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CHEESE

BITS



PACK RATS

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

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

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

VOLUME V

NOVEMBER, 1971

NUMBER 11

THE PREZ SEZ

It was good to be back at "ye olde" meeting hall, the West Oak Lane Jewish Community Center, for our winter meeting and a better place we couldn't find. We had a great turn out of members and guests.

Our thanks to K3IUU, Bert, for his very interesting and well presented program. I know we all enjoyed and learned much from his many slides on the RCA Apollo 15 Color TV Camera. We were also very fortunate to see the latest films on the Apollo 15 Moon Landing fresh out of NASA. It was just great! I think we had another fine meeting, and I would like to say that we will always have time to hear from our members on their other amateur activities such as W3HIT, Paul, and his information on the ARPSC and W3PST on CD; the Club welcomes it.

Reviewing the Club expenditures for the past several years reveals that it takes a lot of money to run a Club of our size. Expenses such as rent, printing of many different types, contest expenses, etc. keep your treasury hopping and it takes a lot of money. Some years ago under the close eyes of the President, K3HSS, Charley, your officers and directors saw these expenses rising and started to keep a close watch on them. Through their efforts I am happy to report to you that we have stayed financially solvent. As you all know, we also have many members whose acts of generosity go unpublicized and the club thanks them. We are in good shape!

By the time you read this Prez Sez, the January Contest will be only eight weeks off. It sounds like a long time, but not long enough for your Prez.

CONTINUED ON PAGE 3

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

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#5 Sunnybrook Court
Stratford, New Jersey 08084

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

NOTICE!

Page numbering is now under
exclusive control of Fat Rat.
Any complaints should be
directed to him - at your own
risk!

MONDAY NIGHT NETS:

145.2 - 7:30 P.M.
50.2 - 8:30 P.M.
221.4 - 9:00 P.M.
432.03 - 9:30 P.M.
1296.1 - 10:00 P.M.

OFFICERS: 1971-1972

PRESIDENT: W3CJU, Don Hampton
VICE-PRES.: K3BPP, Walt Bohlman
TREASURER: K3GAS, Doc Cutler
CORRES. SEC.: W3SAO, Francis Brick
REC. SEC.: WA3BIV, Carl Barish

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. 2 Meter Pre-Amp - HP 2 A-Hale Elec. 803 17th St., Bay City, Mich. 48706
Hale Electronics has a new 2 m pre-amp, built on a P.C. board, 1" x 3" x 5/8", which should fit inside most ham VHF receivers. Unit will operate from 6-15VDC at about 4 Ma. Satisfaction guaranteed by Hale or your money back. Price Kit - \$9.95 Ready to go - \$13.95
2. Digital Multimeter - #390
Anaconic Inc., has just introduced a unit they call the Super Meter. It will measure AC and DC volts, up to 1000, current to 100 Ma. Ohms to 100 Megohm. Capacity to 100 MFD, and frequency to 2MC. The #360 features accuracies to .01% on a 4 1/2 digit display. U.S. Anaconic Inc., R. 2 Box 379, McHenry, Ill. 60050 Price \$290.00
3. FM Transceiver
Regency has just come out with their HR 2S transcan, 2 M FM unit. The receiver section scans for a signal over up to 8 preset xtal controlled cahnnels. As with all receivers of this type, the unit halts on a channel being received until the transmission is ended. If the operator wants to talk to the station being heard on that channel, he pushes the button under the receiver scan indicator, which locks the receiver to that channel, and places the transmitter on the frequency associated with that receive frequency. The HR2S is a base rig for 117VAC, but a second unit is available for 12 VDC only called the HR 2MS. Both units come with 146.94 R/T set-ups. Price, HR2S = \$349.00. HR2MS \$3 9
Regency Elec. 7900 Pendleton Pike, Indianapolis, Inc. 46226.

* * * * *

THE PREZ SEZ
CONTINUED FROM PAGE

There is always plenty to do around here, so lets all get busy on that "put off" project for the contest. The January Contest can be fun, especially if you're prepared before and not working at the last minute.

Don, W3CJU

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* * * * *

O.W.H.N.

Well, here it is November again, the leaves are turning, the air is chilly and six meters is jammed packed. They had a real jam up on 50.2 Monday night. Harry, Sid and the Prez. But what else should you expect. The Pack Rats are only on during Contest! It used to be Monday nights and contest, now its just contest. Re, the club project. Is anyone interested? Does anyone have any ideas? Maybe a channel 7 pre-amp so you can pick up the Monday night football game when it's blacked out in Philly? The only decent meeting is the Crying Towel Session - we laugh at what idiots we are - going to all that trouble for a rotten hammer of wood. Then there are those OLD reprobates who complain like h--- (this is a family newspaper) about the contest then go and work 22 or 30 sections. Speaking of this newspaper (newspaper?), I didn't know anything could be so nutted and bolted up. Page 7 after page 10, page 6 upside down, page 9 half blank and a big black fingerprint on that horrible looking front page. Talking about money (which I wasn't but I am now) with all that money in the treasury why not lower the dues. Can't let the Board of Directors have too much to play with you know - they'll figure out someway to spend it - something like a 3 foot high trophy for every member in the contest who scored more than 10 points. Back to contests (my favorite subject, next to witching in general) why, after winning ten years in a row in January, can't we place any better than 5th, yes 5th in June. What are they running up there at Hilltown - gooney boxes and halos? Maybe it's a bunch of guys who don't know how to tune - ever try to give them a point? Always calling CQ East Anglicia or something like that. Seems like the guy running it is always one of the clique - maybe that's why?

Old What's His Name
 (If you think I'm going to sign this tripe your nuts!)

Dear O.W.H.N:

Would you care to show us how it's done in June?????

Editor



215 995-2140

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2 METER REPORT

By Joe, W2EIF

This months report should be more correctly titled VHF/UHF report, since it concerns activity on 144-220 & 432 MHZ. September saw an increase in 2 meter SSB activity both at 144.1 and 145.025. The contest was miserable due to heavy rains all over the East Coast, with nothing heard to the West except YE2DSS of Toronto. On September 28th a bootlegger pretending to be WA5OSN was noted on the band. The biggest band opening of the year occurred on September 30th. The bands 144, 220 and 432 were wide open to Michigan, Ohio and VE 3 land, from 8:00 p.m. until 8:00 a.m. the following morning, producing new states worked for many on the three bands. W2EIF resumed the 144.11 MHZ schedule (9:00 p.m.) with W8DGF. There was an arora opening on September 24th with W2EIF contacting K9ZNK, Indiana on CW and W9YYF of Chicago with good SSB signals, both on 144.11 MHZ. Finally, on net night, October 18 the VHF/UHF bands were open Va. to Maine with signals from W1YTW (Maine) and W4FJ, Richmond, Va. being worked locally.

SJRA HAMFEST

Although the weather was wet, a lot of people were in attendance. WB2MTU, Tony, had a very interesting space display and also gave out some space trinkets. Of course the swap shop was very busy with lots of gear changing hands.

Pack Rats in attendance were: K3GAS, K3HSS, K3IGX, WA3FOF, K3ZSG, WA3BIV, W2EIF, K3IUUV, WA3DJF, K3BOY, WA3HIT, WA3DNC, W3GEW, W3HK; Also, these Rats were there and won door prizes: K3BOY, W3ZD, K3MXM, K1SFF/3, W3ELX, W3FGQ, K3EPB.

CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXM

- November 9. Board of Directors Meeting-QTH-Ernie Kenas, W3KKN, 2823 Old Welsh Road, Willow Grove, Pa. 8:00 P.M. Directors and interested parties cordially invited.
- November 16 Monthly Meeting, West Oak Lane Jewish Community Center, Sedgwick and Thouron Sts., Phila., Pa. 8:00 P.M. PROGRAM - ANTENNAS
A Panel of well experienced club members will present the various aspects and insights of antennas. What is best for each band. How to measure what you have, how to find out what is wrong and most important how to correct your problems, in time for the January Contest. A very good meeting and well worth attending.
- November 13 QCWA Dinner, Buck Hotel, Feasterville, Pa. Speaker R. Adm. Ray Snyder, Naval Electronic Systems Command will speak on New Frontiers. Further details and reservations available from W3CL, Harry Stein.

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

Title: Computer Circuits & How They Work
Author: Byron Wels
Publisher: TAB Books # 538
Price: \$7.95 hardbound; \$4.95 paperbound
192 pps., 5½" x 8½". 4 BIG Sections. 121 illustrations.

In this age of computerization, it behooves everyone associated with any form of electronics to understand computers and what they can do, not to mention the increasing number of employment opportunities awaiting those who know their computer "onions". Here's the book which explains the inner workings of modern computers - computer circuits and how they work.

The content begins with a discussion of how computers work, including the "language" of computers, then proceeds to explain the principles of the central processor, the memory, control section, registers, instruction decoders, timing circuits, serial and parallel operation, phase counters, adders, counter circuits, input-output sections, etc.

The second section deals with comparators, error detection, and parity checking. Section 3 provides a comprehensive treatment of memories - the types used and how they function. The author describes the various operating modes and various performance criteria, as well as data storage and retrieval.

Section 4 is devoted entirely to circuits and applications, actual circuits designed to perform a wide variety of functions. There are memory circuits, dividers and detectors, averagers, storage and transfer devices, error checking devices- circuits, servo stepping circuits, pulse gates, shift registers, gray-code counters, BCD-to-binary and binary-to-flip-flop circuits, multiplex circuits, log converters, add-subtract units, a high-speed binary counter, a programmable divider, TTL adders, etc. Approximately half the book is devoted to applications and circuits, an important feature for those looking for a collection of practical circuits, and an aid to beginners who want to learn computer circuits.

As a help to understanding, the author breaks the field of computer technology down into specific smaller areas. Then in step-by-step fashion, he explains how the various parts of a computer work and the terminology associated with each part and function.

CONTENTS: Computers & How They Work - Comparators - Memories -Applications.
Glossary. Appendix. Index.

*Amateur Radio Editors Association

DE SUBURBAN AMATEUR RADIO CLUB

September 5, 1971

Dear El:

Our group has been getting a lot of "correction" lately from older VHFers over the fact that we occasionally permit operation of our club station, K3YFD under the portable call signature of individual members. Most older VHFers consider this illegal--and it used to be.

ARRL has the relevant FCC interpretation on this point written up on page 64 of the License Manual, (revised, May 1, 1970). They state as follows under the heading "Visiting Other Stations":

"You may visit the station of another amateur and operate it--under his call if he is present; under your own call as a "portable" if he isn't. This procedure is relatively new and somewhat controversial among older amateurs--it stems from an FCC interpretation of the word "Control" as requiring the licensee's physical presence. If you're operating under the friend's call, you use his log; the privileges available to you depend on both your and his class of license. If you're an Extra and he's a General, when you operate under his call you must stick to General Class privileges. If you operate under your own call from a friends station, you must sign as a "portable" and enter the contacts you make in your own log...."

Also, there is no longer a need to show geographical location on mobile or portable call signatures, (License Manual, P. 66).

If you would get this information published in the paper it would save me a lot of arguments.

'73
Don Spiller
W3LUW

* * * * *

September 12, 1971

El,

Enclosed are copies of the FCC rules and regulations that pertain to the comments in the Suburban Amateur Radio Club letter.

It is my opinion that an amateur station can be operated by any licensed amateur. It, however, must be operated under the terms of the station license under which it is licensed.



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If my call is used, then my log is used. If you use your call portable, then you must log your operation in your log.

With regard to mobile or portable operation Para 97.87b is quite explicit.

Regards,
Jack Power, W2AXU

SUBPART D-OPERATING REQUIREMENTS AND PROCEDURES

§97.79 Who may operate an amateur station.

An amateur radio station may be operated only by a person holding a valid amateur operator license. Such station may be operated by the licensee only in the manner and to the extent provided in his amateur operator license.

§97.81 Authorized apparatus.

An amateur station license authorizes the use under control of the licensee of all transmitting apparatus at the fixed location ..., and in addition authorizes the use, under control of the licensee, of portable and mobile transmitting apparatus operated at other locations.

§97.87 Station identification.

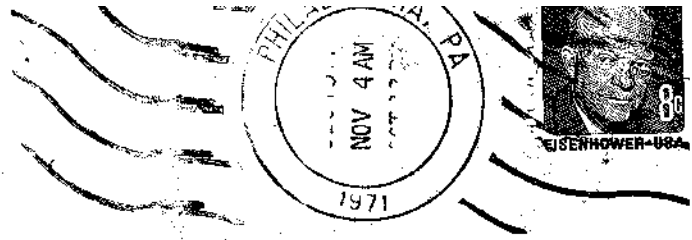
(b) When an amateur station is operated as a portable or mobile station, the operator shall give the following additional identification at the end of each single transmission or exchange of transmissions.

(2) ...identifying by telephony, ... transmit the word "portable" or "mobile", as appropriate, followed by the number of the call sign area in which the station is being operated.

§97.95 Operation away from the authorized permanent station location.

(1) When there is no change in the authorized permanent station location, an amateur station may be operated under the permanent station license anywhere in the United States, its territories or possessions as a portable, mobile, or temporary fixed station.

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