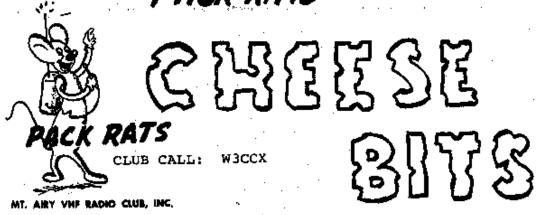
PACK RATS





MT. AIRY V.H.F. RADIO CLUE, INC., PHILADELPHIA, PENNSYLVANIA (ARNS) (50.2, 145.2, 221.4, 432.63 & 1296.3 Mhz) Repeater 222.98/224.58

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEETINGS: THIRD THURSDAY OF SACH MONTH AT 8:00 P.M.

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SOUTHAMPTON, PENNSYLVANIA

VOLUME XVII

JANUARY, 1975

NUMBER

THE PREZ SEZ

HAPPY NEW YEAR! May the new year bring you lots of RF and little TVI. By this time the January Contest is history and I want to thank Rich, K3ACR, for doing a fine job of running the event for the club again this year. By the way, this months cryptogram describes the contest operation as viewed by many of our members. This brings us to the subject of this months meeting. The annual Crying Towal session is always a fun meeting with many a tale of woe being told. Lets all come to this one and find out that you were not the only one who had problems. There will be a prize to the member who has the best story.

February's meeting is Home Brew Night, so finish all those projects that never seem to get done and bring them along to the meeting. Also, Tony is thinking of adding something new to Home Brew Night that should be most interesting. More on this later.

The membership unanimously passed an amendment to our Constitution allowing for the appointment of an official club Historian. As some of you know, Frankis, WSSAO, has been doing this job for a number of years without a great deal of recognition. The club history is important and should be preserved for posterity. So, at this time, I would like to announce that I have appointed Frankis, WSSAO the clubs first Official Historian. Congratulations Frankis and thank you. This month's cryptogram:

SDNGBNDQP PQMK83 639 9Q0317 Ø4 (5P89Ø).

73 Ron WABAXV

Solution to last months cipher: The price of honesty hasn't increased. It was always high.

PACK RATS' CHEESE BITS IS A PUBLICATION OF THE MT. AIRY V.K.F. RADIO CLUB, INC. PHILADELPHIA, PA. AND IS PUBLISHED MONTHLY.

10é PER COPY \$1.00 PER YEAR

WE CPERATE ON AN EXCHANGE BASIS WITH OTHER PUBLICATIONS AND ANYTHING THAT IS PRINTED IN CHEESE BITS MAY BE REPRINTED, UNLESS SC STATED, AS LONG AS THE PROPER CREDIT IS GIVEN.

SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

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7815 NEW SECOND STREET
ELKINS PARK, PA. 19117
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CLUB HISTORIAN:
WA3SAO, FRANCIS BRICK

TYPIST:

WASTEM, MARSHA STEIN

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W3FQD, DICK HUNTZINGER K3ACR, RICH PATTISON WA3JUF, DAVE MASCARO K3KMN, GEORGE GAKOUMIS W3YXF, JOE RUSHTON

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

MONDAY NIGHT NETS: NET CONTROL

145.2 - 7:30 P.M. W2EIF

50.2 - 8:30 P.M. W3CL/K3ACR

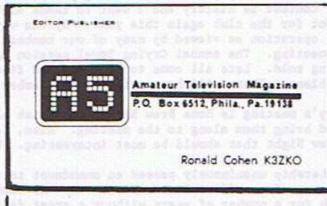
221.4 - 9:00 P.M. K3GAS

432.03 - 9130 P.M. K3IUV

1296.3 - 10:00 P.M. W3HMU

FRIDAY NIGHT ATV NET: BET CONTROL 439.250 - 7:00 P.M. K3ZKO/WA3AXV

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CALENDAR OF COMING EVENTS Syllabus by Lee, K3MXM

JANUARY 1	HAPPY NEW YEAR. Dues are due and payable - see Doc, K3GAS
4 - 5	THE CONTEST VHF Sweepstakes. 2:00 P.M. Saturday till midnight Sunday. A total of 34 possible operating hours. Will look for all of you on the air.
6	Monday Nite on the Nets - Fypnomania Day
8	Board of Directors Meeting, OTH WA3DJF, Carl Mattiace. 7317 Ryers Avenue, Phila., Pa. If lost, call RA 5-1928 Directors and interested parties invited.
15	WIAW Qualifying Run on CW.
16	General Club Meeting - Southampton Free Library - Street Road Southampton, Pa. 8:00 p.m. Crying Towel Session: This is usually one of the funniest meetings of the year. Bring your stories and tales of woe. Naturally, there will be a prize for the worst case of the MURPHIES (pardons to K3ZSG) Other Surprises. Club members, visitors and friends cordially invited. Doc's Silent Auction, The MARIO RAFFLE, Refreshments.
18	Saturday Morning. 10:00 a.m. Wrap up session at Dave's W3ZD. Counting the points and checking the logs. Bring your calculator and abacuss
25-26	Simulated Emergency Test. More information on the various RACES and CD Nets. Check in with your local EC
FEBRUARY	
12	Board of Directors Meeting QTH - K3GAS, Doc Cutler.
20	General Club Meeting - Home Brew Nite: Bring your pet project in for examination and prizes. Also something new has been added. A lot of you have secondary hobbies besides electronics and many of them are very interesting. So, along the lines of slow and tell, bring something representative in and let us see and know. Many of you build your own fishing equipment, rods and lures, many of you are woodworkers, some of you are naturalists and grow exotic plants and a couple of you build pyramids. So here is your chance to pop a few buttons and amaze the rest of us.

JUNE

14-15

VHF QSO Party, Hilltown, here we come...WOW!!!

* * *

	CONGRATULATIONS TO THE NEW	OFFICERS AND DIR	RECTORS OF PARA FOR 1975:
President: V	W3GJC, Bill Cusick	Director, N.E.	K3ZFD, John Brochon
Vice-Pres: H	K3GKB, Jesse Wagner	Director, S.E.	WB2KJK, Bill Powell
Treas. : 6	K3VFI, Tom McGlynn	Director, N.W.	WA3GAA, John Chapman
Corres. Secy:	: WA3TSW, John Robison	Director, S.W.	K3QNT, Lloyd Roach
Record. Secy:	: W9ELB/2, Warren Norman		

NEW PRODUCTS OF INTEREST TO HAMS By Lyn: W3NSI

- 1. UHF Modules Spectrum International: Two units, one covering 432 Mc (MMV432H), and one covering 1296 Mc (MMV1296H) are being sold by this company. The 432H is designed to be driven by a 2 M transmitter with a power of up to 70 watts output. At this level the tripler puts out about 35 watts on 432. This power can then be fed to the 1296H tripler unit to provide 15-20 watts on that band. Both modules are pretuned ready to just connect the BNC fittings to antenna and driver unit. Price 432 \$165 1296 \$155.

 P.O. Box 1084, Concord, Mass. 01742
- 2 Digital Clock: Corvus Corp. has just introduced a 24 hr. clock built into a 2 1/2" cube which also includes a 10 minute ID alarm. A four digit readout uses a LED type display, while seconds are indicated by a pulsing lamp. Price - \$40.00. 13030 Branch View Lane, Dallas, Texas 75234.
- 3. BNC Jacks: These units may be of use to those experimenters who run coax leads through panels or chassis and wish to isolate the shields from ground. In the past, it was possible to do this only by using insulated washers on the metal work. Amphenol RF Div. now has a line of BNC sockets to solve this problem. The part number is 31-010 and the unit meets ALL Mil. Specs. Price about \$1.00 each.

 33 E. Franklin St., Danbury, Conn. 06810

TID BITS

Ray Whitehead, W3ZRR is back in the hospital. Drop him a card at the Oncologic Hospital, Central Avenue and Shelmire Street, Phila., Pa. 1911, Room 109A.

W3CXU writes "Two days after completing a 2 month antenna project came the Big Wind! Result: Beams 45° polarized, still operative? Wanted - Mechanical Stress Analyst."

Joe Reisert, WIJAA (Ex W6FZJ) has issued EME Note #4. This note and previously issued ones are available for an SASE. QTH is 17 Mansfield Dr., Chelmsford, Mass. 01824.

Do you want "PRYAMID POWER" -- Contact, Rich, K3ACR.

If you want a nice certificate from the oldest licensed high school club in the U.S. - work W3YC on the 220 MHZ Pack-Rat Repeater during school hours.

WA3AXV our Prez is setting up a club committee to study and comment on FCC docket 20282 concerning restructuring of the amateur service.

A memorial service for Don and Virginia Cooper (K3WGK) was held at the Abington Friends Meeting House, Jenkintown, Pa. on December 28, 1974. The couple were lost on Don's aircraft flight to Florida to visit their folks (K4UV). They leave many sad family members and friends.

220 MHZ FM - DE K3DLS

The following calls have been heard or worked on the 220 MHZ Pack-Rat Repeater:

K3ACR	K3DMA	W2HX	WA3SPR
W3AJF	WZEIF	K3IGX	W2SVV
WASAXV	W3FQD	WAZIII	W3TNP
W2AXU	W3FUN	K3IPM	W3YXF
WA3CAG	W3FXA	W3KKN	WAZWYE
W3CIL	K3GAS	W3MFY	W3YC
W3CL	W3HAF	WAZMWB	W3ZD
W3CLT	W3HFY	W3MWV	K3ZSG
W3CXU	WB2HHJ	W3NSI	
K3DLS	W3HMU	K2SMZ	

· · · · ...

The VHF bands have continued to show little activity although there have been a few new signals showing up on 2 meters - probably getting ready for the VAF contest. I don't know how many of our members know that the Pack Rats sent out a packet of contest information every year just prior to the Jan. VIIF Contest. The package includes a list of Pack Rats, a DX list and an ARRI Contest report sheet. The letter is something new in that it was suddenly realized that many of the people that were contacted probably did not have contest forms and may not have participated in the past due to the lack of a report form. Correspondence indicates that the package of information is appreciated. The meteor shower of Dec. 10-14 did not produce any results in the local area known to this writer and have heard no reports of contacts to date. As a matter of fact, I have heard several operators say that the shower was not up to the level exhibited by the last two showers of the same period. There are a few openings to be heard on six meters at this time of year but this is normal and I attribute this to the fact that the Es season is just now peaking in S. America and my theory is that the Northern Hemisphere gets some Es activity as a result - sort of a spill over so to speak. The contest should produce the usual activity on 6 and 2 plus the usual amount of raucous signals. Have a nice contest with a big score. Good Luck!

THE AMERICAN RADIO RELAY LEAGUE, INC. 225 Main Street, Newington, Conn. 06111

OFFICIAL BULLETIN NR 513 FROM ARRL HEADQUARTERS NEWINGTON CT DECEMBER 10 1974 TO ALL RADIO AMATEURS BT The FCC has released its long-awaited Notice of Proposed Rule Making on the restructuring of the amateur service, Docket 20282. The docket provides for a six-month comment period on sweeping proposals for changes in the available classes of license and operator privileges. The amateur frequency spectrum would be divided at 29 MHz into two parts -Part A, or shortwave, and part B, whi and above. Present licenses would retain most privileges in both parts. Permitted power levels would be redefined based on license class, and in terms of peak envelope power output for the higher classes. The written portion of the Extra Class exam and the exclusive Extra phone allocations would be eliminated, but the expert's code test and exclusive cw segments would be retained. Advanced licensees would be allowed to use any emissions authorized below 29 MHz. General licensees would be limited to Al, A3, and F3 emissions. Novices could use only A1 emission. At whf and above, a new Experimenter license with a theory exam comparable to the Advanced would permit any emission authorized above 29 MHz. Technicians would be authorized Al, A3, and F3 emissions above 50 MHz. A new Communicator license would permit F3 emission above 144 MHz. The Communicator exam would be comparable to the Novike, but without a code requirement. All classes of license would be issued for five years, but licenses obtained by meil examination would not be renewable except in the case of physical disability. The procedures for examination by mail would be modified to require two licensed amateurs to administer the exam, at least one with a higher-class license than the one being administered. The comment period for these FCC proposals extends until June 16, 1975, with reply comments by July 16. January QST will contain further details. The full text of the FCC Notice is being sent to ARRL elected officials and affiliated clubs. The text will also be sent on request accompanied by self-addressed stamped envelope, free of charge to members and at approximate cost, fifty cents, to others. The ARRL Board of Directors will have this proposal on its agenda when it meets on January 16, 1975. AR

13.5 VOLT REGULATED FOWER SUPPLY By Jack Power, W2AXU

A regulated power supply is a must these days due to the proliferation of the many solid state FM transceivers for 144 and 220 MHz. For purely mobile operation, no problem exists as the car battery and alternator supplies the power, filtering and regulation. Using the equipment in the house presents the problem, therefore a regulated supply is required since the current load varies from about 200 milliamperes in the receive condition to 2 amperes or so in the transmit condition. (CONTINUED ON PAGE 6)

13.5 Volt Regulated Power Supply Continued

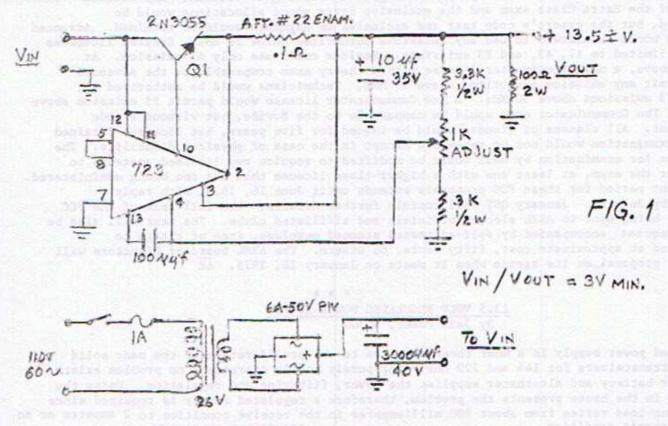
The voltage would vary too widely and could make a rather expensive investment useless. The following is a discription and circuit for a regulated power supply delivering 13.5 volts at 2 to 3 amperes with adjustable output voltage.

The circuit is as shown in Fig. 1 The parts are readily available at any Radio Shack store or other local radio store handling solid state components.

The supply can be housed in a metal cabinet such as Radio Shack No. 270-253, Calectro No. H4-747 or fabricated from stock aluminum, 1/16n material. The pask transistor, Ql, a 2N3055 or equal is mounted on a heat sink, Radio Shack No. 276-1360, Calectro No. K4-680 or the heat sink can be fabricated from 1/16 in. aluminum to suit as shown in the ARRL Handbook. If you fabricate a heat sink, be sure it is large enough to dissipate the heat.

The regulating electronics is made up of a 723 integrated circuit regulator, Radio Shack 276-1740 or 009 (depending on your preference in mounting) and the associated resistors and capacitors. The 0.1 ohms resistor can be made by winding up 8 feet of No. 22 enamel wire. These components can be assembled on perfooard approximately 2 1/2 in. by 3 in. I preferred to use a 14 pin 723 and mount it in a socket. The pot can be the printed circuit board type. The resistor values in their string of resistors are not critical.

The unregulated power supply portion is not critical. A 25.2V at 2 ampere transformer can be used, Radio Shack No. 273-1512 or a Calectro equal. The full wave bridge can be made up of 3 ampere 50 PIV diodes or you can use Radio Shack No. 276-1146,6 ampere bridge. The unregulated input voltage to the regulator can be anything reasonable above 18 volts but not greater than 40 volts. The Vin/Vout should be a minimum of 3 volts. The filter capacitor in the output of the unregulated power supply should be at least 3000 microfarads at 40 volts if the 25 volt transformer is used. For other voltages, use 1.4 times the transformer RMS voltage as the minimum working voltage.





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

GEORGE SAVAN DYKE, JR., P.E. O destroy to a period % 727 J

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FOR SALE: B&W 5100B HF AM&S5B Transmitter HQ 310 Receiver: D-104 mike, new w/PTT stand. Home Brew 6M/2M SSB Exciter. All fine condition, Best offer. CONTACT: Roy Conners, RA 5-1787 Leave message, will return dall. WANTED: Non-Inductive resistor or resistors to make approx, 700 Ohms at about 35 to preferrably 50 watts for terminating a rhombic. Also a good used John on KW matchbox or squal.

State pricesand keep ht low - ht. The transfer CONTACT: W2HF, Herbert L. Brown

Ninham Rd, Farmers Mills, Rd. 3

Carmel, N.Y. 10512

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FOR SALE: 1. Miniproducts vertical antenna 20-15-10-6M - \$25; 2. 5 el. cumherafs 6M beam \$5.00; 3. 4 el Telrex 6M beam \$5.00; 4. Motorola T44AAV 450 MHZ, Transceiver - \$30.00; 5. Cush-Craft Zipper Portable Beam: 3 el-6M 6 el. 2M \$10.00, CONTACT: Dennie Silege, WB2LGJ

33 Vardman Ave. Trenton, N.J. 08638 609-883-7122

FOR SALE: 3 al. besm for 10,15 & 20 meters. Hy-gain model T43-MK2 with ins. manual. Complete w/all clamps, but one reflector trap missing. Includes hy-gain ferwise balum. \$10.00.

CONTACT: J.W. Allen, W3CXU 1119 Highland Ave. Abiagton, Pa. 19001

215-886-4109 WANTED: 220 Mr. xmtr to run from 8Mc VFO, 100 watts or so. CONTACT: J.W. Allen, W3CXU, 885-4109 FOR SALE: 6 mtr. 95B Transmitter, homebrew, w/VXO & McCoy Golden Filter, \$30 75A2 Collin Ageceiver w/central elect. model B althou, crystal calibrator, FM adapter, manual, \$200; Whippany Labs Lil Lulu 6 mtr. trensmitter, VFO controlled w/AC & DC pwr. supplies built-in \$50; Clegg 22er FM, w/manual & 5 crys. \$200; CMU-15 Twansmitter on 439.25 for ATV . (No video medulator) \$25; T-44 receiver strip fot ATV checked & working, not , modified, \$15; RGA TV Camera working but meeds lens mount. Compl w/lens & Vidicon & manual.\$30; 6 mtr Halo \$10; 2 mtr. squale \$6. CONTACT: WAZMWB, Carl Bacish 211 Millbridge Apts. Clementon, N.S. 08021 609-561-5331 day: 609-627-4855 night & Wken



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Class II lst W3CL :18,392 - Mt. Airy VHF 15,392 - Mobile Sixers 2nd WA3JMM 3rd K3GAS 8,064 - Mt. Airy VHF

12,920 - Mt. Airy.VNP Class III lst K3VYG 9,100 -2nd WA3SFY 8,192 - Pennaffe 3.3 3rd WA3RCA

Class IV lst WA3SXY 3.040

CLUB lst Mt. Airy VHF (K3IPM) 100,204 2nd Mobile Sixers (WA3JMM 47,216

W3CL Harry B. Stein 12-02-74

Dear OM:

Would you please put something in "Cheese Bits" about my stolen rig. I had a SB 144 fully Crystaled scolen from my vehicle on the 27th of November which was parked in a bowling alley parking lot in Wilmington, Del. The serial number is 460118. I also lost a company CB set at the same time, both were bolted in my vehicle and were removed with a bar doing considerable damage to the dashboard, seat, instruments and window. I do have insurance and it has been paid but I would like to locate the THIEF if possible, more so than getting the unit back. There is a group in the area that is doing nothing but stealing radio equipment, the proof owhich is I had a simpson 260, camera, megger, AC meter and tools, nothing was taken but radios also three other vehicles in the same parking lot were nit. (CB sets). The more people that are aware of this the better change we have of stopping it, but we are all going to have to cooperate and pass on any information we may obtain. If someone does buy this unit cheap, I would like to know from whom they bought it, all help will be confidential and possibly we can stop this. I also think the people that took my quipment thought they had two CB sets so the 2 meter rig could show up any place.

* * *

73, Ralph L. Hairsine, K3MPZ 1408 Wedgewood Road Wilmington, Delaware 19805

Charles with ground NOTE: A new organization called NCIC (National Communications Inventory Control) has been formed to corrolate scolen equipment information. Write to NCIC, 3637 West Grandview Tacoma, Washington 98466.

AMSAT

RADIO AMATEUR SATELLITE CORPORATION

* * *

EXCERPT FROM THE AMSAT 1974 ANNUAL REPORT March 1974 saw the fifth anniversary of the founding of AMSAT as a num profit, tax-exempt, scientific corporation. During this past year, membership increased from 1014 to the present 1628 individuals and member societies in 59 countries, a growth of 61 percent. With the establishment of the new class of Life Membership, AMSAT now has over 109 Life Members. Highlights of Activity in 1974: The primary activities in 1974 centered around AMSAT-OSCAR 6 operations, and the completion and testing of AMSAT-OSCAR 7 in preparation for launch. AMSAT-OSCAR 6 has continued to operate successfully and is now beyond its second birthday. To improve operation over Europe and Africa, a telecommand station was initiated in Morocco (CN 8BO). Other telecommand stations, notably VE3QB, VE2BYG, W6OAL and VK3ZDH succeeded in automating their telecommand terminals. User activity with AMSAT-OSCAR 6 in two years of operation can be summarized as follows: Total number of stations of record completing one or more two-way contacts: 2,854. Total number of countries of record in operation: 87. Total number of U.S. States in operation: 50. CONTINUED ON PAGE 10

THIS IS YOUR LIFE (THE PACK RATS) Part #6 "2 and 6 Meter nets are born."

The September, 1957 meeting was held at the Chelten Hills Recreation Center. Due to the change in meeting nite and the Secretary being on vacation, the announcements were not sent out. Members who attended the meeting at W3KKN's were informed of the change in the meeting nite. Since only about 5 members were present, the meeting was adjourned. A rag chew ensued at the Stenton Diner. At the September meeting applications for auto license plate call letters were discussed. W3SAO was instructed to send for applications. The Secretary reported a meeting with WFIL regarding the Boy Scouts. A letter of confirmation from Mr. Kohler was read. Text books and license manuals were purchased and a code oscillator will be purchased in kit form. All the above items to be bought by WFIL. At present 6 members of the club are on 6 meters. A 6 meter project will help to get more members on 6 for the January Contest. At the October meeting the Secretary was instructed to notify members who were delinquent in dues. President, W30ZP requested W3SAO and W3FSC to try and secure a new meeting place and also arrange to have the meeting nite on the 3rd Wed. of each month. It was decided to offer 6 meter converter silver plated brass panels to the members for the sum of \$1.00 to defray the cost of labor and material. W3SAO announced the Pack Rat 2 meter net will be on 144.2 MC each Mon. nite at 8:00 p.m. W3AYG announced that on each Thurs. evening he is conducting code practice on 147.3 MC starting at 8:40 p.m. Various speeds will be sent. At the November meeting the Secretary gave a report on delinquent members. These members were notified in writing of their delinquency. No reply was received from one of the members. A motion was made by W3CPT and seconded by W3CL to take proper action as stated in the Constitution and By-laws. A vote was taken of the membership and the member was removed from the roll. President W30ZP quoted the rules concerning membership and application process according to the Constitution and By-laws. He stressed the fact that if an applicant is blackballed, it is also a reflection upon the sponsers. Personal differences are not considered as reason for a blackball, proof of immoral character is considered a reason. The application of W3WNF, W3ASD and W3HYJ were read. W3HYJ withdrew his application and W3DHH announced his resignation and left the meeting. A motion was made by W3HYO to have secret ballots on all future elections. The motion was seconded by W3CPT. It was defeated by a 9 to 7 count. W3WNF and W3ASD were voted in as members. A report was given on Incorporation and will be taken up at a future Board of Directors meeting. W30ZP gave a discussion on how the Constitution may be changed at any time. It was decided to have a 6 meter net on 50.2 MC on Mon. nite starting at 9:00 p.m. with W3KKN as net control. During a technical discussion period which followed, K3KKN, W3IBH, W3CCX and W3SAO suggested changes and improvements in existing gear. A report was given on the SWR of the Telrex 8 element 2 meter beam. Treasurer's report: Amount on hand \$166.49. Visitors present: W3SOB, KN3BVZ, KN3BHP.

(To be continued) Frankie Brick, Club Historian

AMSAT CONTINUED

Total number of OSCAR worked All States trophies awarded: 18. Country with highest number of OSCAR users: United States (1,078) Number of ARRL 1000 Awards issued: 258. INITIAL PERFORMANCE AND ORBITAL DATA ON AMSAT-OSCAR 7: Given below are initial orbital predictions for AMSAT-OSCAR 7, launched November 15, 1974. Several publications and bulletin stations are serving as sources of AMSAT news and orbital information. (There is no exclusive official source of AMSAT information as implied recently in Ham Radio and HR Reports.) Operating Schedule: Mode A days (two-to-ten meter repeater and 435.10 MHz beacon CN) on odd numbered days of the year, GMT. (For example, Dec. 7 is day 341 and therefore an odd day.) Mode B days (70cm-to-2m repeater ON) on even numbered days of the year, GMT. (For example, Feb. 3 is day 34 and therefore an even day.) Experiment days All Wednesdays, GMT are reserved for experiments, and operation is not permitted even though the repeaters will be on. AMSAT-OSCAR 6 Operating Schedule: Mondays, Thursdays and Saturdays GMT ON for ascending node (south-to-north, evening) passes. Sundays ON for descending node (north-to-south, morning) passes. During weekday mornings, the repeater will -10- CONTINUED ON PAGE 11

JANUARY VHF SS UNOFFICIAL PRELIMINARY SCORES OF THE PACK RATS

CALL		CALL	
K3ACR	303-10-12120	WAZIMT	Not Heard
W3AJF	205-11- 8610	WBZIOE	Not Heard
WASAQA	205- 3- 5330	КЗІРМ	535-28-40660
K3AUI!	Not Heard	W3ISV	Not Heard
UXAXU	No Report	KSIUV	319-16-16588
WASAXV	412-20-24720	W3IXL	Not Heard
КЗВОУ	77- 3- 2002	K3JJZ	305-10-12200
КЗВРР	310-12-13640	WA3JSR	108- 3- 2808
W3BRU	156- 7- 5304	WABJUF	257-15-12850
M3CID	195- 6- 6240	*WAlkIR	146-14- 7008
W3CL	321-11-13482	W3KKN	509-21-31558
WECLT	100- 7- 3400	W3KM	32- 2- 768
W3CXU	159-11- 6678	K3KMN	Multiop W3KKN
WA3DJF	200- 3- 5200	WA2KQI	Not Reard
K3DLS M	58- 3- 1508	K3KTY	188- 9- 7144
K3DMA	247- 6- 7904	K3KUB	Not Reard
WZEIF	369-20-22140	W3KXH	40- 2- 960
W3ELX	233-10- 9320	K3MWV	393-18-22008
_	160- 5- 4800	WAZMWB	20- 2- 480
КЗЕРВ	169- 9- 6422	K3MXM	206- 6- 6592
WASEPS	120- 4- 3360	WASNEV	108- 2- 2592
WASEPS AM	11- 1- 242		315-13-14490
K3ESL	Not Reard	Waingk	
K5EAM	56-12-1364°	K3NMN	133- 4- 3724
W3FGQ	Not Heard	W3NSI	129- 3- 3354
WASFOF	235-10- 9400	K3OBY	7- 1- 154
W3FQD	126- 6- 4032	K30PC	Not Heard
K3GAS	235- 8- 8460	HVOCAW	268- 3- 6968
W3GEW	207- 5- 6210	W3PST W3YXU/3	No Report
W2GGB	52- 2- 1272		
W2GIA	130-11- 5460	YASPUL Wase	246-12-10824
K3GOZ	196- 3- 5096	W3QB	No Report
K3GQJ	No Report	W3RZU	Not Heard
W3HFY	347-16-18044	W36AO	184- 5- 5520
кзнін	120- 4- 3360	W3CCX	
WABHIT/8	No Report	W3SMK	Not Heard
W3HK	219- 8- 7884	WA3SPR	180- 4- 5040
W3HKZ	30- 2- 720	WB2SZK	Not Heard
W3HMU	440-20-26400	*WA2UUV/6	No Report
W3HQT	455-23-30030	*K4UV	No Report
K3HSS	Not Heard	K3VEQ	No Report
WASHVD/9	No Report	K3WGJ	Not Heard
MASHAT	111- 3- 2886	W3YXF	145- 9- 5510
MSHX	50- 4- 1400	КЗИКО	9- 2- 216
WASIDQ	148- 4- 4144	W3ZD	410-21-25420
K31GX	221- 4- 6188	WEZRR	Deceased
	4- OTOO	K3ZSG	376-20-22560
*Outside Area	· 	TOTAL 5	65,760
			

This 1975 ARRL VHF Sweepstakes, participated in by the Pack-Rats, is dedicated to the memory of departed member and friend W3ZRR - Raymond H. Whitehead.



BICENTENNIAL AMATEUR RADIO CONVENTION COMMITTEE ARRL ATLANTIC DIVISION CONVENTION BEN FRANKLIN HOTEL — PHILADELPHIA JULY 23, 24, 25, 1976



DERECTOR, ATLANTIC DEVISION Harry A. McConaghy, WISW

CHAIRMAN WATER

VICE CHARMAN

TREASURER De Justine Carley, KNCAS

ASCORDING SECRETARY

CORRESPONDENC SECRETARY Prior Sharrey, MAJOUR

SOUTHWEST DERSCTOR DELAWARE COUNTY) Paul D. Bercale, WIFEF

NORTHERN SUBLINES DERECTOR Exercise J. Slater, WASRYO

CENTRAL PHILADELPHIA DERECTOR

ABOVE ENGINEE, WIZEQ

CENTRAL NEW JERSEY DIRECTOR George G. Ford, Jr., KRQIJ

NORTHWEST DIRECTOR CHESTNUT HILL; Almaham Rains, WIHRW

NORTH NEW JERSEY DERECTOR Charles M. Simpson, WESTER

SOUTH NEW JERSEY DIRECTOR Kris Miles, WIRT

MORTHEAST DIRECTOR (LOWER BLYCKS CO.) William H. Copyriahrs, WJUAX

YL DERECTOR CARRY & MAGTO

OCHA-DELANARE VALLEY CHAPTER John Moy, WIDNU

DE CHAIRMAN See Schoffer, WASATE

NEWSLETTER III

DECEMBER 16, 1974

The fourth dinner meeting of the Bicentennial Amateur Radio Convention Committee, sponsors of the 1976 ARRL Atlantic Division Convention, met at the convention site, the Benjamin Franklin Hotel in Philadelphia, the evening of September 24, 1974.

Thirty-eight delegates and guests were present including the Atlantic Division Director, W3SW and the Vice Director, W3KT. The meeting was chaired by Dave Zimmerman, W3ZD who called upon the various activities chairmen for progress reports.

WA3PZO was approved as the chairman of the public relations committee and will be assisted by W3PST, WA3BKR and W3HK. K3ACR resigned as corresponding secretary because of pressure of other business. His resignation was accepted with thanks, and WA3OVH was approved as the new corresponding secretary.

WB2DBA was introduced as the official photographer, and he took a number of shots for the historical record,

K3ZQN discussed MARS participation and suggested three individual exhibits.

K3GAS, the treasurer, reported a balance of \$1,108.99. He stated that the Haverford Township Emergency Net and the Frankford Radio Club were additional bond purchasers.

It was requested that W3PST ask the Philmont Club to apply for the special convention call sign, WM3PEN to gap the convention period.

The contest for QSL cards has a number of entries and a vote for the best one will be held at the next meeting.

W3ZD is still anxolus to receive preliminary budget requirements from the various committee chairmen.

The formal meeting was concluded with a walk-thru of the hotel facilities.

The next meeting of the Board of Directors and delegates will be held on Tuesday evening, January 28, 1975 at the Casa Conti in Glenside, Pa.

During October and November special meetings of a number of committees were held with either the Chairman and Vice Chairman in attendance or both.

The chairman of the exhibits committee W2KF, Ken Miller requests from the delegates suggestions for names of possible exhibitors.

W3FBF, Paul Mercado, conducted a special meeting of the Banquet Committee at the Valley Forge

There were two special meetings of the QCWA, Delaware Valley Chapter, called by the chairman, John Wolf, W3IMU.

The contest committee reports progress and Pete Shavney the chairman requests that a spot at the banquet be reserved for the awarding of prizes for the "Home-Brewers".

Chairman Dave Zimmerman, W3ZD attended a meeting of the Penn-Jersey YL's where Carolyn, W3GTC the YL Director outlined YL activities plans and requested a hospitality suite be provided for their use. Hospitality suites are available to organizations for a nominal fee. A number of groups have already applied, and if your club is interested get in touch with W3ZD.

The program is gradually being shaped up, so if you have good ideas, please contact Program Chairman, Harry, W3CL.

The officers and directors of BARRC wish all of you a HAPPY HOLIDAY SEASON.

AMBAT CONTINUED FROM PAGE 10

be on over the USA on even numbered days for education bulletine only and nor for genearl use. Operation is not permitted at other times, even though the repeater may be on. QSL cards for AMSAT-OSCAR 7 have recently been donated by K5RZU and the Hesse Envelope Co. and are now available in return for your A-o 7 report.

DONATIONS NEEDED FOR THE AMSAT-OSCAR 8 PROJECT: Amsat is trying to raise \$15,000 needed for the development of advanced hardware for the AMSAT-OSCAR 8 project. Currently under development are 146-to-435 MHz repeaters, new telecommand and telemetry systems, and onboard microprocessor controlled systems for applications in future AMSAT-OSCAR spacecraft. Additionally, AMSAT is in danger of running a deficit of \$6,000-10,000 due to the incressed scope and costs of our activities. If at all possible, won't you help by sending a donation today. U.S. contributions to AMSAT are tax-deductible under Section 170 of the Internal Revenue Code. A donation of \$100 or more will bring you an AMSAT-OSCAR 6 and the new AMSAT-OSCAR 7 pin in recognition of your support of AMSAT's amateur satellite program. Thank you for your help. 73, Perry 1. Klein, K3JTE, President

WASLET (SRI) AMATEUR RADIO SOCIETY MENLO PARK, CALIF. 94025

You are invited to participate in a 432/144 MHz moonbounce test from WAGLET at the SRI 150 ft dish on February 22-23, 1975. This letter is being sent 2 1/2 months in advance so that you may have time to make preparations. We plan to operate two separate stations at the same time, and it will thus be necessary to hold to a common transmit-receive schedule. We will transmit the first 30 seconds of each minute and listen the second 30 seconds. Interference from stations calling out of sequence and on the same frequency we were transmitting was severe on the East coast of the USA and in Europe during the tests on 144 MHz last May. To avoid this problem, we intend to operate split-frequency transmitting near 144.190 and 432.190 MHz and receiving 70 kHz or more down the band. We are presently scheduling two five hour operating periods, from 0500-1000 UT on 22 February, and 0000-0500 UT on 23 February. During the former period (Friday night and Saturday morning local) the moon will be setting over the Americae and rising over Apetralia and Asia. During the latter period (Saturday evening local), the moon will be setting over Europe and Africa. The 144 Mhz test is primarily intended for the benefit of those stations who were unable to contact us last Spring. Suggested frequencies for stations wishing to call us are 144.100 plus or minus up to 20 kHz for SSB and CW respectively, and 432.100 -20 kHz. The operating period 0000-0400 UT is primarily intended for stations in Europe and Africa, and those U.S. stations with fixed antennas pointed in the European "window." We will also attempt to conduct low-power one-way tests near the even hour, in which a preamble will be sent announcing the test, the power will be changed, and a Morse code group will be repeated over and over for 15 seconds, followed by another change, etc. The changes may be either a decrease or increase in power or a change in polarisation. Please send us the next week (e.g. postmarked by 28 February) a copy of what you received, and we will send you a SWL card listing the lowest power lavel at which you were able to copy the code groups correctly. Facilities for the test are being made available courtesy of SRI's Radio Physics Laboratory and Tonospheric Dynamics Laboratory. The equipment will be operated by members of the SRI amateur radio society (WAGLET) and the UNF radio society (W6GD) .

TMO CODE

T signals detected
M lotters or portions of calls copied

O , both calls and report copied

MT nearly acid copy

RRR confirmation of reception

If signals are strong enough use standard

RST report and RRR for confirmation,

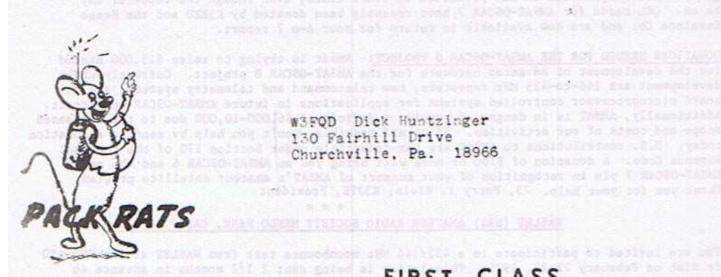
Address and Raply To: Victor R. Frank Stanford Research Institute Building 320A 333 Ravenswood Avenue Menlo Park, California 94025

Cheese Bits 2087 Parkdale Ave. Glenside, Pa. 19038





collegant to multiperilade 535



w3FQD Dick Huntzinger above class com a millionive and the second and the second 18966 Churchville, Pa. Transmit very to solitions out als 1 84380-14183

MT AIRY VHF RADIO CLUB, INC. FIRST CLASS

Birm's you for gone halls. It first It alle a XXXIII. Front desc.

NOTICE TO A SECOND OF SHIP OF STREET STREET MEETING

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