

This rag is the official publication of the University of Pennsylvania Amateur Radio Club, W3ABT, and is mailed to all members in good standing in the Club. Contributions are welcome and invited. Deadline for all articles is the 15th of the month preceeding issuance. All correspondence should be addressed to : R. Russell Miller, Editor, 3607 School Lane, Drexel Hill, Pa. 19026. Phone: (215) MA-2-0384. Club Office: Moore School of Electrical Engineering, Rm. 214. Phone: (215) 594-8538.

1967 OFFICERS

FACULTY ADVISOR: Richard J. Doviak, Moore School of E.E., Phila, 19104
PRESIDENT: John Moore, WA3BRZ, 2680 Bancroft Drive, Chester, Pa. 19014
VICE PRESIDENT: R. Russell Miller, WA3FRP, 3607 School Lane, Drexel Hill, Pa. 19026
SECRETARY: James Talens, K3MNJ, 8361 Langdon, Philadelphia, Pa.
PUBLIC RELATIONS OFFICER: Bruce L. Evans, K3TRZ, 813 E. Gravers Lane, Philadelphia, Pa. 19118

HOW TO JOIN

1. Attend one meeting or event.
2. Obtain application form from Bruce Evans or Russ Miller.
3. Meet the Officers and have one initial your application.
4. Return your completed application to Bruce Evans.
5. If you hold an Amateur Radio License, you are entitled to operate the Club station.
6. If you do not hold an FCC license, arrangements will be made for your instruction and examination.

Why miss the oportunity to talk with other HAMS on the other side of the world? Help spread International Friendship.

JOIN US!

EDITORIAL

With the New Year comes a new look to the Amateur Radio Club. This magazine is one of the few things that are planned (and I hope will continue) during the Spring semester. Starting with the Simulated Emergency Test on January 27-28, the Club will handle traffic collected at Houston Hall and transmitted daily. Sufficient publicity will insure that a large number of messages will flow through the Club to the Traffic Nets. Details for this service can be found on page 5. If you are licensed, we need your help.

Starting in January and continuing through March, the Club will participate in three contests. The biggest and best will be the 1968 ARRL International DX Competition. The dates for this contest will be: Feb 3-4 (phone), Feb 17-18 (cw), Mar 2-3 (phone), Mar 17-18 (cw). Brush up on your technique, the bands are in good condition, and the pileups should be huge. This will be THE TEST for the new antennas. All we need now is a Linear amp that will run ten KW. HI! Come out for this contest, if nothing else it will give you an excuse to quit studying for a weekend. As a reminder, our first meeting of the new year is scheduled for February 13. Entertainment will be: The Story of DX, from the ARRL. BE THERE. RRMILLER

As I See It

W3ABT has expanded its operations to include RTTY. This, coupled with an increasing active membership, illustrates the progress the club can make if the membership makes its ideas and services available to the club. We now have an opportunity to work on moonbounce and other VHF-UHF projects at The Valley Forge Research Site. The prerequisite is a unified plan of action stating our goals. Therefore, all interested members are urged to send a note via intramural mail to the club stating your interests and availability. In return for your service, you will gain experience in VHF-UHF work. Also, volunteers are needed to assemble a dish antenna at Valley Forge. It would be nice to have club members do this in order to improve our public relations with the Moore School.

Our future depends upon how active we are in the present. We desire to remodel the club room (214 Moore School) and to purchase new commercial quality gear which will enable us to tackle more complex projects such as slow-scan television. In order to justify such capital investments, we must show that we have a large, interested active membership. Through our activity we will make our presence known to the University.

Again we ask for traffic handlers, contest operators, maintenance personal, and nominations for the 1968-69 officers; all of these plus new ideas. It is your club and what you make it.

JOHN MOORE PRESIDENT

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A WORD OF ADVISE TO THOSE WHO CONCEIVE VAST PROJECTS WITH ONLY HALF-VAST IDEAS

(LUKE 14). 28. FOR WHICH OF YOU, INTENDING TO BUILD A TOWER, SITTETH NOT DOWN FIRST, AND COUNTETH THE COST, WHETHER HE HAVE SUFFICIENT TO FINISH IT. 29. LEST HAPLY, AFTER HE HATH LAID THE FOUNDATION, AND IS NOT ABLE TO FINISH IT, ALL THAT BEHOLD IT BEGIN TO MOCK HIM. 30. SAYING, THIS MAN BEGAN TO BUILD, AND WAS NOT ABLE TO FINISH.

COME TO THE MEETING COME TO THE MEETING COME TO THE MEETING
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DECEMBER MEETING MINUTES

The regular monthly meeting of the University of Pennsylvania Amateur Radio Club was held in the Moore School, Rm. 23, on December 5th, 1967. The meeting was called to order by President John Moore at 11:10AM.

All officers were present.

As of November 30, 1967 we had \$3.75 in the treasury not including the \$70 appropriation from UPSG since we still have not been officially informed that the money is ours.

Bruce Evans announced that the open house held on December 1, was a success.

Amendments to the constitution were discussed. Jack, WA3EVG, contended that technicians should be able to hold office in the club. Rights of Grad students were also discussed.

After some debate the amendments were tabled and will be discussed at the next meeting.

The meeting was adjourned at 11:30.

John then announced that the entertainment would be: VHF Propagation supplied by the ARRL.

Respectfully submitted,

Jim Talens
Secretary

TREASURERS REPORT

UPSG Allocation for 67-68	\$280.00
Cash Balance 11-30-67	\$ 3.75
Income or (Expense):	
Resco - tubes	(\$ 40.85)
Hamburgers-10-15m Yagi and six M preamp	(\$ 84.00)
Gen. Radio - headset	(\$ 18.00)
Petty cash - tubes for 75S-3	(\$ 11.40)
Printing Office	(\$ 52.00)
Spang Enterprises - antenna	(\$ 70.00)
UPSG additional allocation	\$ 70.00

Cash Balance 12-31-67 \$ 73.75

\$

MEMBERSHIP

December 31, 1967 65

INCENTIVE LICENSING ADOPTED

The Federal Communications Commission has reinstated incentive licensing in a Report and Order on Docket 15928, with changes in the RULES effective November 22, 1967 and changes in PRIVILEGES effective one year later.

The Advanced Class License is re-activated with all present holders and all new licensees of this class having privileges not available to General and Conditional Class licensees after November 22, 1968. New applicants for Advanced will take a fifty-question multiple-choice test on technical subjects, less difficult than Extra but tougher than General. In addition, Conditional, Technician, and Novice applicants for Advanced will take the regular General Class written exam and the

13 word-per-minute sending and receiving tests in International Morse Code. Thus, only 13 w.p.m. is required of Advanced Class applicant. No waiting period or "time-in-Grade" requirement has been established for Advanced, but the two-year service requirement (as Conditional or higher) for Extra remains in effect.

Advanced Class and Extra Class licensees will have exclusive use of the following phone sub-bands after November 22, 1968: 3825-3850, 7200-7225, 14200-14235, and 21275-21300kc.; additionally 50.0-50.1Mc. will be reserved for Advanced and Extra. After November 22, 1969 these exclusive privileges will be expanded to : 3825-3900, 7200-7250, 14200-14275, 21275-21350kc. and 50.0-50.25 Mc.

Extra Class licensees will have exclusive use of 3500-3525, 3800-3825, 17000-7025, 14000-14025, 21000-21025 and 21250-21275kc. effective November 22, 1968. A year later, the c.w. frequencies for Extra will be 3500-3550, 7000-7050, 14000-14050 and 21000-21050kc.

Technician Class licenses have no changes at all, except in respect to the one small segment at the bottom of six meters which is later to be reserved for Advanced and Extra. Novices issued licenses after November 22, 1967 will receive a TWO-YEAR license term; after November 22, 1968 the phone privileges currently available on the 145-147 Mc. band will be withdrawn.

JUST CAN'T WAIT FOR '68
THE BAND'S ALL MINE IN '69

TRAFFIC HANDLING SERVICE BEGINS

Are you bored by rag-chews?
Does DX wear you out?
Do you want to try something new?

Why not try message handling for the University?

Beginning with the SET in January, the club will again handle traffic for the University Community. This was done in the past with much success. To make it succeed this time, we need one important thing. THAT IS YOU. Traffic handling will have to be a regular thing, with messages transmitted daily. No one person can do all of the work with the tight schedules we all seem to have. We need at least fifteen operators if the service is to be a daily operation. This will allow for a missed turn by operators who have a busy schedule, such a three exams in two days. With fifteen people, we will be able to handle traffic five days a week and at the same time rotating operators so that they only have to work once every two weeks, and also people who can act as substitutes in case one of the regular operators can not make a net. Why let a few get all of the work - and all of the credit? It will take only a few hours a week at most.

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CALENDAR OF EVENTS

- JANUARY 27 - 28 SIMULATED EMERGENCY TEST
- FEBRUARY 3 - 4 DX TEST (phone)
- FEBRUARY 17 - 18 DX TEST (cw)
- FEBRUARY 3 - 18 NOVICE ROUNDUP
- MARCH 2 - 3 DX TEST (phone)
- MARCH 2 - 3 BARTG RTTY CONTEST
- MARCH 16 - 17 DX TEST (cw)
- MARCH 18 WLEIA HIGH SPEED CODE TEST

TRAFFIC SERVICE (CONTINUED)

The traffic nets we plan to check into will meet on 75-80 meters. These nets meet in the late afternoon and early evening. We have chosen these nets because they will give coverage of the area our student body represents, i.e., the east coast. The nets that we will use for the bulk of the local messages will be the Pennsylvania Phone Net which meets at 3960 kc. at 5:30 pm, the Eastern Pennsylvania Emergency Phone and Traffic net which meets at 3917 kc. at 6:00 pm and the Pennsylvania Telegraph Training Net.

If you usually eat at about this time and don't want to trade 80 meter QRM for Homus Tahini, fear not! There are other nets and times available.

The officers are also working on the possibility of handling our messages on RTTY. Our facilities will have to be improved to do this, but by September a new tuning unit should make a big difference in what is now marginal copy on the existing equipment. If you are one of the many people who have complained that you can not get the machine to print, despair not, your complaints have been heard and will be answered as soon as money is available for the project.

RTTY traffic handling involves punching out a tape of all the messages for the day and feeding it into the machine. The machine will then transmit at 60 wpm instead of the slow 15 wpm for cw and the slower 10 wpm for phone. It will mean that an operator can get in and out of the station in a fraction of the time he would spend using the conventional modes.

With the facilities we hope to put in operation by September, everything will be automatic on RTTY. But until then we all will have to stay with the slower, but more common phone and cw.

Please help out with this worthwhile service. Remember, Amateur Radio exists because it renders a service. HAVE AN INTEREST. HANDLE TRAFFIC.

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GENERAL COVERAGE RECEIVER WITH BFO

Q MULTIPLIER AND MATCHING SPEAKER

HAS BUILT-IN CLOCK. EXCELLENT BOTH

ELECTRICAL AND MECHANICALLY. \$95

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IT IS RUMORED THAT...

a few of our more ardent phone men think that cw only stands for College for Women...the new callbook now lists class of license along with call, etc. ...W3EMD is now down at the University of Virginia with no rig...Bob, K1DME, is having trouble with his skeds... so are Paul, K1MJS, and Perry, K3JTE... Barney, K1HMW, donated a novice rig, QST's, CQ's and other goodies to the station...will this start a trend?... tnx Barney, they are much appreciated... Stu, K3HFE, is a WXPEN ROCK-JOCK...Phil, K3OJK, writes for 73 Magazine in his spare time...the door to the shack is painted, but nothing else...Barry is crazy...Jim, K3MNJ, rocks at 55 on CW... with Chuck, K3LOU not far behind...Dan, K3VME, works six with much success... Bill, WA2LEY, is a RTTY fan...Gary, WA2IML, is club photographer...where are the shots of the open house??... Roy, WA3LEN, will give a tour of the Navy Yard to all comers in the middle

...FROM THE LAND OF RTTY COMES "THE BEST OF
RTTY OSO'S"

"HOW GOOD IS YOUR GERMAN?"

PUBLIC RELATIONS --DAS BRAGGEN AND SCHOEN GRUPE
INSPECTION --DAS FAULTERFINDER GRUPE
SECURITY --DAS SCHNOOPER BUNSCH
FLIGHT TEST --DAS MOR GUTZ DEN BRENS GRUPE
MANAGEMENT --DAS ULZER UND BALDEN GRUPE
GUIDED MISSILE --DAS SKIENTIFIKER GASSENWERKES FEIREKRAKKER
ROCKET ENGINE --DAS FEIRSCHMITTER MIT SCHMOKE UND SCHNORTE
LIQUID ROCKET --DAS SKWIRTEN JUICENKINK FEIRSCHMITTER
GUIDED MISSILE SYSTEM --DAS SCHEERENWERKE
CELESTIAL GUIDANCE --DAS SHTARGAZEN PEE, ENGLASSER MIT
SCHEERENWERKE
PRE-SET GUIDANCE --DAS SENDEN OFFER MIT EIN PATTENBACKER
UND FINGER GERKROOSEN SCHEERENWERKE
CONTROL SYSTEM --DER PULLEN AND SCHOVEN WERKE
WARHEAD --DER LAUDENBOOMER
A-BOMB --DER EARGESCHPLITTEN LAUDENBOOMER
H-BOMB --DER EARGESCHPLITTEN LAUDENBOOMER
MIT EIN GROSS HOLENGROUND
SPUTNIK --DAS RUSSKIE PROPAGANDISCHE FUR DAS
GROSSEN PENTAGONISCHE GOOFE
AMERICAN SATELLITE --DER GROSSEN FRETEN UND FUMEN MIT PRAYER
UND LAUDKURSEN WEHN NICHT WERKEN ST GUTE

COURTESY -- W3DVB

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A TALE OF THE OLD WEST

IT SEEMS THAT PEDRO AND CISCO, WHO LIVED IN A SLEEPY LITTLE ARIZONA TOWN NEAR THE MEXICAN BORDER SUDDENLY STRUCK IT RICH AT A NEARBY RACE TRACK. THEY BOUGHT THEMSELVES A BRAND NEW PICKUP CAMPER WITH THEIR WINNINGS AND DECIDED TO TOUR THE SURROUNDING COUNTRYSIDE.

LATE THE FIRST NIGHT OUT ON THE ROAD, THE TRUCK BUMPED, LURCHED AND ALL BUT WENT OUT OF CONTROL. CISCO, AT THE WHEEL, TURNED QUICKLY TO HIS PARTNER.

WHAT I HEET, PEDRO?
LOOKING BACK IN THE MOONLIGHT PEDRO CAME UP WITH THE ANSWER.
YOU HEET A PUSSY CAT, CISCO.
HOW YOU KNOW IT'S A PUSSY CAT, PEDRO?
BECAUSE HE LIE THERE AND CRY MEEOW, MEEOW, CISCO.

A FEW NIGHTS LATER CAME ANOTHER LURCHING BUMP, AND AGAIN CISCO TURNED TO HIS CO-PILOT.
WHAT I HEET, PEDRO?
YOU HEET A DOGGIE, CISCO.
HOW YOU KNOW IT'S A DOGGIE, PEDRO?
H LAY THERE AND CRY, BOW-WOW-BOW-WOW.

(CONTINUED)

