HOLMESBURG AMATEUR RADIO CLUB, INC.

(a non-profit corporation)

P.O. BOX 6253 ~ PHILADELPHIA, PA. 19136

NEWSLETTER

1984

THE PREZ SEZ

First off, best wishes to all for a happy, healthy, and prosperous new year.

Elections were held at the January meeting and your officers for 1984 are:
President: Steve KR1M (Thank You)
Vice President: Richie WA3AOP
Treasurer: Claire KA3DNJ
Secretary: Still open (any volunteers??)
3 Year Trustee: Bill W3QXT

Seriously, the Secretary's job is very important and we need someone for this job. If you can help, your club needs you.

We have a lot of good things planned for 1984. Programs have tentatively been scheduled for the monthly general membership meetings for most of the year,and if you stayed for this month's program you have an idea of what's in store. The February meeting features a speaker from the Philadelphia Police Department Radio Room who will discuss how we can work with them in reporting emergencies via the autopatch and 911.

I overheard a comment on the air the other evening that kind of disturbed me. A new member was explaining the club to a non-member and described us as a repeater club. While the repeater system is an important part of our club, (Kudos to the unsung heroes of the Tech Committee for what they've done) I would like to believe that we have the potential to be more than a repeater group and I'd like to see that potential start to develop. Let's think about broadening our horizons a little.

Many thanks to Bernie WA2BAK for filling in for N2BVA as acting net control station on our Wednesday evening nets (8 pm on the repeater). He is doing a super job and your participation in the nets is encouraged and invited.

That's about all for this month's comments. Please remember a little courtesey on the repeater and give us a hand when we ask for participation on events such as Field Day, the club picnic, or a special event.

SK es 73 de KR1M

JUST A REMINDER.....

Get your 1984 dues in now!!! In order to receive your new access code patch, your 1984 dues must be paid.

For those of you interested in practicing your CW, check into the Code Practice every Wednesday evening at 7:30 p.m.

Following the CW practice, check in to the Wednesday evening Holmesburg Amateur Radio Club NET. We will be happy to hear from you and we welcome your comments!

Have you made your reservations for our Annual Banquet? This year, the Banquet will be held on January 21, 1984 at the Travelodge on Rt. 73 New Jersey. Contact Lou Shore, W2FVJ for further information.

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In an interview given to an ARRL reporter, the FCC's new Private Radio Bureau Chief, Robert Foosaner advised that drastic changes from the previous few years in FCC policy and administration were not in the wings.

Facts from WORLDRADIO

Firm adherence to the rules and to the policy expressed in a letter to the ARRL will continue to be the position of the FCC's Private Radio Bureau on the question of what is and is not "business" communication prohibited via Amateur Radio stations.

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FCC amateur license statistics as of 01 September 1983 are as following: Novice Class, 87,066; Technician, 76, 052; General, 118,116; Advanced, 95, 094; Extra, 33,596; Total operators, 409.924; Club stations, 2,496; Military recreation, 197; Secondary stations, 253; RACES, 535; Total Stations, 413,405.

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Any Amateur Radio station may now be used to retransmit space shuttle communications. The FCC has granted a blanket waiver of the prohibition against broadcasting in the Amateur Rules (97.113).

The waiver is good for the duration of all upcoming space shuttle flights launched under the auspices of NASA, provided that prior permission is obtained from NASA and that the retransmitted communications are for the exclusive use of licensed Amateur Radio operators only. Both audio and video shuttle communications may be retransmitted. Previously, waivers were granted only to specific clubs and for specific missions.

HOLMESBURG AMATEUR RADIO CLUB, INC.

1984 NEWSLETTER 2

TORIAL

Can it be true? Are Amateur Radio operators motivated by greed? Can one little Lottery generate hundreds of items for a Newsletter? Do HARC members really read their Newsletter? I think the answer is "Yes" on all counts, and your Editor wants to say "thanks."

Contributors to the February Newsletter include (contributors listed with a (2) contributed material for both this Newsletter and the last one):

Elliott K3JJZ	Dick WB3EVY (2)	Don KA3KNC
Lou W2FVJ	Bill W3QXT (2)	Herb WB3IRE (2)
Claire KA3DNJ (2)	Jane K3ZDN	Paul K3RBO
Charlie WA3OQR	Steve KR1M (2)	Jay WA3IFY (2)

Because of your excellent reponse to my appeal for help, there was just too much material available to include in one issue of the Newsletter. If your material is not included, I still have it and will include it in a later issue. However, whether your material is used or not, your name will be included in the Lottery to be held on March 4, 1984, at the General Membership Meeting.

I would like to share with you a letter that I received from Jane K3ZDN, because it is representative of many others I have received:

"Dear Mike -

Enjoyed the last harmonics mucho and think that your idea of a lottery for those who contribute is super.

Tho' I've never won one, I can't resist lotteries - nor the chance to win a Cross Pen and Pencil set!

As everyone who uses the mails must know, there was recently a set of memorative stamps issued, honoring 4 great inventors: Steinmetz, strong, Lesla, and Farnsworth. Guess it wouldn't be easy to reproduce each stamp, but do you think our members would be interested in mini-biography of each man? Just in case, I submit one on Steinmetz mostly as it was written in the N.Y. Times on Sept 18, 1983. If you like the idea, I'll send the other 3 in installments.

My typing is slow, painful and inaccurate . . . and my handwriting isn't much better. (My calligraphy isn't bad but that <u>really</u> takes TIME).

73
Jane Jones K3ZDN"

Well Jane, your Editor would welcome the other mini-biographies; send them all in.

Radio is my hobby (Submitted by Lou Shore W2FVJ)

I shall want no other.
It giveth me good grades in Physics,
It leadeth me into the field of invention,
It fireth my ambition,
It leadeth me in the realm of science for
Knowledge sake.
Yeh, Though I walk through this valley of
The shadow of goom, I shall feel no bad
Temper. They coils and detectors they comfort
Me. Though prepareth pleasure before me in
The presence of disappointment. Thou
Annointed my head with fame, my pep runneth
Over. Surely pleasure and profits shall
Follow me all my life: My call shall
Dwell in the ether of the universe for ever.

Charles Proteus Steinmetz was born in Breslau, Germany, now Wroclaw, Poland. His name then was Karl August Rudolf Steinmetz. He was a hunchback from birth, a congenital defect his father and grandfather also had, with a head too large for his body. As a boy and a student at German university, he showed an unusual aptitude for mathematics and physics. He was also openly a socialist, at a time when Germany was taking drastic steps to stamp out socialism.

In America, Steinmetz worked for a small electric firm in Yonkers that was run by a German who had once also been a revolutionary. By the time he was 27, Steinmetz had made a reputation with inventions and scientific articles. He was wooed by the General Electric Company, but he would not leave his benefactor, so in 1893 G. E. bought out his employer.

Steinmetz never abandoned his socialism and was probably the only Socialist to head a key department of a great capitalistic company.

The importance of his theoretical work was beyond the reach of most, but the "man-made lightning" he created in generators capable of electricity of high potenial made him a familiar name to even the most unscientific laymen. N.Y. TIMES, 9/18/83

JANE JONES - K3ZDN

HOLMESBURG AMATEUR RADIO CLUB, INC.

1984 NEWSLETTER 3

This ham is sitting at his desk answering a letter from his insurance company.... I am writing in response to your request for additional information for block number three of the accident reporting form. I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully and I trust that the following details will be sufficient.

I am an Amateur Radio operator and on the day of the accident, I was working alone on the top section of my 80 foot tower. When I had completed my owrk, I discovered that I had, over the course of trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now un-needed tools and materail down by hand, I decided to lower the items down in a small barrel by using a pulley, which unfortunately was attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went to the top of the tower and loaded the tools and material into the barrel. Then I went back to the ground and untied the rope, holding it tightly to insure a slow descent of the 300 lbs. of tools. You will note in block number eleven of the accident reporting form, that I weigh only 155 lbs.

Due to my surprise of being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley.

Fortunately, by this time, I had regained my presence of mind and was able to hold onto the rope in spite of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed 20 lbs. I refer you again to my weight in block eleven. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming up. This accounts for the two fractured ankles and the lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lessen my injuries, when I fell onto the pile of tools, and fortunately, only three vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools, in pain, unable to stand and watching the empty barrel 80 feet above me... I again lost presence of mind. I let go of the rope.

(The original author of this story is unknown. Reprinted from the Penn Wireless X-Mitter, November 1983. Sent in by KA3DNJ)

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SCHEDULED PROGRAMS FOR OUR GENERAL MEETINGS

2.5.84 Mr. Harold Rubin, member of the Philadelphia Police Dept. (will speak with us about the workings of the Communication Room at the Round House)

3.4.84 Mr. John Fisher, K2JF, well-known propagation forecaster, member of the FCC RFI Committee, the ARRL RFI Committee. (Will speak with us on all his areas of expertise)

WE LOOK FORWARD TO SEEING ALL OUR MEMBERS AT THESE MEETINGS!!!

CLAIRE- KA3DNJ

HOW TO GET STARTED ON FAST SCAN ATV

FSATV really is not much different than any other mode or getting on another band. It takes another rig and antenna system plus the incentive to communicate with another ham interested in the same mode. Try to find a buddy ham or find others in your area who are on ATV or are interested in getting on. Ed, AB2Y, and Dan, WA2KOK, are active in this area. 145.825 FM simplex is the national FSATV coordinating frequency. This frequency is very important, especially when getting started, to discuss your progress, rotate beams, and talk in the picture. Generally, if you can work someone on 145.825 FM simplex, you can get pictures on ATV from them. Later, 145.825 is used to talk back to the video transmitting station at the same time he is talking to you on the sound subcarrier. 439.25 is the most used video frequency. Most start with a downconverter to SEE the activity.

BUILD OR BUY? If you are more into operating and can't wait to televise your shack, video tapes, computer games, etc., then you will probably want to get the complete unit ready to go...TC-1 Transmitter/converter by P.C. Electronics. If you enjoy putting your own system together, then the four basic modules by P.C. Electronics (see Block Diagram) are for you. Later you may want to add some of the various accessories.

But either way the most important part of your system is the antenna and transmission line. We suggest the 48 element J horizontally polarized beam, either single or dual up at least 40 feet or above the tree tops as far as practical. Foliage really absorbs 400 mHz RF. Coax also has a lot of attenuation. Belden 8214 has the lowest loss of all the ½" coaxes at 3.7 db/100.

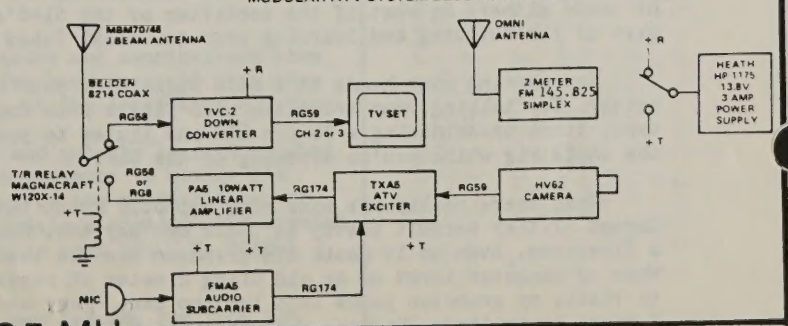
RG 213 is 4.7 db. Use 50 ohm hardline for runs over 75'. Take great care in making the connectors properly and then tape and spray with clear epoxy paint to keep the water out of the coax. Vertical polarization is recommended if you may want to go a repeater later as it is hard to get a horizontal omni gain antenna.

At UHF frequencies all coax connections must be as short as possible. The center conductor should never be longer than ¼" out of the cable for connection. It is usually a good idea to shield the FMA5 and the TXA5 in separate boxes to keep the RF out of the mic amp. Use a good T/R relay such as the Magnacraft W120X-14 or Dow Key type 60 or pull one out of an old surplus UHF FM transmitter. The relay must be made for UHF and a low VSWR.

CONNECTING TO THE TV SET. Many TV sets have a hot chassis. Check with a ohmeter between the AC cord and TV chassis. If one side shows low resistance with the switch on the the set ON, you will need to make sure the TV will be isolated from the converter and antenna ground or sparks will fly! If the set does not have an F connector antenna input, add one. Fine tune the TV on the open channel 2 or 3 to minimize interference and then tune the downconverter for a picture. P.C. Electronics ATV test gen is handy if you want a ham close by within ½ mile to send you a signal.

ADDING ON TO THE SYSTEM. There are accessories for monitoring your own xmitted video, modifying a TV into a monitor, adding S-meter and squelch to the TV receiver, video IDer and clock, a board to superimpose your microcomputer on the camera video black & white and color cameras. Show your video tapes by connecting the video output jack of your VCR to the video input of the xmtr.

MODULAR ATV SYSTEM BLOCK DIAGRAM



HOLMESBURG AMATEUR RADIO CLUB, INC.

4 NEWSLETTER 1984

WARNING

FISHING POX

VERY CONTAGIOUS TO ADULT MALES

SYMPTOMS — Continual complaint as to need for fresh air and relaxation. Patient has blank expression, sometimes deaf to wife and kids. Has no taste for work of any kind. Frequent checking of tackle catalogues. Hangs out in Sporting Goods Stores longer than usual. Secret night phone calls to fishing pals. Mumbles to himself. Lies to everyone.

NO KNOWN CURE

Quarantine unnecessary

TREATMENT — Medication is useless. Disease not fatal. Victim should go fishing as often as possible being sure to take along with him a plentiful supply of your favorite Beer.

In case of epidemic, more of these notices are available from Circle Liquor Store. LOU SHORE - W2FVJ

NUTS, BOLTS,& OTHER LOOSE THINGS Dick WB3EVY

I miss vacuum tubes. Oh, I know solid-state is here to stay and most probably does a better job (?) but just the same- I miss vacuum tubes.

Did you ever stop to think of all the fun you had building something with tubes? All those parts to solder under the chasis and the miles of colored connecting wire going from here to there and back again. What a mess when you finished yet there was something about it that was beautiful. Big transformers to supply all the necessary voltages which sometimes were quite high and dangerous too if you didn't pay attention. But of course with solid-state it's all low voltage and so easy to stuff a PC board, especially one that has the part layout screened upon it. Yet... I miss vacuum tubes.

Remember your first tubed project? C'mon, be honest. Wasn't it thrilling just to see those filiments light up bright and clear? I'll bet some of you turned the lights down low so you could really enjoy that warm glow. Ah, for the days of yesteryear. Then, when plate voltage was applied and nothing went snap-crackle-or pop, you knew all was well and were overjoyed because you built this thing and it worked! And if it didn't- so what. Those glowing tubes were still consolling as you went about trouble shooting. Self oscillation wasn't a big deal. Finals drawing too much current didn't bend you out of shape either. So what if the rectifier or the 6146's got a bit purple. That was all part of the building and learning process. Alas! Tubes are gone now.

Try warming your hands on a cold night over your new Super-Duper solid-state tranceiver. Try talking your transistorized finals into forgiving you for making a dumb mistake. Start un-soldering a 24 pin DIP and listen to yourself praying you don't screw up the whole rig while you're screwing up the DIP.

Yes, there really was something hypnotic about tubes that glow in the night. Darned if they weren't pretty in their own way too. Sort of like watching the flames in a fireplace. Even my 19 month old grandson can see the beauty of glowing vacuum tubes. When my daughter turns on an old Clegg 2 meter AM receiver to listen for me on my way to visit, my grandson peeks into the top cage cover and upon hearing my voice he thinks I might be in there. Someone must be home in there. The lights are on.

HOLMESBURG AMATEUR RADIO CLUB, INC.

1984 NEWSLETTER 5

FIVE METERS ANYONE? (BY BILL SOBLE-W3QXT)

There won't be very many members of HARC who will recall the "good old five meter days", because if you happen to be one of them, you have to be eligible for membership in the QCWA and may spend more time chatting about the thirties at their meetings than about what's going on today.

They were the good old days because the ham bands were harmonically related; commercial gear was available but with a limited selection; and experimentation with antennas and home brew equipment was pursued by just about everyone interested in ham radio. Besides, very few hams had the financial resources to purchase factory(?) built gear. Of course the passing of the FIVE METER BAND was a sad day for hams, for the TV industry just about plucked that band from us, shoved us into a new 6 meter band, and a new dilemma was created - TVI.

Five meters absolutely provided fun for the disadvantaged, and who wasn't then? We even were involved in a few five meter firsts in this area. We were the Marconis' of the "apple stand" days. With few bucks to support a hobby of this type, simple equipment was necessary. This being the case, one and two tube super regenerative "transceivers" were easy to build and could be installed in a very small metal container (coffee can), that provided fairly adequate shielding and facilitated portable operation. Of course these weren't very stable units, and signals were difficult to keep tuned in. With the super regenerative hiss, little notice was given to the instability, especially on local loud signals.

Once with the aid of combination A, B, and C battery, about 20" high x 14" wide, and 10"deep, weighing about 40# and salvaged from the old Philco dump, we pursued MARATIME MOBILE from the main deck of a Wilson Line steamer sailing down the Delaware River to Wilmington. The fact that the battery was like a ton to a skinny half pint kid meant little when we first went aboard, as with super strength it was lugged up the gang plank to power one of our "Kropper-cozies". Yes, we had much success, yelling into a Western Electric F-1 carbon mike, making contacts on the Pennsylvania side of the Delaware River as we steamed toward Wilmington. On the way back though, the temptation to make our load lighter was much too great and many passengers were curious to know what caused that big splash in the water as we headed away from the dock and back to Philly.

Using the same type transceiver, powered by a single tube, another venture took us up hill into Burholme Park where we operated MOBILE, using a 5 meter doublet antenna swinging between two wooden clothes props tied to the rear bumper of a 1928 Chevy, which was operated by a tall 14 year old who had no trouble passing for an older lad to get his operators license. Results were unusually good!

At that time, to reduce the loss created by bakelite tube bases and sockets at 56 MHz, in most cases the tube bases were carefully broken away from the glass envelope. Without the use of tube sockets, connections were made directly to the tubes wires. For AC operation at home, a type 56 tube was generally used, and with one audio stage added, the racket sometimes concealed the signal.

Of the commercial equipment around, a National 1 to 10 receiver was considered top notch, but who could afford them? There was a ham out on Wayne Avenue who built to order a six tube resistance coupled I.F. 5 meter superhet receiver designed by Frank Jones, which sold for $15.00. (tubes included). Now this was really sophisticated, and I fortunately saved my nickles and dimes until I could own one.

The superhet tuned sharper than the superregen, but still had a loud hiss. Stability was very much improved. The tuning dial, however, was not calibrated, and even if replaced with one of more rigidity and refinement, would seldom bring in a high class crystal controlled signal on the same spot of the dial a second time.

The little simple super blooper super-regenerative receiver was the poor man's approach to 5 meters, which could even operate on 10 meters if the tuning coil was replaced and adjusted. This was a really hot unit, but its greatest fault, was that it radiated and put out a very respectable signal which disturbed all other receivers tuned in on its operating frequency. Because of its output as a transmitter, the unit was loop modulated and thereby became a one tube transceiver much to the chagrin of the other five meter hams for miles around.

Ah, the good old days. We scrounged the trash for old radios and cannibalized them for parts; went to radio row on Market Street, Philadelphia, for bargains; and even were successful in getting some tubes such as 26's, 27's, and 45's, at the local five and dime.

Every "short wave enthusiast" was a self styled engineer and quickly learned to wind coils using toilet paper tubes, scrape a section from a carbon resistor to change its value, or go series or parallel or both; pile molded capacitors on top of each other or hook them in series to get close to the capacity needed; manipulate a piezo quartz crystal to go higher or lower in frequency; and sweat profusely trying to keep his C.W. signal clean and without chirp.

Yes, they were the good old days. I wonder if we would have had the fun from HAM RADIO then if Kenwood, Yaesu, or Icom were around?

Don't Quit

When things go wrong, as they sometimes will.
When the road you're trudging seems all uphill.
When the funds are low and the debts are high,
And you want to smile, but you have to sigh.
When care is pressing you down a bit–
Rest if you must, but don't you quit.

Life is queer with its twists and turns,
As every one of us sometimes learns
And many a fellow turns about
When he might have won had he stuck it out
Don't give up though the pace seems slow–
You may succeed with another blow.

Often the goal is nearer than
It seems to a faint and faltering man.
Often the struggler has given up
When he might have captured the victor's cup.
And he learned too late when the night came down
How close he was to the golden crown.

Success is failure turned inside out–
The silver tint of the clouds of doubt.
And you never can tell how close you are.
It may be near when it seems afar.
So stick to the fight when you're hardest hit.–
It's when things seem worst that you mustn't quit.

CLAIRE - KA3DNJ

I have been in recent contact with Captain John J. McLees of the Philadelphia Police Department. He has given me the correct procedure to use when calling in an emergency on 911. as follows:

"I am an Amateur Radio Operator with an emergency situation, calling from my car." Over." When the operator comes back with an acknowledgement of your call, then you say, "This is a one-way transmission, only one person can talk at a time and go on with the details of your emergency or priority situation. Over." When the operator comes back with a repeat of the details you have just given him/her, you acknowledge same, or answer any further questions they may have. Back to you.

CHARLIE - WA3OQR

HOLMESBURG AMATEUR RADIO CLUB, INC.

6 NEWSLETTER 1984

BUY/SELL/TRADE/WANTED/JOBS

This service is provided FREE to members. The club assumes no responsibility for the condition of equipment offered. Space is provided on a first come basis. All insertions must be received by the editor of this column not later than the 5th of the month the newsletter is scheduled for publication. The editor reserves the right to reject or revise any ad that in his opinion may be commercial in nature or bring discredit to the publication and/or the club. Submit items to Bill Soble, W3QXT, preferably by mail, to 9357 Hoff Street, Phila., Pa. 19115. Requests for insertions by telephone will also be honored, by calling AC 215 PH 676-6769. Please advise if your insertion produced successful results.

SELL: Computer, Xlnt condition. TRS 80, Model III. Can be seen in operation. $1,400.00 - MILT - K3WIL - 609-456-0500.

SELL: COPIER, DRY, APECO, with over $100.00 in extra supplies. Can copy up to 17" in length, 8-1/2" wide or 11". Uses roll paper. 30 to 60 copies per min. Can be seen in operation. NEAL - W3PF 215-564-0800. Price $250.00

SELL: Transceiver, Swan, 6 meters, SSB, Mod. 250C. 200 watts PEP. Has two 6146's in the final. NO POWER SUPPLY AVAILABLE. Good condition. $225.00. RICH WB3BMA - 215-533-4895.

SELL: BC 221 Frequency meter, $25.00. Also 50 foot self supporting tower. (Will sell or trade the tower).
NEED 2 meter synth. Handy Talkie with bells and whistles. LOU W2FVJ 609-235-2999.

SELL: 4-1/2" Reflecting telescope with stand. Edmond Scientific's finest scope. Xlnt condition. Practically new. Cost $295.00. Will take $150.00

SELL: Various small items: Binoculars - TRITON w/case....$15.00. Radio, AM/FM Stereo Miniature, with lightweight headphones.....$20.00. TEN-TEC KEYER KR 50, Electronic, w/manual....$25.00. PAUL K3RBO 215-671-0268

SOLD: Through this column as reported by K3RBO, TRANSCEIVER, SWAN, w/AC power supply, speaker console.

SELL: Transceiver, 10 Meter, SSB, converted TRAM XL5, 12 watts, works great, mobile or fixed. Mobile ant.,Mike and manuals incld. $100.00.
GIL - WB3JJF - 757-6426/275-3040.

SELL: Power Supply, 12VDC, 3 amps, w/panel amp meter.....$25.00. VOM's in Xlnt Cond. 1/2 of original price. Radio Shack dist. 1 at $10.00, and the other at $12.00. GIL-WB3JFF 757/6426 or 275-3040.

SELL: Microphone, D-104, Astatic Crystal,with amplifier in base. Squeeze to talk. Chrome desk stand. Excellent cond. $35.00. BILL W3QXT 676-6769.

SELL: Transceiver, KENWOOD, TS-830-S, with Kenwood MC-50 Mike. Newer than new. less than 1 hr. total use. With manual, new spare finals and driver. This is a terrific rig. $775.00 firm.
BILL - W3QXT - 676-6769.

SELL: Transceiver, Commercial, GENERAL ELECT. Progress Line, approx 50 watts, with two mikes and schematic. Covers 152 to 175 MHz, but can be easily converted for two meters. All tubes intact. 2 xtal channels for transmit and receive. Good condition. $75.00. BILL W3QXT 215-676-6769.

WANTED: Ads from our members. This is your newsletter and input from the field is necessary to make it a howling success. Sure you have plenty of stuff you would like to get rid of, but you dont have time to make up a list you say. Couldn't you use a few more sheckels in your pocket and at the same time provide more space in your attic, shack, garage, or basement?

SELL: BEER MUG from Germany, has flip top. First $25.00 takes it. Books, "Servicing Superheterodynes by John F. Rider" printed in 1931...$10.00, and "Electrical Measuring Instruments" printed in 1939....$5.00. BILL -W3QXT 215-676-6769.

ELL: Receiver, General Coverage, HEATH, SB 310, AM, SSB, CW Filters. Ext. Speaker. Like new.....$70.00. SWR/WATTMETER, HEATH, HM-102, Like new...$30.00 DUMMY LOAD-Wattmeter, Barker-William son, Model 334A. Very good condition, $75.00. BLACK & DECKER Drill bit sharpener, Xlnt. cond.....$20.00. TUBES, Matched Set, Brand New, for FT 101ZD. Never used..... $15.00.

JOHN - AG30 - 215-677-8771

ELL: Club jacket (as furnished by KZ2N), MED, mens, Blue with yellow and white stripe, winter weight, zipper front. Has HARC emblem sewn on front with American flag on sleeve. Brand new, never worn. Still in plastic bag as received. With emblem, cost $17.50. Only one. Yours for $15.00. Bill - W3QXT - 676-6769

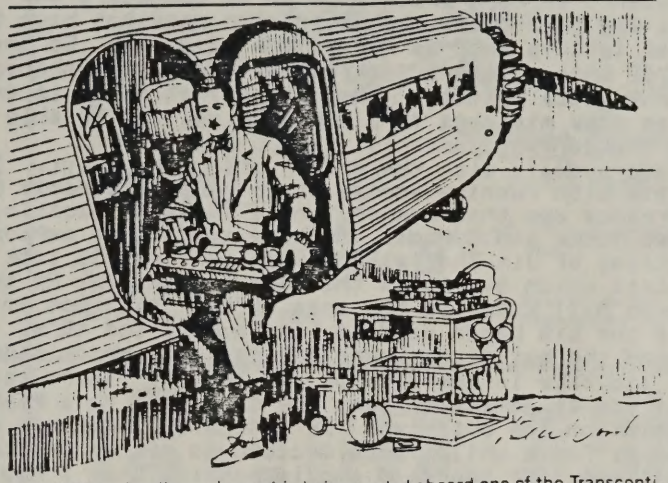
Brief summary of the minutes of General Meeting of 1.8.84

Meeting was called to order by our President, Steve Sosson (KR1H).
Minutes were read and approved.
Treasurers' Report: We have $3029.94 currently on hand.
Membership: We have 155 paid up members for 1984. For 1983, we had 190 members on roll.
Banquet: Banquet Chairman, Lou Shore (W2FVJ) reported on the progress of the Banquet Committee. Banquet will start with cocktails at 6 p.m., dinner at 7 p.m. at the Travelodge, Rt. 70 in New Jersey.
Program: Program committee reminded us that we have Edward Rubin, Guest speaker from the Police Operations Room to talk with us at our Feb. 7, 1984 meeting. John Fisher of the Gloucester County Radio Club will speak at our March 6, 1984 meeting on RFI and Russ (WB2VAX) will talk with us on repeater grids at our April 1, 1984 meeting.
New Business: Alvin (KA2W) is selling an interface board for RTTY.
Final result of our elections are as follows:
Steve Sosson (KR1H) for President
Richie Rombenedetto for Vice-President (WA2AOP)
Claire Kuperman for Treasurer (KA2DNJ)
No candidate for Secretary
Bill Soble for 3 year Trustee (W3QXT)

Claire Kuperman, Secretary

COMMUNICATIONS NEWS / JANUARY, 1984

Great Moments in Communication



IT IS 1929 and radio equipment is being loaded aboard one of the Transcontinental Air Transport Ford tri-motors being readied for 48-hour coast-to-coast service. In order to transmit, a trailing antenna with a three-pound "fish" weight must be unreeled from the airplane. Charles Lindbergh heads TAT's technical committee and E. W. Proctor is in charge of communications. TAT's original $5,000,000 budget included $500,000 for ten Ford tri-motor planes and $169,000 for a radio network. TAT plans to erect seven of its own radio stations while four will be built in cooperation with the United States Department of Commerce. Each of these installations will include a radio shack and two 128-foot towers for the antennae. Each installation will be at least one half mile from the airport.

SOME FACTS TO THINK ABOUT
(AUTHOR UNKNOWN)

Did you know that you never get a second chance to make a good impression?
Did you also know that a person is only as big as the things that make him angry?

I'll bet you never realized that our temper is what gets us into trouble------and our pride is what keeps us there.

Finally, let me remind you that the best way to forget your problems is to help others solve theirs. DON - KA3KNC

AMATEUR OPERATOR LICENSE [illegible] gram, above the novice class, now is allowing examinations for amateur operator licenses to be given by volunteer examiners drawn from the private sector. Previously, such examinations were conducted by FCC personnel. The volunteer examiners will be coordinated by Volunteer Examiner Coordinators. VECs and any organization that is interested in acting as a VEC should apply in writing to the FCC. Approval of an organization to serve as a VEC will be contained in a written Memorandum of Agreement (MOA) to be signed jointly by the FCC and the VEC.

HERB - WB3IRE

HOLMESBURG AMATEUR RADIO CLUB, INC.

8 NEWSLETTER 1984

I guess you're all wondering why I haven't written this column for the last several months. There are several reasons: the editor didn't ask me; I was busy; my feet hurt.... Well, I finally have something to say, so I'm writing it... I hope you can read this. It is my first attempt at Word Processing on my Commodore 64. The computer works great, but the cheapy printer does not have the "decenders" for letters such as "g","y","p",and "q". So the lower case versions of these letters look rather odd when compared to a regular letter-quality printer. That's O.K., it still is great to be able to make as many mistakes as I normally do, and be able to go back and make the corrections.

My first story deals with the small world department. It especially deals with running across other hams in strange places. One such occurrance was this summer, while I was on vacation in upstate PA, New York, and Canada. My wife and I were exploring the scenic attractions of Jim Thorpe, PA, when our travels took us to the top of a mountain which overlooks the Mahoning Valley. At the top, there is a large hall known in the area as the "Ballroom in the Clouds", where the big bands used to play during the 40's. There is a terrace around the building, where one can sit, enjoy liquid refreshments, and take in the view of Jim Thorpe. There is also a stairway that, for an admission fee, one can climb to a platform at the highest point on the building. My wife and I went up, enjoyed the scenic beauty for a while, then decided to sit on the terrace and grab a cool one. Of course I should mention that I had my HT with me, and I used the opportunity to listen to the various repeaters that I could hear at this elevation. I would listen, and occasionally see if I could hit them. Well, I was listening to on particular machine, in Scranton, I think. Anyway, here I am listening, when I hear somone break on frequency. Something sounded strange, almost like I heard an echo. Or like I was hearing the guy direct, rather than through the repeater. Well, I looked up, and quickly saw the reason for the way his signal sounded. I was hearing him AT direct, all right, there he was, big as life, on the scenic overlook, about 100 feet above me. I yelled up to him that he didn't need his HT- that we could go "direct", but he didn't see me, and I couldn't get his attention until I broke in on the repeater! We had a nice eyeball, and said our 73's.

The second story is called, "Give me back my HT, even if it is yours". I was on a Plane (I guess you can call People Express a Plane) flight from Newark to Boston in October. I took my seat, placed my attache case, with IC-2AT enclosed under the seat in front of me. I'm sitting minding my own business, when I catch a glimpse of something awfully familiar looking on the seat just ahead of me and to the left. It's my 2AT, or at least its twin. My first reaction is "my rig fell out of the case and someone picked it up" This one even had the two right angle BNC connectors I use on mine to swivel the antenna. But I decided to check the situation out before accusing someone of theft. I looked in my bag, and sure enough, my own trusty 2AT is there. A lady comes down the aisle from the front of the Plane, sits down in the row in front of me, and picks up her HT. I took my rig out and non-chalantly say to her "I think your radio has had a baby" Well, her eyes lit up, and we introduced ourselves, she invited me to sit next to her (her husband was sitting on the other side of her, so don't get any ideas), and we had a great time. We had an even better time, because she had gotten permission from the Pilot to operate on board. So she was talking to her friends on the Boston repeaters while we were over Connecticut. It was fun, and she was a nice lady, in addition to being a ham. (Steve- her call is N1CKN, for your benefit)

The story didn't quite end there... It seems that she and her husband needed a ride to Malden, and I was getting picked up and we were going through Malden on the way to our destination (Yes, Seabrook, Mark).

Well, that's about all for now folks. I leave you with the closing question: is it a business call to call an airport tower, to ask them if their lights are on? Send your vote to Rich.

73, K3RBO

Commendation for radio amateurs

On 02 November 1983, Senator Barry Goldwater, K7UGA, addressed the Senate on the subject of Amateur Radio and the role amateurs played in the Grenada crisis. Following are his comments:

Mr. President, I would like to speak briefly about something this nation and its people are built on; namely, traditions.

Over the past week, there have been a lot of activities which our country has lived and suffered through with no small measure of courage and determination. Our Marines are still in Beirut, despite the tragic bombing and the loss of many of their comrades — yet, they go about this task in a tradition filled with courage and resolve. In Grenada, our Rangers, Marines and Seal teams, along with those of the joint Caribbean force helped a tiny nation to rid itself of what most surely would have been a reign of tyranny and communism. The United States came to the aid of those nations to help them in a time of need and to protect our citizens in a foreign nation.

Students who were evacuated from the island of Grenada spoke of our military and our country with patriotic pride — a tradition that in recent years has been missing in the United States. I hope that we can continue to strengthen these same traditions that have made this a great nation.

CONT'D PG. 9

DEAD? (by Elliott Weisman - K3JJZ)

Dead What? - Dead Spot, null
can't make the repeater!
Want to do something about it?
The Technical Committee has discussed the potential of directional antennas at the northeast site.
Before a firm plan is generated, it is necessary to determine the location of these dead spots.
If you know some of these spots, please send me a list of these locations. We would like to collect the following information:

1. Location of dead spot
2. Type of Xcur being used
3. Type of antenna

The results of this survey will be published in the Newsletter at a later date.

SUPPORT OUR ADVERTISERS. TELL THEM YOU SAW IT IN THE HARC NEWSLETTER.

COMMENDATION (CONT'D)

Mr. President, with all due respect to our fighting forces and what they have been through in the last several weeks, there are other traditions which perhaps have been less noticed — especially in the case of Grenada — that I do not think should go unnoticed.

As you and my other colleagues know, my hobby is Amateur Radio. It is not only a hobby, but to most hams, as they are known, it is also a service. And it is this tradition of service from the Amateur Radio fraternity that I speak of today.

During the first two or three days during which our forces were conducting operations in Grenada, the island was virtually cut off from the outside world communications-wise. Yes, we have spent millions of dollars on communications for our military for use in crisis and wartime situations. However, on this particular occasion, probably the most up-to-date accounts of what was happening, in and around St. George's Medical College area, were given by ham radio operators.

Mark Barettella, KA2ORK/J3, and Don Atkinson, J37AH, maintained communications throughout a very critical situation and were, at times, the only sources of information coming from Grenada. Ham radio operators here in the United States monitored frequencies used by Mark and Don and stayed in contact with them night and day.

Ham radio operators provided a great service, not only to their government, but also to the people of the United States. Like hams that have gone before them, they have a tradition of service in times of local and national emergencies.

I think it is fitting today that we should honor these amateurs, and the Amateur Radio community in general, for also being a part of the finest traditions of this country. They are a national resource that we should be proud of and should appreciate.

Mr. President, in addition, I would like to enter into the record the call signs of at least a few amateurs that we know of at this point: N2DRA, K3RZR, W3DOS, KA3DTE, KC2PK, WD4CNR, K0IND, VE3AJN, K4MM, WA4ZHC, W4PP, W1ISO, WA4CCK, ~~WD4AHE~~, WB4CKO, WR4S, WB4FTK, N4GFQ.

I am sure that there are many others who are known to us and who are not included in this list that should receive our thanks.

—*Submitted by Dave Siddall, K3ZJ*

• *Pass it on* : : *WORLDRADIO*

CLAIRE - KA3DNJ

OWEN GARRIOTT, W5LFL, WILL BE AT THE 1984 ARRL NATIONAL CONVENTION. WILL YOU?

Yes! You too can meet and talk with Dr. Owen Garriott, the first Ham to operate from space, if you attend the 1984 ARRL National Convention. And that's not all. This promises to be the biggest, most exciting convention ever, with activities covering every facet of Ham Radio from CW to contests to traffic to DX to OSCAR to repeaters to RTTY to packet to AMTOR and more, more, more! Just look at the lineup:

Friday, July 20th -
Morning & Afternoon - exhibits, programs and seminars.
Night - celebrate both the 15th anniversary of man's first moon landing and the first amateur operation from space, at a gala party featuring a NASA program presented by W5LFL. You'll also have a chance to meet and speak with him, talk over your QSO with him during STS-9, ask him about the space program and any future amateur operations from space ... it's the opportunity of a lifetime!

Saturday, July 21st -
Morning & Afternoon - exhibits, programs and seminars, including ARRL and FCC Forums. Meet League and FCC officials, discuss amateur affairs, learn what's what from the source.
Night - The Main Banquet, including dinner and festivities at which W5LFL will be the featured speaker.

Sunday, July 22nd -
Morning & Afternoon - exhibits and more programs, until late afternoon closing.

And for the non-ham members of your family...
there's New York City, cultural capital of the world! The site of this great convention will be the Hotel Penta, situated in the heart of Manhattan, near everything there is to see and do in NYC. You and your family will be within easy walking distance (in many cases just a few steps) from Macy's, Penn Station, the Empire State Building, NY's famous Garment District and Fur District, Radio City, Broadway's renowned theaters and famous Fifth Avenue shops such as Gucci, Tiffany and Cartier plus restaurants, restaurants, restaurants, from world-famous gourmet havens to your favorite fast food chain. All other NY attractions such as Greenwich Village, Wall Street, the World Trade Center plus the city's incomparable museums, nightclubs and discos are easily accessible via mass transit. In fact, there's so much convenient mass transit available in Manhattan that there's no need to bring your car!

SPECIAL HOTEL RATE FOR CONVENTION ATTENDEES MEANS BIG SAVINGS!

Use the special Penta reservation form provided and get your room at the incredible price of $56.00 per couple, per night. If you've ever been to New York before, you'll appreciate what a fantastic bargain this is!

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Banquet tickets are only $26.00 per person, and **must** be ordered in advance. Tables seat 10, and you may reserve an entire table with a minimum group order of eight or more.

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Fill in the coupon below and enclose with an SASE and your check or money order, (no cash), made out to the Hudson Amateur Radio Council, and mail to: Mike Troy, AJ1J, R.R. 4 - Box 19C, Pound Ridge, NY 10576

Dear Mike:
Enclosed is check or m.o. in the amount of $_____.
Please send _____ advance registrations at $4.00 each ($5.00 after July 1),
and _____ banquet seats at $26.00 each.

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