

THE OLD TIMER'S BULLETIN

OFFICIAL JOURNAL, ANTIQUE WIRELESS ASSOCIATION
Published for the Old Time Wireless Operator, Historian and Collector

Vol. 5

AUTUMN - 1964

No. 3



A.W.A. OPEN HOUSE AND DINNER

The last official gathering of A.W.A. members for the year took place at Holcomb on Oct. 17. Although a local gathering, many members and their wives traveled over 100 miles to enjoy looking at the old gear and the social get-together that followed. Evening entertainment included viewing pictures taken at the A.R.R.L. National Convention and the Rhode Island Meet as well as group participation in a "Radio Broadcast" of the 1920's.

The latter was in a form of a contest with participants identifying the names of the tunes played and the station call letters. Mental anguish, the chiving of lead pencils and an occasional whoop resulted in WCTA/W2IIE team winning 1st place, WARKND/Y1 WAZYRH coming in 2nd and WPEH and X1 taking 3rd as they identified "Button Up Your Overcoat", "Varsity Drag", "Barney Google", Gene Austin singing "Bonnie" as they came in over KSL, KDO, WSM, WWJ and other well known stations of the 20's.....

OTB LATE - sorry we're late with this issue of the Bulletin - but we've all been vy vy busy - activity every weekend, piles of letters to answer, arranging material, etc.

2ND A.W.A. NATIONAL MEET AT WINTH

TERRIFIC!

Yes, that is the word everyone is using that attended the Oct. 3 meet. The best way to describe the event is a series of short sentences - so here goes:

- 1.) Early get-together Friday PM preceded by an old fashion lobster dinner...2.) disbelief at the beautiful museum completed in less than 12 months by Bob and Nancy Merrian!
- 3.)...Jack Gray, WBJDV, shows a 1926 movie taken in the Grebe Plant and then back to the Motel...4.) Formal opening of the New England Wireless Museum Saturday at 9:30 A.M. by the Governor of Rhode Island - TV cameras ...and a welcome by Bob, WLNTE and A.W.A. Pres. W2GB...5.) Gorgeous sun shiny day...the 'pup-put' of a single cylinder gas engine belt driving a Crocker-Wheeler generator, the crowds swarming thru the museum admiring the dozens of showcases full of historical wireless gear, a ship radio cabin, a library with shelves and shelves of radio books....6.) George Applegate delivering a well prepared talk on little known pioneers Stubblefield, Dolbear and formal announcement that he and WJAX are writing a biography on Nahlon Loomis, wireless pioneer of the



The Governor of Rhode Island cuts the "Blue Ribbon" formally opening the New England Wireless Museum. WLWTE, Curator looks on approvingly....

Civil War era !...7.) Sitting around and eating an informal box lunch.... 8.) Harry Bouck, Maj. Armstrong's assistant, showing the "gang" one of the first super-hets ever built...9.) Frank Winger, W9ENI, and Frank Pagano, judging a large collection of early wireless receivers brought in by members with W2CTA's Norden-Hauck winning 1st Prize for top IC set...then W2EI's Telefunken receiver taking first in the commercial line and Roland Bourne's (W1AIA) beautiful homemade audion receiver winning first in the amateur gear...10.) Roy Glodell gave the group a 'breather' by firing up his 1/2 kw non-sync rotary spk set...then (11.) formal introduction of all present with W6AX traveling the greatest distance...12.) Ralph Batcher spoke on the Radio Club of America and their objectives...13.) "Ducky" Dengler, W2LK, National Historian for Public Safety Officers covered their work and then...14.) Roland Bourne, W1AIA, ARRL Curator, told about the fine Museum at Headquarters...at this time George Grammer, W1DF, QST Editor, took a bow and said "hello" to everyone...15.) W8JDV announced the 3rd National Meet (1965) would be held at his QTH...along about this time the ladies returned from their jaunt to Newport where they visited the many historical mansions of another era...16.) Listening with awe as Jerry Tyne smoothly described the development of the vacuum tube - and hoping the priceless collection of tubes on the tables wouldn't roll off and break !...17.)... back to the Motel for a change and then to an old Armory and sitting on plank benches in a room full of historical weapons...and enjoying a beef dinner...

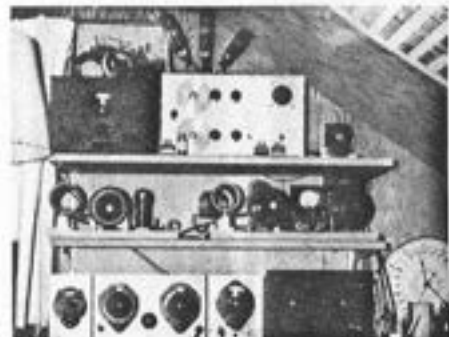
18.)...W9EMH shows the group tentative incorporation papers...19.) the crazy bidding while raffling a carton of original VT-1's provided by W1AAT...20.) and not to be outdone, Howard Schrader sells his tie to the highest bidder - W2CTA for \$5.50...all to be thrown in to the 'kitty'....21.) Honoring the Grand Old Man of the meet - Art Stockellburg, W1SS (1901)...22.) who presented W2ICE an Associate membership in the OOTC... 23.) Col. Glodell, adventurer at large, describing his early radio days not knowing the ship operator who inspired him to take up radio in 1912 was sitting next to him - W1SS... 24.) Standing ovation to Bob and Nancy Merriam for the wonderful weekend...25.) coffee at a nearby restaurant then a mad dash back to the motel to look at ourselves on the late TV Newscast covering the museum opening...26.) Sunday morning with a group breakfast at an old waterfront Inn and hearing the wives say "I've had a wonderful time - maybe this radio hobby isn't so bad after all !!!!!!!!"



An interior view of the New England Wireless Museum. All equipment is laid out in precise order either by manufacturer or in chronological age groups....

OLD TIMER HEADS F.C.C. - the recent retirement of George Turner, W3AF, brought in another OT amateur to head the Field Engineering Bureau: Frank Krotokvil, W3BA. George speaks of a fine collection of early equipment used in enforcement work by old time radio inspectors. He hopes to see it on display in the lobby of the F.C.C. Building - if and when they have their own building.... W3AF was formerly 9DU, 9ZAD and W4CF !

PIONEER ADVENTURERS of Mike Caveney, VE3JG, pioneer Canadian Bush operator, is now in book form and has been broadcasted as a serial over SW Station WRUL of New York City. Terrific copy - it made vy gud listening. Mike says the book was never published - however, it is available for special occasions.



WL-210 STATION AT WJGB

All the equipment in this picture is currently on the air. Lower shelf: several 1928 and 1929 regenerative receivers. Center shelf: George Grammer's famous 1929 'single-control' TST xmr (left) and the 47 ktal osc. and 210 RF amp. job at right. Top: a SM-3 and a homebrew longwave rx.

Phil sees his big problem in building old gear is finding good paper condensers. Several other members hope to have 1929 xmtrs on the air this winter. WJGB will soon have a 210 on the air modulated by a pair of 250's in parallel (heising modulation)...KZVBS has a 2 tube job using 199's with G.R. coils and we hope to have something on 75 AM phone by Xmas....hv sht it fellows - and other early stations to join the net ?

TELEVISION HISTORIANS - the A.W.A. just received an interesting booklet with many illustrations from Peter Borsi... The book was published by Bell Labs in October 1927 and covers their television work at that time...along this same line...we also have a large scanning disc from Pete which we havent quite figured out...with each hole in the spiral - there was a coil ! Any ideas what the coils were for ? ? ?

CRYSTAL OSCILLATORS - the first practical development of piezoelectric resonators was done by W.G. Cady in 1918. Frequency control of a transmitter by this method was not used until 1922. By 1930, all BC stations as well as many amateur stations were ktal control. The original crystals used by WNY and 2XAD/2XAF (mid 20's) are now in the A.W.A. Museum.

Q.C.W.A. MEET - The Minneapolis/St. Paul "gang" were recently entertained when Joe Fuyek, WJGB, presented one of the A.W.A.'s film shows...Joe sees he plans to attend the 1965 Meet at WJJDV's....

A.R.R.L. CONVENTION

GREAT SUCCESS ! !

All who attended the 1964 A.R.R.L. Convention in New York agree it was tops ! Our club participated two ways - a large historical exhibit of member's equipment and an entertaining program in conjunction with the Old Old Timer's Club.

Highlights: Stan Zak (Convention Chairman) went all out to provide the A.W.A. with a large exhibit area consisting of 35 running feet. In this space the fellows crowded the 1996 Marconi replica transmitter/coherer, a 1/4 KW spk transmitter, a complete 1916 station, WJAN's 1922 xmr, a Grebe CR-3, a Beinartz tuner, Marconi 106, an IP-501, Deforest Multi-wave tuner, various loose couplers and other sundry items. The exhibit was one of the most popular judging from the large crowds that constantly surrounded the booth. The reason may have been that we were not selling anything and the display was quite different from the others. The booth was manned by WJGB, WJQY, KZBX, WJCTA and WJICB. The log indicated visitors from all districts plus Switzerland, France, Germany, England, Italy, Hawaii and many Latin American countries. A.W.A. members who stopped by included: WJICP, WJMF, KZBX, WJCTA, WJCYK, WJDTB, WJFQ, WJGB, WJAV, WJJB, WJXKD, WJLF, KZBF, KZPI, WJQO, WJMS, WJZI, WJGD, WJLFP, WJQY, WJYA, WJMF, WJZM, WJWB, WJZH, WJDF, WJAC, WJEWI, WJQKE, WJQKP, Ralph Batcher, Charles Henry, Frank Pagano, Harold Voorhis, Phil Weingarten and many others.

The convention provided an opportunity to renew old acquaintances and meet many new friends. WJZM, WJEWI and WJQKE were on hand to help us move the gear into the hotel (always a problem !) In the confusion we had a chance to say "hello" to John Huntoon, Dick Baldwin, Ed Handy, Ed Tilton, Sam Harris, Lou McCoy and the Whites from Headquarters as well as "Soupy" Groves (WJNW) from Texas and Don Wallace (WJAN). There were pleasant chats with Ralph Thomas (KJBUK), Dave Talley (WJFF), Noel Eaton, VE3CJ, and a blast of friendly greetings as Bill Halligan (WJAC) and Uncle Dave (WJAF) walked by. Ralph Batcher, Pres. of the Radio Club of America, noticed we had replaced the blownout plate blocking condenser in the 1922 rig with a modern one. Somewhere he dug up a 1922 replacement much to our surprise !

Phil Weingarten dropped off an ear-

ly Gernsback' publication for the "gang" to look at and we met Frank Pagano for the first time. Frank is a young deaf mute from Brooklyn having this handicap since birth. He is doing a terrific job collecting and restoring old broadcast sets. We believe he has one of the largest collections in the country and it was refreshing to meet a young fellow with such zeal.

We cannot begin to name all the old timers, OOTC and QWA members present - suffice to say, it was an occasion we wouldn't have missed for anything!

Program: Our portion of the program was climaxed when Bert Osborne, W4MF, acting as Chairman and President of the O.O.T.C., opened the Saturday afternoon OT session. In a short time there was only standing room with people standing out in the corridors looking in!

Bert, a friendly gentlesman from Tennessee, welcomed and recognized various OT's present by their years in the game and early affiliations. This was followed by the presentation of the revised show "120 YEARS OF BRASSFOUNDING"....the faltering adjustment of a Ford spark coil, the shrill pitch of a non-sync and the roar of a resonant rotary gap soon filled the room followed by raw AC and chirpy CW signals much to the delight of all present. The climax, however, was when old time movie slides from W6CH were flashed on the screen showing the trials and tribulations of a United Wireless Operator in 1910. Accompanied by fast moving piano music with occasional whine of an old violin, the audience was finally jarred out of their seats when the blaring spark signals CQD CQD were sent out by the hero! Audio gain wide open - it left the audience in a daze with people running down the corridor to find out what happened!

Pun? it sure was! See you at the next A.R.R.L. Convention.....

HISTORICAL PURCHASE - Paul Giganti with some assist recently picked up a nice collection of old equipment in New Jersey. In addition to the usual run of receivers, etc., there were quite a few early microphones and Ripkow scarning discs. We understand that W6QV may offer part of the collection for sale which is fortunate since most collectors are only interested on certain items and could not afford the entire lot.



W6ICE showing old time equipment to Mr. and Mrs. Clarence Tuksa, co-founder of the A.R.R.L. (foto-W6CTA)



Old Timers W6AMC, K2NP, W4MF, K2BX, Hal Voorhis and W2QY at A.W.A. Convention Booth.

VETERAN WIRELESS OPERATORS ASSOCIATION

have many members in the A.W.A. We keep in touch with this 'pro' OT organization through Tony Tamburino, K4BX, who is the scribe for the VWOA Column in "Wire & Communication" magazine.

Tony tells us about the fine Naval Historical Display located in the Washington, D.C. Navy Yard under the guidance of Capt. G.R. Keating. They are particularly interested in early Navy equipment and hope to have a typical "radio shack" on exhibit in the near future. If you have any unusual Navy gear of early vintage, drop him a line at: Bldg. 76, Navy Yard, Washington, D.C.

HEISING MODULATION - Raymond Heising developed the first "practical" radio telephone sets in 1917. The Army used the SCR-67 and 68 and the Navy the popular CW-936 - both employed a 'constant current modulating' system....

ANTIQUE PIONEERS CELEBRATE

by Eunice Thompson, WIMPP

Former employees of the American Radio and Research Corporation, known as AMRAD, to the number of 35 were entertained at the home of Mr. and Mrs. James L. Jenks at Winchester, Mass. on August 31, 1964. Wives and close relatives brought the total attendance to 62.

Short comments from each employee were recorded. These included Harold J. Power, Amrad founder (1915), Dr. Vannevar Bush who acted as consultant to the budding company and C.G. Smith, inventor of the "S" tube. Exhibits included specimens of early Amrad equipment and several panels of photographs.

Former employees, now currently active hams include WIAXP, WIRAY, WIRHD, WIDUN, KIDSW, WLIBB, WLIB, WLIB, WIMPP, WINS, WIPS, WIPZA, WIRH, WADH. Several of these were present. WIMPP and WIRHD were responsible for the 'spade work' (micro-FBI) extending over a year. The whereabouts of some fifty former employees are still sought. Over seventy have been located.

A.R.R.L./A.W.A. - our club recently sent the A.R.R.L. another film show for program material at affiliated A.R.R.L. clubs. It is a copy of the popular "120 Years of Brasspounding" and may be obtained for A.R.R.L. group showing by writing direct to A.R.R.L. Training Aids, Newington, Conn. The original film and tape track remains at Holcomb for special showings.

VERY OT WJAX - was made an Honorary Member of the Motor City Radio Club as a result of his appearance at the Dearborn OT Nite.



A.W.A. / QCWA MEMBERS AT DAYTON

Old timers KBUZ, W6JDV, WSDG and W6TE at the old gear exhibit at the Dayton Hamvention. (Tx- KBUZ)

"THE OLD TIMER'S BULLETIN"

A news bulletin printed for members of the Antique Wireless Association.

Editor: Bruce Kelley, W2ICE, ex-W2ACY

Pub. Editor: Larry Triggs, W2YHK

Published at Holcomb, N.Y.

ANTIQUÉ WIRELESS ASSOCIATION

A.R.R.L. Affiliate

An organization documenting the history and technology of wireless and the work of its pioneers.

President: George Batterson, W2GB
Vice-Pres.: Lincoln Cundall, W2QY
Secretary: Bruce Kelley, W2ICE
Directors: Clarence Dengler, W2LK
Charles Brelsford, W2CDA
Larry Triggs, W2YHK
Kenneth Gardner, W2BGN

Club Station: W2AN

Annual Dues: (including the "Old Timer's Bulletin", certificate and other benefits) - \$2.50 per year payable to Club Treasurer-
Lincoln Cundall, W2QY
69 Boulevard Parkway
Rochester 12, N.Y.

INFORMATION WANTED - Shortly after the turn of the century, Marconi presented several public wireless demonstrations in New York City area using the 'induction' method. Supposedly a stock selling gimmick, two coils, each three feet in diameter, were set up a reasonable distance apart. By induction, impulses generated in the first coil would be recorded in the second.....

Marconi gave the 2 coils to his friend Mignon who in turn gave them to his life long friend Father Dissert who in turn presented them to Alfred University.

The coils are now in the A.W.A.'s Museum as a gift from Harold Davis, W2SOQ of Alfred, N.Y. Anyone have information, reference, etc. on these early demonstrations? Any info would be appreciated.

ANTIQUÉ RADIO COLLECTORS - have you seen the cartoon in the October issue of "Popular Electronics"? If not, by all means try and get a copy. The artist really knew his business and knows how to "draw" a few laughs...suggest, however you don't show it to the XFL since it may only confirm certain suspicions.

(Tx- Jose Garcia)

OLD TIME HAM-ADS

Ads submitted by A.W.A. members for purchase or sale of old radio gear will be run without charge, provided the gear wanted or offered is 25 or more years old. The Editor reserves the right to reject any advertisement because of lack of available space in any given issue or for any cause he deems inimical to A.W.A. interests.

WANTED: Radiola 20,21,22,24. Also any sets made by Grebe for personal collection. Can use Radiola Grand, Senior, RS and AR, II,III,VI,IV,VII-B,IX. Ken Conrad, W2IIS, 5482 Crittenden Road, Akron, New York

SWAP - need 1920,1922,1923,1924 and 1929 Call Books..will swap other years plus cash for those listed. Also looking for 1921 and 1929 Pacific Radio News. Erv Rasmussen, W6YPM
Box 612, Redwood City, Calif.

SWAP - National FB-7 in good condition. Also have a National SW-3. Make offer. Warren Green, W7JY
7202 North Mercer Way, Mercer Island, Washington

WANTED - will pay fair price for any of the following: QST's Vol. 2, No. 4, 5 and 10. Also looking for a commercial made loosecoupler- preferably Chambers. A.G. Wentzel, W2HX, 318 Gardner Ave. Trenton 8, New Jersey

SWAP - magazines, etc. for 1917 and 1918 copies of "Every Engineering". Thom Mayes, W6AX, 21120 Sullivan Way, Saratoga, California

SWAP or SELL - several BC sets of the 20's, original WD-11's and many other items. "Poppy" Henry, W6PAW,
1935 Cloverfield Blvd., Santa Monica, California

FOR SALE - old books, Electrical and Wireless, 1899 to 1936. Also have old BC sets, new variometers and couplers plus many other unusual parts. Bill Laverty, 118 N. Wycombe, Lansdowne, Penna.

WANTED - early wireless stock certificates - will buy or swap. Vance Phillips, W6GH, 1010 Monte Drive, Santa Barbara, Calif.

SWAP or SELL - catalogs or manuals on Duck, Crosley, Fada, Kilbourne & Clark and others. Also have honeycomb coils and misc. hardware. Phil Weingarten, 67-61 Alderton St., Forest Hills 74, N.Y.

WANTED - info on David Grimes Model 5B receiver. Would especially like schematic for this 5 tube reflex. Ted Hannah, K3CUI, 11106 Bybee St., Silver Springs, Maryland

WANTED - set of plug-in coils for Hammarlund Comet Pro or winding info on these coils. Also want early ham equipment for collection. Dave McKenzie, K6SVJ
1200 W. Euclid, Indianola, Iowa

WANTED - Radiola I,II and III in good condition with tubes. Hallicrafter TV Model T54, National TV Model TV-7M, Skyriver TV Mod. 514 as well as Pilot 3" TV set. Ray De Vos, W2TAM,
140 Summit Ave., West Trenton, N.J.

SELL BOOKS and magazines - QST's from 1921 thru 1955, copies of General Radio Experimenter, Ballantine's book "Radio Telephony", Henley's, Robisons and others. Jessie York, Box 130, Downsville, N.Y.

WANTED - Electrosec insulators and books prior to 1922. Please state type, price and condition. Have some books for trade. Mike Emerson, W6QIP,
9766 E. Rio Honda Pkwy, El Monte, California

BIRWOOD GAP WANTED - I would like very much one of the bakelite rotary gaps that I manufactured in the early 20's...will pay any reasonable price. Les Benson, W6LZ, W4ZB
No. 4 Williamsburg, St. Louis 41, Mo.

FOR SALE - Gernsback's Radio Encyclopedia - have several NEW copies of this rare book of the 1920's. Very reasonable. Phil Weingarten,
67-61 Alderton St., Forest Hills, 74, N.Y.

LOOKING for early light bulbs. Am interested in hearing from you if you have a bulb with a tip. Floyd Lyons, Elks Club, 456 Post St., San Francisco, Calif. 94102

WANTED - a Grebe CR-16. Have all kinds of swapping material. Frank Pagano, 1835 W. 7th St. Brooklyn, New York

SALE - Early Crosley receiver Type 51 also other items. Frank Shannon, W3QR
1500 Massachusetts Ave., N.W. Washington, 5, D.C.



W2AN at the club's museum. The transmitter is at the upper left with the 36 jar chemical rectifier immediately underneath. The lower deck includes several banks of wet "E" batteries and an ESCO motor-generator set. The receiving equipment is at the right and the 1000 watt sync rotary spark transmitter is just out of sight at the far right. Station description is on the QSL card. Present operation is confined to 160 meters. (Photo-WA2HFO)

**Wireless Station 2AN
ANTIQUE WIRELESS ASSN. HISTORICAL AMATEUR MUSEUM
HOLCOMB, NEW YORK**

Radio..... Ur 20' 15W₂ sigs 1125 at 1922
 Audibility QSS QRM QRN Tone Wave
 Spk Xmr: 1Kw. Thor., glass plate cond. in oil, flat OT, 4 point sink rotary
 Tube Xmr: UV-202 Hartley osc., UV-202 buff., UV-203 amp. 50w. inp.
 UV-201 as UV-202 speech amp., UV-203 heising mod. wid
 Fed. SB mike. Pwr supply CRAC wid 36 jars as ESCO MG set
 Aerial: 220 ft. flat-top wid 4 wire counterpoise. Electrose insulators
 Receivers: Grebe CR-13. Det. as 1 step. IP-501A 'standby' Baldie Jones
 George Batterson, W2GB, President and Trustee
 QSL direct to: Bruce Kelley W2ICE, Sec., Main St., Holcomb, New York

ON THE COLLECTOR'S SHELF

FRANK NICHOLS, W9AKH, hit the jackpot with a DeForest Interpanel set, a Kennedy 110, Tuska 225, G.R. Wave-meter 27 $\frac{1}{2}$, Radison electrolytic detector, a Harkness reflex and a De forest "H" tube.....

DAVE MCKENZIE, W6VJ places a DeForest Type OT-3 radiophone and a Type DR-6 Sodian receiving set on his shelf....

JACK HAGGERTY - found some early BC sets plus several rare horn speakers including a rare Amplion AB-114.

JOE PAVEK, W9OEP - has a Kennedy 220 and a Freed-Eiseman "Marvel" crystal set. Joe has a new 12 foot showcase for his museum but it is so large he can't get it in !

BOB O'NEIL, W2AXE - hard to believe but an 'ad' in the local newspaper hit the 'jackpot' ! A fellow called and said he had an old receiver in his attic...on investigation he found a MARCONI 106 ! At another house he found a Scott Super 26 tube job in a beautiful cabinet - cost \$950 - Bob paid \$20 !

JOHN BAUM, W2VZS, fell into a nice collection of landline instruments - keys, relays and sounders. In addition, John picked up a receiver in fb condx using a 32-30-33.

FLOYD LYONS - was the lucky fellow who got the Fleming valve advertised in the bulletin a few issues back !

FRANK PAGANO - now has a DeForest interpanel set, a Zenith 2R 4R and 10 other BC sets including 2 battery consoles. Frank is soon going to run out of room !

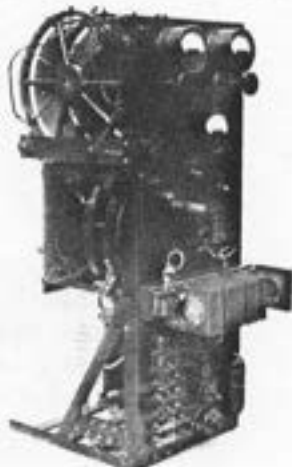
EDW RASMUSSEN - W6YPM adds an IP-500 plus many other 'goodies' including a collection of "RADIO" magazines in excellent condition.

WARREN GREEN - W7JY - has all the components now for a 1 KW amateur spark transmitter of 1914 era except the oscillation transformer. Warren says he will swap a Kolster Decimeter for a good OT...here's a gud deal for someone....

HILL LAVERKY - adds 3 more Kennedys, a Grebe, etc., however, the Mignon and the DeForest panel set are still the 'eyecatchers'....

FRED PERARD - latched onto an AMRAD crystal set plus quite a few rare catalogs and books....

EARLE YOUNG - added a rare "M" tube to his collection. This tube, manufactured by W.E. in 1915, was one of the first repeater tubes used for trans-continental service. Another rare one for Earle is a 3 stage Loewe valve. This German tube was manufactured in the 1920's and consists of 3 triodes plus ALL resistors and condensers to make a 3 stage audio amplifier in ONE glass envelope !



AMRAD QUENCH SPARK SET AT W7JY

Very popular toward the end of WWI and the early 20's, it bears close resemblance to several models manufactured by Wireless Speciality and Marconi. Warren tells us that Bob Palmer modified a couple of these sets for tube operation and sent them up to Alaska back in the 20's.....

W6JVD MUSEUM - Jack is going all out to finish his museum before winter sets in....At one time Jack and Ruth were very active in Scouting (they both received the highest Scout Award possible in the State) and erected a building near their house as a Scout Lodge complete with knotty pine and fireplace.

The building is now Jack's Museum. Many of you may have an opportunity to see it since the 1965 National AWA Meet is tentatively planned at this location.....

SALUTE TO MARCONI - a monument with plaque was recently erected on the site of Marconi's pioneer station at Highlands, New Jersey (Twinlights). It was at this location that Marconi received signals of the American Cup Races in October, 1899. (Tux-W2Q0)

GENIUS AT WORK

by the Bookworm

Heinrich Hertz, while most famous for his experiments with electric waves, also wrote some eighteen outstanding technical papers on a number of scientific topics. He is generally credited with being the principal inventor of Wireless, but we must also credit him as the originator of an additional branch of science.

While he was working with his sending oscillator and a receiver equipped with a spark-gap detector, he observed that the sensitivity of his receiver decreased when he moved his equipment so that a wall prevented his receiving equipment from "seeing" his transmitter. Now, in ninety-nine cases out of a hundred, the experimenter would simply have moved his apparatus back to its best position and forgotten the matter. But not Hertz!

In his scientific report on his electric wave experiments he included references to the incident mentioned above and went on: "I have given special study to this phenomenon and intend to publish my findings in a separate paper." Publish he did, in 1887. Hertz had found that the ultra-violet component in the spark of his sending gap had the ability to reduce the resistance of the gap in his receiver. Thus Hertz became the Founder of a new-born science: Photo-electricity!

STURBLESFIELD - several members including Jack Haggerty have written regarding this early pioneer but the most complete info comes from Ralph Dorris. We plan to have a summary on this early inventor in a future issue - but we warn you - we question the word "wireless" as applied to his invention - and above all - we don't feel he should be called the "Father of Radio" !!

HEADPHONE LISTING - George Applegate's list of double headset manufacturers drew several letters with additional names. Russ Hanselman (Oak Park, Ill.) tells us that a note by J. Marsten in the January, 1923 issue of Radio News states there were "100 different manufacturers in the last half of 1922 !

HARVARD USN RADIO SCHOOL - word comes in of another member who attended this WVI School - Jasper Meshaw, 239 Davie Drive, Wilmington, North Carolina. A varied career, he also served aboard the USS Seminole and was at Norfolk and Hampton Roads. He would like to hear from fellows who may have served with him....

SOUTH WELFLEET - as the result of a request from the National Park Service, Dept. of Interior, Washington, D.C., the A.W.A. sent a tape recording of simulated spark signals (including WJEE's preamble to WCC) for use at the Park Building at the Cape Cod Park site. Like most government agencies, they never bothered to acknowledge the receipt of the tape. If any A.W.A. member should visit South Wellfleet and hear the tape playback - please let us know....along this same line we received a note and foto from Jim Burns, WJEOU, who said there was a constant line at the exhibit looking at WJEOU's model !

A.R.R.L. PLEDG - just received a large official looking pamphlet from Lou Hardy, W2GO (who seems to have a knack of constantly finding things) which was prepared by the A.R.R.L. in 1936 concerning the need for more amateur bands.

Addressed to the Federal Communication Commission and written by K.B. Warner, Ed Handy and Ross Bull and marked "Docket No. 3929", it is one of the most thorough presentations of amateur activities we have seen.

As a historical document, it covers the amateur's work from the earliest days citing his many accomplishments in the technical and communication field and concluding with a plea for the F.C.C. to allocate more frequencies for amateur operation. (Note: The pamphlet is available to members doing research work or writing an article.)

NAA - ARLINGTON - Jim Burns, WJEOU, unearthed a rare item up in his attic recently..while going thru some old material he found an old post card dated February, 1915 showing NAA. With the picture was a description of the station describing the 3 towers, the range (2000 miles - daytime and 3000 miles - night) and lastly, the station cost - \$250,000. How many other members have one of these rare postcards ?

SINGLE SIDE BAND - is older than you think. The first successful bandpass filter for singleside band was worked out by G.A. Campbell in 1909 and was first used on wire carrier systems !

ITEM - When Col. Irvin Weir, K2POI, of GE, addressed the annual A.W.A. banquet in Rochester some time back, he recalled a meeting with Marconi on the yacht "Elettra" while he was delivering a couple of high power experimental transmitting tubes from Rocky Point for Marconi's inspection. After being grabbed at the ship's rail by a guard and then turned over to the captain, Weir finally convinced them he was on a legitimate errand and was permitted to enter the great cabin where Marconi sat at a desk--the embodiment of an English gentleman complete with Bond St. tailoring, monocle and English accent, rather than the "Italian" Weir was expecting to meet. Although Weir was, in his own words "only a messenger", Marconi soon found out that Weir--who was an engineer at Rocky Point--knew all there was to know about operating the new tubes. Marconi's cold reserve soon melted and he kept Weir in conversation the whole afternoon and wound up serving high tea!

Col. Weir took advantage of his opportunity and turned the conversation to personal matters as often as possible, including the story of how Marconi got started in wireless. Contrary to most published accounts, according to Weir, Marconi said he didn't get any appreciable help from his father until he sold his first patent. After that, according to Marconi, the pater was willing to put up all the money needed. Marconi, said Weir, referred to his father as a "banker" and said that his father was always disappointed that he, Marconi, did not take up the profession himself.

Weir asked Marconi why he went clear up to a God-forsaken spot in New Foundland to make his first Transatlantic test. Marconi replied, says Weir, that it was in order to be close to direct cable communications with Poldhu--the latter also being a cable-head. By inference, St. Johns was as close to Poldhu as one could get and still have cable communications.

"Just what did you do--what did you think when you heard that letter 'S'," asked Weir. According to Weir, Marconi said he didn't trust his ears. He was so afraid he was just "wishing" it to be true and that he was only imagining it, that he had Poldhu (via cable) send it over and over again "for hours", that he had them send an "R" also for still more hours. And only after "pinching himself", says Weir, did Marconi finally cable England the news. According to Weir, Marconi indicated that it was many hours after the first "S" before he made the announcement.

NEW A.W.A. GEAR

Transmitting equipment- W2LFR, W3CDY, W2GNC, Morgan Rich Receivers- W2JYL, W2MCC, W3CDY, W2EY, W2OPC, W2LIE, W2PVK, Misc. gear - K2AKE, W3YA, W2EIQ, W2LK, W2EPO, Ralph Batcher, Peter Borsi, Frank Pagano.
Historical material- W3CDY, Ralph Dorris, Gerald Tyne.
Books- W2QO, W2PFR, W3LWP, Peter Borsi, Ed Cummings.
Tubes- W2JYL, W2EEN, H. Schrader
Speakers- W2MCC, W2JYL
Mike and Keys- W1WI, W9IOP

HALLICRAFTER LISTING - "Cappy", W9QKE, just sent a complete list of all receivers manufactured by Hallicrafter. Consisting of several pages in fine print - it starts in 1931 and lists chronologically each receiver, model number, name, year, brief description and price.

The list is invaluable to the amateur historian and represents a tremendous job on someone's part gathering the information.

MAINE- George Sterling, W1AE, although retired, seems very much alive. When not in the lobster business, he works in a little time to write articles and a book...(see Spark Gap Times). The technical book he wrote in the 20's is still a classic for the historian and now a collector's item!

H.W. SULLIVAN - early instrument maker? Yes, his company made many pieces of early equipment between 1910 and 1918. His office was in London and the plant in Middlesex, England. (Tax- C.Senry)

HONEYCOMB COILS - article in recent OTB by Ed Cummings brought forth a note from Phil Weingarten stating the complete history of this coil can be found in the November, 1920 issue of "Radio News". A check indicated Phil was right; in fact, the article is exceptionally well written with complete details on development, etc.

A.W.A./W2JUV/GOLDWATER - we tie these three very nicely together by saying that somehow or another, Barry Goldwater found a copy of the A.W.A. Bulletin which contained W2JUV's article "The Grebe Story".....Seems the article brought back memories to Barry, K7UGA, since he owned a Grebe back in the 20's. Result: Jack received a nice letter from K7UGA complimenting him on the article. Barry admits that somehow the receiver was "lost in the shuffle"!

F.C.C. MOVES IN ON W2AN

The above headline isn't as bad as you think - however, it is true 14 top F.C.C. Officials visited W2AN in the A.W.A.'s barn museum during the past summer.

The occasion was a special F.C.C. meeting at the Government Monitoring Station at nearby Canandaigua. For want of evening entertainment, El Sanders, W2AKU (Engineer in Charge) suggested they visit the nearby radio museum.

The group spent several hours looking at old equipment and reminiscing. We may be wrong, but it is possible this is the largest assembly of F.C.C. "brass" ever to view an amateur station at one time. What do you think? The visitors were:

F.C.C. Officers from Washington, D.C.

George Turner, Chief Field Eng. Bureau
Delbert Flint, Chief Man Power Div.
Pat Scanlon, Asst. Chief Field Oper.
Ivan Lorenzen, Asst. Chief Monit. Div.
Monitoring Station Heads

Mr. Boll, Allegan, Michigan
Mr. Johnson, Laurel, Maryland
Mr. Standish, Winter Harbor, Maine
Mr. Sanders, Canandaigua, New York
District Office Heads

Mr. Macey, Baltimore, Maryland
Mr. Hallenstein, Boston, Massachusetts
Mr. Spencer, Buffalo, New York
Mr. Cotton, Detroit, Michigan
Mr. Kiser, New York, New York
Mr. Roberts, Philadelphia, Penna.

Signatures in the visitor's book indicated just about everyone had an amateur call!

(* George Turner has since retired)

BILL TRAVERS - recently moved and found it took five (5) 900 mile trips in a 3/4 ton pickup truck to move his collection of early wireless gear plus more in 2 van loads! Many of his friends may want his new address - it is:
Bill Travers, P.O. Box 365,
Pollock Pines, Calif.

A.W.A. MEMBERSHIP LIST - several have asked for a list of members.. A list has never been printed. W2QY, Treasurer, keeps a card file and W2ICE (Secretary) retains application forms. If time permits, we may have one in the future..we will print, however, a roster of all amateur "museums" sometime this winter.....

AVAILABLE

Back copies of the OLD TIMER'S BULLETIN...5 for \$1 postpaid..

Available copies:

Volume No. 2, Issue No. 3 and 5	
3	2 and 3
4	1, 2 and 4
5	1 and 2

Write W2ICE and state which copies you are interested in..all copies other than those noted above are out of print and NOT available.

SCOUT BOOKS - John Baum, K2VZB, suggests book collectors should not overlook the early scout books which frequently describe early receivers and transmitters.

RCA LAWSUIT - a Portland, Oregon, housewife recently sued RCA for recovery of \$250,000 worth of stock that she inherited from a great uncle. Seems her uncle, a sheep raiser from Idaho, once bought some stock in United Wireless before 1910. Radio historians can follow the story from there - needless to say, her claim was not upheld in court - hi!
(Tx - Dexter Bartlett)

MASSACHUSETTS COLLECTOR - Fred Pezard of Norwood, Mass., normally concentrates on tubes, however, a recent letter from Fred states he has 20 receivers made prior to 1924...another museum in the making.

TRAVELER - many of our members have done some traveling in the "East"; however, for some other kind of traveling - try and follow W2ZL/W4ZL...Harold retired a couple years ago and has driven 68000 miles dragging his 28 foot trailer..his itinerary includes 4 caravan tours to Mexico!



The "OLD MAN"

W2WEM as the "Old Man" at the recent Wouff Hong initiation at the Pacific A.R.R.L. Convention. "Temp" was also Chairman at the recent Oakland OT Nite.

SILENT KEYS

EMER BUCHER, 78, June 15, 1964

He became interested in wireless in 1901 as an amateur. Two years later he joined Deforest Wireless and Telegraph Co. and remained in the commercial field working for such companies as Marconi and RCA until retirement. To the historian, he is best known for the several technical books he wrote during and immediately following the first war.

(Sorry we're late on this notice but the last OTS was in press when word was received - tx W2QO)

CAPT. JOHN REINARTZ, 70, Oct. 5, at Ft. Ord, Calif. K5BJ, ex-1GP, "The Grand Old Man" of amateur radio became a silent key after a brief illness. The work of this early pioneer is familiar to all. Through the efforts of Temp Campbell, W6ELW, we are very fortunate to have here at A.W.A. the original and only lengthy personal tape interview ever made on Reinartz's life..

FRANKLIN INSTITUTE - our organization recently received several fine pieces of radio equipment from this well known organization for display purposes. Fortunately, the Display Chairman at the Institute is an old timer, Lloyd Sherman, W3CQY, who appreciates early equipment and likes to have it on exhibit. The old gear is on a loan basis since the Institute haven't display facilities at this time.

Members of the A.W.A. have cleaned up several receivers and replaced necessary components. One of the nicest items is a Leutz Super-het inclosed in glass which was recently shown at the Rhode Island meet.

The full name of the organization is The Franklin Institute Science Museum (Philadelphia) which was founded in 1824. It is ranked as one of the leading science museums in the country with emphasis toward scientific studies. The Institute offers educational courses including a summer workshop. Amateur radio is not neglected either - one can find a very modern station in operation (W3YKQ) with OT W3ADV acting trustee. If in the Philadelphia area - be sure and stop in.....

LAST BC RECEIVER using 201-A's may have been the HALSON "DIAMOND", Model 615. It came out in 1932 or 33 and used 5 01-A's and 1-33. A depression receiver, it operated on 110 volts D.C.

(tax - Frank Pagano)

Mahlon Loomis Birth of Wireless

Two of our AWA members, Thomas Appleby and George Applegate, are writing a book about the legendary wireless inventor, Mahlon Loomis. Dr. Loomis, a dentist, was engaged in experiments for a number of years, starting in the year 1864, and later set up two stations 18 miles apart in the Blue Ridge Mountains of Virginia. Tom and George have been digging up, over the past several years, some surprising information concerning Loomis' work. The American Dental Association, learning of the projected book, has sponsored Tom and George in a Loomis Exhibit which will be a part of the huge American Dental Association Convention to be held in San Francisco from November 9th to 12th of this year. The authors hope that their book, tentatively titled "Mahlon Loomis - Birth of Wireless", will be in print this year since 1964 is the Hundredth Anniversary of the inception of Loomis' work.

DID YOU KNOW - - -

DR. EDWARD WESTON (1850-1936), founder of the Weston Electrical Instrument Corp., attributed his success to the discovery of a metal that had a negligible temperature coefficient ?

In 1884 he discovered that the resistance of a combination of manganese-copper-nickel alloys remained almost constant when current passed thru it. This startled the scientific world at the time since it was assumed that as the temperature increased (current) the resistance would go up.

Dr. Weston also invented the cadmium or Weston Cell in 1892. In 1908, it received world wide acceptance as the "standard" or benchmark for all measurements. The cell delivers 1.0184 International Volts @ 20 centigrade. (Ed. note: We have one of these cells in the A.W.A. Museum.)

WEST COAST LIBRARY - another fellow who is building up a fine historical library is Mike Emerson, W6IQP. His collection includes everything from early radio fiction such as the "Radio Boys" series thru to early Bobisons. Keep him in mind if you want to do some swapping...Mike Emerson, W6QIP, 9766 E. Rio Hondo Parkway, El Monte, California.