

THE OLD TIMER'S BULLETIN

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

Vol. 4

SUMMER 1963

No. 2

ACTIVITIES: The recent Old Timer's Nite at Dearborn attracted 1000 interested amateurs and wives. Our host, Frank Davis as usual, went all out to provide a perfect day for the 'gang'. Playback recordings of early pioneers such as Ed Armstrong, E.F.W. Alexanderson, John Reinartz and Hugo Gernsback plus a demonstration of a coherer by WQGH provided ample after luncheon entertainment...

The evening was highlighted with a talk by "Bill" Balligian, WJAC, and our new A.R.R.L. President Herbert Hoover, Jr., WQGH, both who proved they knew their business. We took a couple snapshots of Bill sitting at a mock 1921 Broadcast station setup but unfortunately neglected to photograph WQGH operating WSPX's rotary spark set!

"Open House" at the club's barn museum (May 11) drew a record crowd in spite of chilly weather. A surprising number also showed up at the A.W.A. luncheon (between 80 to 90) where they had an opportunity to meet OT Geo. Grummer, WJDF from A.R.R.L. Bqtrs., Director WJYA and to hear Ed Redington, WAZM tell some amusing anecdotes of by gone days...

EASTERN TRIP - another amateur historian who made the 'eastern circuit' recently was WJJDV. Stopping at WJAH, he next visited Holcomb where he got-together with Earl Young and yours truly. moving east again, Jack stopped and viewed Yates Hoag's fine collection of BC sets and from there onto N.Y.C. where he picked up lotsa ole gear including a Grebe with det. es 2 step amp. He also visited Al Grebe's son while in the area. The trip was rounded off by visiting the fellows thru New Jersey...

100 KW BOTTLE used in the final at old WJW's 500 KW BC xmt'r was recently added to the club's tube collection by WJJDV. Jack was glad to leave it at the museum since it covered the entire back seat of his car!



U.S.S. DENVER 1904

This rare photo of a wireless shack taken almost 60 years ago was sent to us by J. W. Jones. The operator is Maurice Mason, Chief Radioman (Ret., U.S.Navy) better known as 'Pop'.

'Pop', who is now in his 80's, lives in Washington, D.C. and gave JW the following info: The transmitter was a 1.5 K.W. Slaty-Arco operating between 200 and 800 meters. The receiver was a "decoherent coherer" (sic)...note the mandolin!

NICKELORON GLASS SLIDES made about 1910 or even earlier are being copied for WQGH. These old slides were projected during "reel changes" and depicts the loves and trials of an United Wireless Operator while at sea. Beautiful copy, it shows the operator in the wireless shack using a Type 'D' tuner, the buzzer 'gal' and of course - the sending of a CQD! Vance used the slides at a QCW meet where they met great success. They will be available for future A.W.A. programs.

V.W.O.A. - we find several of our members as Officers (Harvey Butt and Frank Shannon) and Karl Kreck, WJIG, as a new member. Karl's record includes serving on several ships with Marconi wireless installations pre-WWI. First ham call was 2RR around 1913 and still at it!

ANTIQUÉ WIRELESS ASSOCIATION

A.R.S.L. Affiliate

An amateur organization interested in the history of early wireless...

Annual dues: (including the "Old Timer's Bulletin", Certificate and other benefits) - \$2.50 per year payable to Club Treasurer-

Lincoln A. Cundall, W2QY
69 Boulevard Parkway
Rochester 12, New York

"OLD TIMER'S BULLETIN":

Editor: Bruce Kelley, W2ICE
Main Street, Holcomb, N.Y.
Publishing Editor: Larry Triggs,
W2YBK



CANADIAN 30G

This interesting photo shows Mike's radio shack in a Northern Ontario mining camp 40 years ago. At the right we see the xstr which used 4 UV-202s on CW and 2 as osc. es the other 2 as mod. wen on fone. The call pwr source being 110 v. DC, Mike chopped up ole car batteries es placed part of the elements in 400 glass test tubes which gave him 600 volts ! Thru a switching arrangement he could parallel part of the huge bank of test tube batteries and charge them.

The rx was a Reinartz spider web job with 1 step audio. Length of qso's were limited because of small rating of the batteries; however, he made mani notable contacts including finding WHP es VIM wen their ships were lost. (See Sept., 1924 QST)

Ve30G visited the 'shack' 30 years later and found the place in ruins... Fond memories Mike !

BIRTH OF BROADCASTING is the title of a new book by Asa Briggs. It is the history of broadcasting in the United Kingdom. Printed by the Oxford University Press, New York, the price is \$10.00, and well worth the price to the serious radio historian. (Curly England)

CW ON A CRYSTAL SET - we expected a few would ask this question when they saw the rules for the Receiving Contest in the last OTB.....Easy sees W2AX: look on page 227 of Bucher's 1917 "Practical Wireless Telegraphy", or his 1920 Edition of the "Wireless Experimenter" (p. 243) or try Morecroft's (1921) pages 620 thru 634 for the full story !

W2QY has already built a 'tikker' and may soon try a tone wheel. Results later.

DOUBLE WING AUDIODE was recently received from KESSE. Tube collectors will find it of interest since the construction appears different than other double plate audions. (now in Museum show case.)

OUR EDITORIAL PHILOSOPHY is based on what members say they most like to read in the Bulletin. Make sense? It all breaks down into two very general areas: (1) News of what's going on in antique wireless collecting, investigating, and socializing and (2) Facts about old-time wireless gear, history and practices (and some landline lore, too!) not readily to be found in current books or periodicals.

Everyone is urged to send in news and facts of this nature. We find we just haven't room in the Bulletin to accommodate the pure "remembrance" type of article--unless it's packed with historical fact not generally known. And, please, when you do write, type it double-space, will you? Makes it easy for us to read--and to edit or fix up where needed. The latter is a prerogative we must cling to--in the interest of brevity, clarity and completeness of meaning.

-- W2ICE

SHORE LISTING in last OTB has a correction on the New York Navy Yard Call "PT" with a 15 KW Stone installation. Lloyd Ypenschied tells us the transmitter never went on the air which was a keen disappointment to John Stone Stone.

Lloyd was active in those days and remembers well the activity in the NYC area....

OF TRAVELER IN THE EAST is W2QV, who with an entire team of radio hams, helped a brother amateur see the light..wonder if that rotary spk set was fired up for the occasion ! (Tux Harold Voorhis)

SPARK ACROSS GAP BEGAN WIRELESS

by Tom Appleby, W3AX

It may be of interest to members of the Antique Wireless Association to know that if any one thing accounts for the invention or discovery of Wireless it was the 'spark' across a spark-gap that surprised Heinrich Hertz during his researches in 1886 when he discovered that if a spark had to 'spring' across a gap in discharging a charged circuit containing capacity and inductance it would cause high frequency oscillations to be produced in the circuit and electromagnetic waves to be radiated in space. He thus confirmed the earlier theory of James Clerk Maxwell that such waves could exist in space. Hertz detected the oscillations by means of a micro-sparkgap and a revolving mirror.

It amazes me how those fellows arrived at such definite conclusions when they had none of the measuring instruments that we use today. Hertz also found that high frequency waves travel slower in conductors than in space merely by observing the nodes by means of his micro spark gap along a parallel pair of conductors and comparing them with visible nodes of the same currents in a partially evacuated glass tube. From the observed different positions of the nodes he calculated the relative velocities!

COLLECTION LIST of Curly and May England (Los Angeles) looks like a catalog of the 1920s! Their two car garage became full and they had to add a 10 foot extension to the rear. The equipment is beautifully displayed and visitors are welcomed. The latest in the broadcast line is a 23 tube Scott - just like new!

Curly use to be quite active as a VEJ pre-WWII. We note, for an example, they were both active in the 1939 A.R.R.L. DX Contest - hi!

BOOK REVIEW: "Eison" by Josephson.... A commendable account of an individual who, without advantage of formal training and with only the desire of making ours a better world in which to live, probably reshaped our way of life more than any other single individual. His satisfaction was purely in accomplishment and competition served as a catalyst in achieving those accomplishments.

The presentation serves as a grim reminder of how some people use others to their own advantage; how progress can and is frequently stifled in the interest of money-making; and how the lack of monopoly control can result in unfair and uncompetitive practices.

- - - Ralph Yeandle, W2STY

GOVERNMENT PUBLICATIONS

The No. 2 Bulletin by James King concerning the "Telegraph and Telephone" as mentioned in the last OTB on page 6 received many favorable comments. Here's the scoop on two others. No. 1 concerns "Primary Cells" and No. 3 covers "Early Arc Lighting and Generators" Both are written by James King and are good buy for 70¢ each.

Another one to come to our attention (Vance Phillips, W6GH) is the "Radio Laws of the United States" which covers all radio laws from 1910 to date including the famous one of 1912. Good historical material. This one is likewise available from the Government Printing Office for 70¢

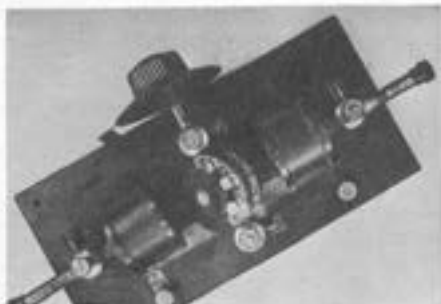
HAWKINS ELECTRICAL GUIDE by Audel, Vol. 8 (1914) and Vol. 9 (1917) has 75 pages of early wireless info! Don't let these electrical books slip by when browsing in your favorite used book store says Wayne Nelson, W4AA.

IP-500 and IP503 loading coil are new items at W4AA plus the original microphone used by Admiral Byrd in 1934 when at the time of his rescue at the weather outpost!

LIFE OF ALEXANDER BELL very well written in the April issue of Readers Digest.

INSIDE COVER of old wireless book recently purchased by Curly England in old book store has written the original owner's name: A. Parkhurst, United Fruit Co., Wireless Station, New Orleans, La.

The name sounds familiar - maybe Zip Jones or Lou Gallo can shed some light..



MYSTERY PHOTO

This odd piece of gear was recently acquired by John Allender along with some other early radio equipment. He has been unable to identify it. Do you recognize it? If so, send him a note to 901 Overbrook Rd., Baltimore, Md.

RADIO ASTRONOMY AT HECTOMETER WAVES is the latest assignment for Grote Heber, our fellow historian who is now located at Hobart, Tasmania. Grote says that near the equinoxes the signals from North America frequently roll in during the early hours. The path eastward is darkness to dawn to U.S.A. WNU, 2084 kc, at Slidell, La. and WCC, 2036 kc., Chatham, Mass. are frequently heard. Conditions are somewhat similar to what they were in the middle 20's...if any of you old timers have log books of that period showing DX heard at these frequencies - drop him a line: Grote Heber, C.S.I.R.O., Stowell Ave., Hobart, Tasmania, Australia

END OF SPARK - the use of spark transmitters was legally banned by International Convention agreement and its use prohibited after 1940.

WD-11 to UX ADAPTERS - trying to get that old Radiola III or III-A to operate using adapters? Frank Pagano reports that the No-Aid W21X adapters frequently have open connections. Check the rivet connections.

HOLLIS BAIRD - television pioneer, is now a Professor and Dept. Chairman of Electronics Engineering at Northeastern University, Boston, Mass. Fred Fenard sent us this info along with a publication titled "The Romance of Short Waves and Television" written by Baird back in the early '30s...Good material for the TV historian...

HORN SPEAKER appears to be a rare item to KEVZS. John has a large collection of early gear - both amateur and commercial...some choice items I might say, but he just can't put his finger on a horn speaker...can anyone help him out?

First National Get-Together

AMATEUR HISTORIANS AND COLLECTORS

SATURDAY, AUGUST 17, 1963

HOLCOMB, NEW YORK

FRIDAY 8 P.M.

Private viewing of historical movie taken of Tuckerton and other Transatlantic Stations while in operation many years ago.

SATURDAY 10:00 A.M. - 2:00 P.M. (at nearby Canandaigua)

Demonstrations and Exhibit of Antique Steam Engines, Models and other Historical Mechanical Devices. New York Steam Engine Assn. Annual Meet.

2:00 P.M. - 3:00 P.M. (Holcomb, N.Y.)

Open House at Club's Historical Barn Museum

3:00 P.M. - 3:30 P.M.

Demonstrations and Operation of early Wireless Equipment:

1900 Coherer and de-coherer

1910 Magnetic detector

1912 spark transmitter using electrolytic ~~detector~~

'Tikker' wheel

1/4 and 1 K.W. rotary spark transmitters

3:30 P.M. - 5:00 P.M.

Report on Historical Activities

Each historian or collector will give a brief report on their activity and display equipment if convenient. Many amateur historians plan to attend from distant points and bring with them interesting and fascinating pieces of old gear. Here are a few who will present their 'paper':

Will Andrews (W2ONE) Official Historian for the Morse Club of America
Gene Kerns (Milwaukee, Wis.) Well known Mid-west collector.

Clarence Dengler, (W2IX) Official Historian for the N.O.A.P.S.C.
and many other historians and collectors of receivers, tubes and books.

NEWS ITEM: CLAPP-EASTHAM - while reading the V.W.O.A. report in the Wire and Radio Communication magazine we ran into an item which might be of interest to the amateur historian - a letter from James Clapp, son of the founder of the Clapp-Eastham Co., who gave a brief account of its history.

His father and Melville Eastham formed the company around 1909; however, by 1913 both had left it. Clapp went into other electrical fields and Eastham formed the General Radio Co. (1915) The Clapp-Eastham Co. remained in operation until the early 20's under the guidance of a fellow named Luscom. (See page 3, Vol.2, No. 2, OTB)

OT NITE CLEVELAND (June 11) featured W6QV's 1/2 K.W. spark transmitter and some slides from the A.W.A. (Please keep us posted on all OT gatherings...)

FEDERAL COLLECTION - an unusually fine collection of old Federal receivers is being built up by Frank Pagano. He has most of the popular tube models and only needs their crystal set and a few others to complete the series. He would like to hear from other Federal "connoisseurs". (Ed. note: we plan to have an article on the Federal Co. in the near future and we happen to know that W6QEP has a Federal crystal set !)

WEST COAST appears to be the stronghold for historical radio gear. All info from W6 and W7 land indicate that the fellows know what they want AND FIND IT ! As an example, Bill Traver is building up a real fine collection which includes 3 1000 watt spark transmitters and several of lesser power. Hope to have a foto from Bill soon showing some of this fo' equipment.

5:00 P.M. - 6:00 P.M.

Question and Answer Period. General Discussion on historical subjects.

7:00 P.M. BANQUET at the famous Hollaway House, East Bloomfield, N.Y.

8:00 P.M.

LOYD REBERSCHIED

Nationally known Historian, Pioneer Amateur ("XY" 1905)
Ret. Professional Engineer, Bell Laboratories
Former Wireless Operator for United Wireless (1907/1908)
and Asst. Engineer for Telefunken Wireless Co. (1910)

"Lloyd, a charming personality, will reminisce about the 'ole days and tell stories about 'Heroes' and 'Knaves' as he knew them....."

ED BASER

Top Historian and collector of rare wireless equipment.
Radio Officer, New Jersey State Police, Amateur since 1910
Operator Marconi Wireless Telegraph Co. (1917), Pioneer
Broadcast Station Engineer (WMAJ, 1922)

"Ed will give us the real 'low down' on collecting historical equipment. He will summarize the present activities and show some of the keys from his world famous collection....."

Master of Ceremonies: Dr. C.J. Stauf, K2DQ, ex-8AP

Vice-President and Director of Research, Eastman Kodak Co.

ADVANCE RESERVATIONS ONLY ! !

\$4.25 per person payable to A.W.A. Treasurer:

Lincoln Cundall, W2QY
69 Boulevard Parkway
Rochester 12, New York



COLLECTION IN FOUR DAYS

The majority of the receivers in the above photo were collected by KLAXA in less than 4 days when he sent out an appeal for old broadcast sets prior to 1925 to exhibit at the recent Rochester Home Show. It proves that old BC sets are plentiful if you want to look for them. The prize of the lot was a large DeForest panel set with 18 units! Other choice items were an early Clepp-Eastman crystal set, Eria reflex, Federal, etc. Bill, incidentally, is the owner and manager of WHAM. He started out as a WJ, then KLAXA and may soon be a '2'. Where are the sets going? Eventually to the club's museum, of course, for display!

If interested in old battery BC sets, we suggest you attend country auctions. As a general rule, there is little interest in this type of merchandise and one can pick up an old 5 tube neotrodyns every now and then for a buck or two. Old radio stores can frequently be a source of commercial gear. WJJDV just reported finding a Kolster Decrometer without case for only \$3 and on a recent trip to N.Y.C. we found a WWI Wave-meter using a crystal detector in olive drab box plus a 1918 surplus receiver - both for \$6.00! However, remember, these 'buys' don't come to you - it requires a little work on your part....

FIRST PRINTED CIRCUITS in practical use was in 1942 for the Army's VT fuse....

NEW GEAR ON DISPLAY

Books: W2EB, W2EY, W2ONE, W2OEP, P. Penard, WJWW, P. Rossmann and Frank Davis.
Magazines: John Haggerty, W2KND
Tubes: W2PZH, K2SEN, WJJDV, Earl Young.
Broadcast Set: KLAXA, W2SKS
Historical Insulators: WJYJ
Historical Slides: W6GH
Telegraph relay: W1LD
Receiver and articles: K2EE
Relay: W2BCL

INTERNATIONAL INTEREST - letters have been received within the last few months from amateur historians in Germany and India! Guess our hobby is world-wide...

SE-399 is a beautiful WWI communication receiver recently acquired by Ted Duvall. Made by NEXCO, it is slightly smaller than the SE-239 (as described in Ted's OTB article a few issues back) and appears to be in excellent shape except for a missing buzzer. This is the third commercial receiver we've heard about with a missing buzzer! Guess when they were abandoned in the '20s - only the buzzer was of value.....

FME DB-20 Instruction Book - who has one they will loan? This booklet is badly needed by AWA Member Lynn Eslinger of the Singer Manufacturing Co., Bridgeport, Conn. Drop him a line if you have one - we couldn't find one in our files!

DEUTSCHES TECHNICAL MUSEUM

by Earl Hart, W5IVK

If the reader is interested in any way with the Sciences which have to do with machinery, mechanics, aviation, ships, electronics, locomotives, manufacturing processes or any of the thousands of everyday items of life, this museum is a must to see in Europe.

It is a vast building with an impossible amount to see. If you are on a tour, have a couple of hours to visit, by all means buy the English Guidebook - it will tell you in 5 minutes what to see. If you are staying in Munich a few days - and by all means you should see this interesting city - plan on several visits to the museum. There is a student/or weekly ticket at a real savings over the daily entrance fee.

A feature of the Museum are the working models of almost every type of machinery, work process or factory operation. Press a button and see a Principal or Basic operation develop before your eyes. At certain hours there is a display of lightning and static electricity. High bolts of controlled lightning make this display of great interest to the electronic minded visitor. There is also a tremendous exhibit of mining ore and coal in all its phases - past and present. This display is underground and so realistic that you get the impression you are really underground.

The electronic display isn't too large but there is a "ham" station with the call D18DM. The exhibit includes all kinds of telephone and telegraph equipment as well as radio and TV gear - both historical and modern.

A word of warning - unless you have seven league boots - don't attempt to give this museum the usual tourist rush visit...you will be sorry you did. The Deutsches Technical Museum is on par with the finest technical museums in the world. London has its British Science Museum, Vienna has a nice one and of course Washington and Chicago. I have seen them all...but is there another Dearborn ?

Picture taking in the Museum at Munich was meager while I was there. The existing light was poor to almost non-existent ! Except at the London, most museums in Europe don't allow tripods and flashguns, so if you take your camera, be sure you have real fast black and white film. If you take a great quantity of pictures - be sure you keep a record otherwise you will end up with many pictures that you can't identify. Don't miss this museum.



Celestial Clock at Deutsches Museum

HISTORICAL NOTES ON OLD CC/MCC/WCC

at South Wellfleet and the present WCC at Chatham - by Ed Baser, W2ZI

During a recent pilgrimage to the historic site of Marconi's first high power trans-atlantic wireless station at South Wellfleet, Cape Cod, I not only located the bronze plaque mounted in a large rock at the fork of LeCount Hollow Rd. and Marconi Rd. (once known as Wireless Rd.) one-half mile off Rte. 6 - but also located the exact spot where the old station stood !

With the help of Mrs. Lorraine Kemic, Postmistress at South Wellfleet, I was directed to drive south about 2 miles and then bear left at the high water tower on a hard top road leading into the abandoned Camp Wellfleet of the late war. Just over the railroad track I came to an un-manned gate. Mrs. Kemic assured me if the gate was down not to worry about it but just pass on thru. I did, this and drove about a mile thru the camp grounds until I came the end and a 'turn-a-around'. Here I located the bluff where old "CC" once stood. I soon found my self overlooking the broad Atlantic wastes and many sand dunes. Buried among them and plainly visible was part of the red brick foundations of the power house. A little further I came upon the concrete flooring of the original transmitter building with rusted and bent steel bolts that once held the 50 KW rotary spark gap and driving motor. I also noted one of the west concrete tower bases lying almost buried in the sand at the bottom of the cliff. This was at low tide and I was struck with the idea of how it could be possible for it not to be completely covered with the sands of time.

As I stood there alone with nothing but the sharp call of the gulls to greet me, I was awed with the complete feeling of one who stands on hallowed ground. It was here where one of the greatest stations of our time once gave a waiting world at 10:15 P.M. each night without fail the nightly press and the young pioneers of that day practiced their code at an even 16 words per minute. Yes, it is a never to be forgotten experience for many of us who remember.

Mrs. Kemic also directed me to the home of old timer Sam Campbell who lives on Paine Hallow Road. Incidentally, Mrs. Kemic is the grand-daughter of Ezra Giroux, a native of 'the cape'.

Sam Campbell was an engineer for Marconi and knew him very well. He served at "CC" in 1906 and many years thereafter. Later he was stationed at the Marconi Station "WII", New Brunswick, N.J. when they had their 300 K.W. spark. Sam says it was old Charlie Paine who drove the horse and buggy to the railroad telegraph office to deliver the King Edward's famous message to President Teddy Roosevelt in 1903.

I talked with Campbell and his wife, who live in the old fashion yellow house at the end of the road, for over an hour. From him I obtained much information on the old station and some personal sidelights on Marconi himself. These old 'cape codders' are very interesting folk and seem glad to have someone stop in who remembers the old station. I also noted upon entering their home a large framed picture of old "CC" hanging in the parlor. This picture would now be priceless and I soon learned that Mr. Campbell would not part with it for any price. Also resting on the fireplace mantle was one of those rare souvenir plates showing the station in blue pottery ware, now a valuable collector's item of course. I have only seen two and know of a third.

Later, I thought it appropriate to visit the new "WCC" at Orleans, Mass., 2 miles north of Chatham just off Rte. 28. Here I was greeted by J.E. "Dick" Lorraine, Chief of WCC (WLNH) who gave me a personal guided tour of the great stations in the country. As I walked in I could hear them in QSO with some ship in the Indian Ocean which indicates the world wide range they have.

With 16 operators on watch, covering all the low and HF bands at 16 different operating positions, they are able to be in touch with ships in almost every ocean on the globe. Mr. Lorraine suggested I go over to see the transmitting site the following morning since it was get-

ting late and I had to hunt for a place to stay that night.

The next day I found the transmitting location and was greeted by William "Bill" Rider, WLNH. The building, a neat colonial brick structure, is located on Forest Beach Road, just off Rte. 28. Here are located 16 transmitters and a forest of antennas covering all the longwave marine frequencies down to 16 mc. Mr. Rider informed me there were more transmitters to be installed and stated that heating the building in the winter was never a problem because of the hundreds of high power tubes. In fact, forced cooling is required in the summer months because it would be impossible to live with all those tubes working 24 hours a day!

I inquired about the 500 kc. transmitter, having worked traffic with it daylight as far south as the Caribbean and was informed it was running 26 KW. input to the final..feeding a vertical self supported tower 300 feet high located near the salt water beach. The feedlines were about 1/4 mile long and are run on stub poles with regular pyrex high line insulators and locust pins. Many pictures were taken on this 'safari' for my personal records.

The trip would not have been complete if I had not stopped and talked with my old friend Irving Vermilya, WLEE, at his home on Randall Rd., Mattapoisett. WLEE was one time Manager of 'ole CC's 50 KW "Thunder Factory" and hardly needs an introduction to you old timers.

Believing other historians and nostalgic wireless men might like to try their luck and visit this great historic site and the new WCC, I submit the above for their pleasure and guidance.

(E.S. note: Ed Faser is one of our top historians. A pioneer having started in the game around 1906, he has held many calls including 3WG, 3CS, 3ZI plus numerous commercial calls.)

WLEE and WLNH will be honored guests at the big celebration at South Wellfleet this summer. Irving was the last manager of 'ole WCC and Fred is presenting a huge replica of the station..the result of a lotta hard work...

FIRST VISITOR/LAMP - Floyd Lyons from San Francisco was the first visitor at the club's barn museum this spring.

Floyd flew in from the coast, rented a car and toured the east visiting many amateur historians and collectors. His main interest is early electric light bulbs and tubes. In fact, Floyd appears to be No. 1 A.W.A. bulb collector having in his collection some choice ones dating back to 1880!

OLD TIME HAM-ADS

WANTED - Vol. 2, No. 1 and 2, Vol. 3, No. 3 of the A.W.A. Bulletins. George Hamilton, K4AE, 1216 S. Lake Rd. Bayside, Virginia

SWAP - rare W.E. 219-D transmitting tube (somewhat similar to 212-D) with good filament. Want broadcast items. Frank Pagano, 1835 West 7th St., Brooklyn 23, N.Y.

PAY CASH OR SWAP - want G.E. built sets and radio gear pre-1926 to complete GE collection. Also interested in other pre-1926 sets. Have sets to swap. Yates Hoag, 3 Pineview Drive, Utica, N.Y.

STILL LOOKING for a copy of Electric Wave Telegraphy by J.A. Fleming, 1906 Edition. Pay cash. Tom Appleby, W3AX 5415 Connecticut Ave., N.W., Washington, D.C.

TRADE all kinds of items for IP-501A or IP-501. What are you looking for? Gene Kerns, 875 E. Lake Forest Ave., Milwaukee 17, Wisconsin

TRADE the following books for others of the same era: Radio for Everybody, 1922. Radio Phone Receiving, 1922. Practical Wireless Telegraphy, 1921. Curly England, 6651 Pollard St., Los Angeles 42, Calif.

WANT light bulbs of 1880 to 1899 era including Edison, Perkins, Sterling, Bernstein, Schaefer, etc. also early sockets. Floyd Lyons, Elks Club, 456 Post St., San Francisco 2, Calif.

FOR SALE Amrad 'Double decker' receiver made in two sections, Amrad crystal set, plus several other commercial crystal sets. Make offer. Hyman Siegel, 159 St. Paul St., Brookline, Mass.

CASE for 'Wireless Association of America' button. Harold Voorhis, Apt. 9-C, 60 Remsen St., Brooklyn 1, N.Y.

INFORMATION WANTED on the Mac Millan expeditions to the North Pole in the schooner 'Bowdoin'... want to borrow clippings, fotos, info, etc. Frank Whitmore, W2AAA, 223 W. Holly Ave., Pitman, New Jersey

RADIOIA 18 in beautiful condition to the right party gratis. Write to E.F. Kappauf, 1346 Decker St., Valley Stream, N.Y.

CASE or SWAP all kinds of items. Want QSTs prior to 1926, CQ prior to 1946, QST and CQ binders and old radios. Dave McKenzie, 1200 W. Euclid, Indianola, Iowa

SWAP early equipment, books and magazines. Send list. KE7VE, Oradell, New Jersey

WANTED for personal collection - "Radio News" magazine before 1927. State price, condition and issue. Jose Garcia, 243 W. 109th St., SE, New York 25, N.Y.

(Each member may have one ad per issue without cost providing the item is over 25 years old.)

PHILADELPHIA NAVY YARD Station "PV", using a Stone System, 3 K.W. and a 425 m. wavelength should be added to Bill Gould's list in the last OTB... (W3AX)

"HOW DID IT SOUND?" (last OTB) reminds WILD of a wax record made on an old Victor cylinder machine in 1925 of the total sun blackout of that time. The recording was made of the old AMRAD station WGI at Medford...

PENNSYLVANIA COLLECTOR is Bill Leverty at Lansdowne. Bill has built up an excellent collection of historical equipment plus a fine library. Mark him on your list to visit if in the area.

1915 QST - 50¢ - we knew this one would catch your eye. Find an old 1915 QST, gently take it apart and remove the 1915 reproduction, staple it together and you can't tell it from the original - even to the greenish cover !!

DE FOREST AUDION - a well written article concerning this popular tube can be found in the June issue of SPARK-GAP TIMES - official bulletin for the O.O.T.C. The article, written by Paul Watson, W3BO, covers the release dates and other information of interest to the tube collector. (We couldn't help but notice that the 'TIMES' is getting bigger and better !)

FIRST LIVE COMMERCIAL BROADCAST in the south may have been made by Lou Gallo, W5AU. Lou owned and operated the Bayou Station WYAF and broadcasted police and weather reports and occasional sporting events in 1922.

Thru an arrangement with a local dentist firm, he started his first PAID live commercial broadcasts in early 1923. Lou played the violin, a relative played the cello and a friend the piano. The one hour program (once a week) netted the vast sum of \$25 !

OUTSTANDING HISTORICAL MATERIAL

Books

1. "200 Meters and Down" by Clinton DeSoto
2. "Man of Hi Fidelity" by Lawrence Lessing
3. "Father of Radio" by Lee DeForest
4. "S.O.S. to the Rescue" by Karl Bursling
5. "Practical Wireless Telegraphy" or "Wireless Experimenter's Manual" by Elser Bucher
6. "History of Radio to 1926" by Gleason Archer

Special Editions

1. "Golden Anniversary Yearbook" of the Radio Club of America (1960)
2. "50th Anniversary" issue of the Proceedings of the I.R.E., May '60

Outstanding Magazine Series

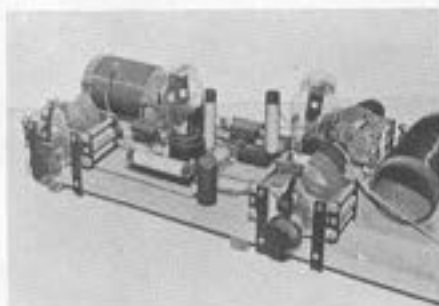
1. "Saga of the Vacuum Tube" by Gerald Tyne (Radio News, 1943-45)
2. "Historical Series" by P.D. Whitmore, K2AAA ("CQ" Magazine, 1959)

The above material was selected as a must for the historian's bookshelf. They represent a complete cross-section of historical radio - reference books to biography. Do you agree with this list? Should we add or subtract? One is seriously lacking - and unfortunately, it hasn't been written: "History of Pioneer Radio Manufacturers"

MAGAZINE REVIEWS: An interesting write-up on David Barnoff may be found in the Saturday Evening Post, 2nd week of February....and the story of the first transatlantic at "CQ" South Wellfleet may be found in the current issue (June) of "Yankee"...a magazine published in New England...and lastly, read the fine "Golden Jubilee" review written by the Ballcraft group in the June, 1963, issue of QST...page 99...W9AC and K9EEZ tells us about the 50th Anniversary of the R.S.G.S.R.

SILENT KEY - Theodore Haulner (Mar. 8 '63) He is credited with sending the first SOS on Aug. 11, 1909 while serving as wireless operator on the S.S. Arctico. The ship snapped its 'prop' in a gale off Cape Hatteras and Ted sent the now distress call SOS instead of CQD. (L. Hardy)

BUE (1920) - KBUE (1963) A.W.A. member Bill Middle of Dayton, Ohio, decided to go back on the air after a lapse of many years and was re-issued his old call letter...Congrats en welcome back Bill!



EARLY STATION IN OPERATION

The upper photo is a MOPA using 210's. The helix modulator and motor generator are not shown. The lower photo is the Det. and 2 step audio receiver tuning from 80 to 160 meters. This station belongs to Jim Haas, W9ACU out in Chapman, Kansas. All components are original except the tubes which he cheats with occasionally - hi!

Lets hear from more fellows with early equipment in OPERATION. The A.W.A. xstr is completed except for the 48 jar CRAC rectifier rack. Hope to have it on the air sometime this summer...

CHRONOLOGICAL LISTING

of all A.W.A. Bulletins

<u>1960</u>	Vol. 1,	No. 1	January (ditto)
		No. 2	February (ditto)
		No. 3	April (ditto print)
		No. 4	October (reg. print)
<u>1961</u>	Vol. 2	No. 1	January
		No. 2	April
		No. 3	Mid-year
		No. 4	Autumn
<u>1962</u>	Vol. 2	No. 5	Winter
		No. 2	Summer
	Vol. 3	No. 3	Fall
No. 4		Winter	
<u>1963</u>	Vol. 4	No. 1	Spring
		No. 2	Summer