FROM HEADQUARTERS

Picture your Secretary-Editor all but buried under stacks of mail from all you avid AWA members and trying to dash off answers after a hard day's work at the office. Then picture him and a few volunteers -- Dex Deeley, maybe the XYL, and even a neighbor or two -- assembling and stapling the bulletins -- licking the stamps and stuffing the mailing envelopes.

Now you can see why he grabs his head at the thought of any more AWA members. Just that many more bulletins to get together and mailed!

But we do like to encourage interest in historical radio and it is just too bad not to be able to accept all new members as they're recommended by AWA sponsors.

So -- we remember what a big help it was when W2KND was able to provide a TIN service which eliminated W2QY's hand addressing the mailing envelopes. So -- a little investigating followed.

A commercial service can do the bulletin assembling and envelope preparing at a reasonable fee, and a lot of time can be free for better use on AWA projects. Sounds good?

And so, we are recommending to the AWA Board of Directors a moderate increase in the yearly dues in the interest providing better service to an enlarged membership. The AWA would remain, of course, unchanged: an educational, historical organization, chartered by the New York State Board of Regents, with no commercial ties, no advertising, and no paid personnel.

Late ad-----

FOR SALE: large collection of magazines and books. Write me your wants. Everett Berry, 1919 Beal St., Lansing, Mich. 48910

ANTIQUE WIRELESS ASSOCIATION INC.
HOLCOMB, NEW YORK 14469

"An amateur organization devoted to the history of wireless"

OFFICERS

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<td>PRESIDENT</td>
<td>Geo. Peterson W2GB</td>
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<td>Chas. Brelsford K2W</td>
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<td>TREASURER</td>
<td>Lincoln Cundall W2QY</td>
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Attorney: Sherwood Snyder W2KPU
Photographer: Al Crum W2BWK

Honorary Members:
Marion Armstrong
Lloyd Espenschied
Roland Bourne

COMMITTEEMAN
Membership: Lincoln Cundall, Harold Smith and Larry Triggs
Exhibits: Lauren Peckham, George Warder, Ken Conrad, Dick Ransley
Conference: Charles Brelsford, Cliff Daykin, Henry Bledgett, Joe Marsey and Dex Deeley
Historians: Ducky Dengler and Harry Lott

Contests: Ken Gardner

News Journal: OLD TIMES BULLETIN
Editor: Bruce Kelley
Make-up Editor: Larry Triggs
Staff Assistant: Dex Deeley
Printer: Don Ray

The BULLETIN is an educational medium published quarterly in March, June, September, and December. Send all news items and other material to Secretary:

MAIN ST., HOLCOMB, N.Y. 14469

Membership: Application form available from either Secretary or Treasurer. Membership limited and subject to cancellation. Send all dues, money for badges, etc. to Treasurer:

Lincoln Cundall, W2QY
69 BOULEVARD PARKWAY
ROCHESTER, NEW YORK 14612
Radio Buffs At Antique Show

Daily Messenger, Canandaigua, N.Y.

When you go to a conference, names and places seem to be the first order of business.

You meet someone and find out his or her name and where they're from, right? Shake hands with John Doe from Walla Walla or Henry Henry from Moscow (that's Idaho).

Ah, but you haven't been to a conference of the Antique Wireless Association Inc. Here you meet "Ducky" Dengler, W2LK; Dex Deeley, WN2KQI; Lincoln Cundall, W2QY; Andy Shafer, W8TE; Thorn Mayes, W6AX; or Al Crum, W2BWK.

The chaps, known by letters and numbers so they can be contacted by and contact other wireless radio enthusiasts all over the world, converged on Canandaigua last weekend for their annual conference. With some investigation, you discover they traveled from New Hampshire, California, Ohio, New Jersey, Texas, Pennsylvania, Nova Scotia and other points.

Throughout the three-day conference the men and a few women chatted about tubes, radio manufacturing, pioneer broadcasting, longwave sets, filaments, receivers, transatlantic communication, antennas and crystals.

The 300 delegates, mostly middle-aged and up, roamed the Sheraton Motor Inn, conference headquarters, wearing big orange identification buttons. Rolled conference programs peeked from their coat pockets.

Who are the people? Well, one is the extroverted conference general chairman Bruce L. Kelley of Holcomb, who also uses his barn as the association's museum.

"Oh, hey," boomed Kelley, spotting a visitor. "I've got a man I want you to meet. No, I've got two men. These are real fascinating people." And then he disappeared in search of the dynamic duo, only to reappear minutes later with the two in tow.

California Delegate

One was Dr. David Hunt, an easy-going orthopedic surgeon from California and an association member for eight years.

Back when Hunt was in grade school, surplus military equipment was going into the schools and he became interested in radios through science classes.

Now, the 35-year-old surgeon collects antique radio equipment, restoring, rebuilding and demonstrating the equipment.

He admits that finding the outdated parts isn't the easiest job. "But with a little effort you can pick up the necessary parts through other collectors," he related.

The other half of the duo was Amory H. (Bud) Waite, Jr., of New Jersey, a gray-haired man who thrust a paper in front of him and said, "Here this will tell you all you need to know." He threw a worried glance at a conference room where chairs were ready and waiting for the delegates. "I don't want to miss this meeting," he explained.

But before departing he added, "I'm a new member so don't make a big deal of it, OK?"

The paper showed numerous photographs of a much younger Waite and words which explained that he was available as an "Arctic Adventure" lecturer. It also billed the illustrated lecture as "historic, romantic and educational" and "ideal as a quick fill-in for a missing speaker."

Arctic Veteran

Waite, the paper related, has made 12 expeditions to the Arctic over a period of 35 years, was a member of the Admiral "Dick" Byrd second expedition to the frozen northland, and helped rescue Byrd in 1934. He has received awards for his feats, is a fellow of the Royal Geographic Society, and developed the first radio ice-depth measuring system. The system is used by nine nations and has been used to measure ice over 14,000 feet thick and to survey most of Greenland's 9,000-foot ice cover.

Inside the conference room the members were listening to Roland Bourne (alias W1ANA) of Connecticut discuss old magazine covers devoted amateur radio enthusiasts. Bourne, a mustached fellow, is curator of the American Radio Relay League Museum.

When this segment of the program ended, conference delegates swarmed over the grounds of Roseland Park, site of a swap and sale of old materials.

There the people surveyed the old radios and other equipment. A man picked up a copy of "Radio News." It was published in January 1939 and boasted that it included articles of "popular television."

Book Specialist

Another man, carrying a list which he was constantly checking, poured over a stack of books including the 50-or-so-year-old series by Gerald Breckenridge. "The Radio Boys Search for the Inca's Treasure" and "The Radio Boys With the Forest Rangers" and "The Radio Boys at Ocean Point" and "The Radio Boys First Wireless" and "The Radio Boys With the Revenue Guards," not to mention "The Radio Boys Seek the Lost Atlantis."

"Aw, darn it all," grumped the man as he carefully placed the dog-eared list into his pocket. "I carry this with me wherever I go and I always find everything but what's on the list."

But the man, like other antique searchers, wasn't about to give up hope. When last spotted, he again held the list in his hand and, with a scowl on his face, was carefully investigating a stack of old radio magazines.

By KATHIE J. MEREDITH

(Conference as seen by Canandaigua newspaper reporter)
Highlights
National Antique Wireless Ass'n
Conference at Canandaigua

Most agree the recent conference was a great success. Outside publicity was held at minimum to prevent overcrowding and a full day of extra programming was well received. A few flaws generated some discontent such as the wait before the evening banquet. This is frequently the case where the meeting room has to be hurriedly converted to a banquet hall.

Programming went according to schedule with excellent response from members. The banquet was full of surprises starting with a book gift "Man of High Fidelity" to further W2BBR's earlier excellent talk on Armstrong's FM station. Lou Moreau (W5EBO) lead the "gang" in singing old songs and a cute young lady paraded among the tables bearing the sign "HAPPY BIRTHDAY to the World's First SWL". It didn't take much guessing to determine whose birthday it was -- Paul Godley -- 83 years!

President Batterson was presented a beautiful framed photograph of himself by his old friend Frank Matejka, K5RS from Kerrville, Texas. The gift, made and given by Association Photographer W2BWK, was for his many years of service to A.W.A.

A surprise speaker was another Texan Edie Dunn, W2ECH, old time broadcast announcer and personality who kept the audience in laughter as he gave out many prizes to the ladies.

Future programming? ...several suggestions have been made to smooth out the auction (always a difficult thing to handle) and some recommendations on the Receiver Contest. A personal thanks to all the EXCELLENT speakers and Committee members who really made the Conference a success. My only regret is I neglected to find help to operate the projection equipment. This really tied me up and prevented seeing and talking to various members many of whom I saw only once a year.....

See you in '72,

K2EKL

Mysterious young lady who paraded among the banquet tables bearing the sign: "Happy Birthday to World's First SWL" To the uninitiated, Godley was sent to Scotland in December, 1921, to see if signals could be heard across the Atlantic on shortwave: 200 meters! His success is a triumph in amateur history.

LATEST RELEASE: Minton Cronkite, 79 yr. died Nov. 11 in Calif. He was one of IBCG's operators noted elsewhere in OTA.
DO YOU KNOW THAT

What may be the last 4 way spark qso in history took place Saturday evening Sept. 25 at the AWA Conference.

President W2GB operated K2WW's 1 kW without blowing the fuses (1), W4ZM was behind the key of his high pitch rotary, W2AFE operated an untuned rotary which gave a growling sound and W22M could be heard with W3EFX's low power straight gap set.

Transmissions were relatively short with the fellows using their initials as call signs. It is doubtful whether four spark transmitters will ever be on the air again simultaneously.

AMRAD AND GREBE SETS
Special Prices This Month
MASSEY RADIO COMPANY
Wayne Nelson, W4AA, introduces "Paragon Paul" Godley. What better "prop" for the occasion than the Adams-Morgan RA-10 at right!

Frank Matejka (K5RS) presents President Batterson a framed portrait photographed by Club Photographer W2BWK. Al is responsible for all conference pictures in OTB.
Tom Buzalski, W2ERR (Chief Transmitter Engineer N.B.C.) points to a component in a section of Maj. Armstrong's first FM transmitter. Bob Morris, W2LY (WCB/WEAF) on left and Armstrong's Assistant Harry House (right) look on. This rare piece of equipment is now on display in the A.W.A. Museum thanks to Harry.

Billy Jones and Ernie Hare
Vic Lopez
Amrad Radiola
Federal

WDAF
Roxy
Amos and Andy

Judges and Winners of the OLD RECEIVER CONTEST: l. to r. Ralph Muchow, John Caperton, Floyd Bennett, Lauren Peckham and Stan Johnson.
Paul Godley congratulates Bob Morris, W2LV for winning A.W.A. Old Time Transmitter CW Contest. Chuck Brelsford, K2WW holds winning certificate (see below) which was cleverly designed by Ken Gardner, W2RGN.

A.W.A.
FIRST ANNUAL
OLDE TYME TRANSMYTTER
QSO CONTEST WINNER
W2LV
ROBERT M. MORRIS, SPARTA, N. J.

ANTIQUE WIRELESS ASSN., HOLCOMB, N.Y.

Feb. 3rd & 10th, 1971
NEW CLUBS

In addition to the Colorado club mentioned on page 14, two others have been formed as noted below. Information concerning their activities will be printed in future BULLETINS.

INDIANA:

ATTENTION HOOSIER MEMBERS

A new group has been formed in your state devoted to the history and restoration of early radio equipment. The organization has great plans and should be of interest to all Indiana members. More on their activities in the next issue. Interested? Write:

Ross Smith, 1133 Strong Avenue
Elkhart, Indiana 46514

CALIFORNIA:

A.W.A. members from Santa Barbara, Ventura counties, have formed a group with the name ANTIQUE RADIO COLLECTORS OF SANTA BARBARA. Members are E. Pete Langlo WAGPFF, Peg Dave W6HUT, Claude Ruyler W6BTZ and Paul Thompson.

In October the group visited a long time A.W.A. Member and pioneer collector Vance Phillips, W6GH. Needless to say, the group was inspired with his fine historical collection.

They would like to go as a group to other A.W.A. amateur museums in Southern California. Interested in joining or having them visit you? If so, write to: E. Langlo, WA6PFF, 373 North Kellogg Ave., Santa Barbara, Cal. 93111.

LATE ADS:

ELECTRICAL EXPERIMENTERS...original bound copy year 1915 in very good condition. Also copies bound for the years 1917 and 1918 in excellent condition. Highest bidder takes them. Max Jacobson, W3DUG, 616 Ednor Road, Silver Springs, Maryland 20904.
Great interest in operating old time amateur equipment has prompted A.W.A. to have another CW Contest in February on 3575 to 3585 Kc.

and

7040 Kc.

and

14080 Kc.

W2BN is again Chairman assisted by W6SAI on the West Coast.

Last years 3580 Kc. has been expanded to 3575 to 3585 in order to avoid some QRM and 7040 and 14080 have been added to permit long haul contacts.

**OBJECTIVE:** Work the greatest number of A.W.A. members. When calling use:

"CW AWA CQ AWA"

On contact exchange year of transmitter being used. Example: "TX 1936" if you are using a transmitter with 1936 parts.

**CONTEST HOURS:**

Start---Wed., Feb. 2, 1972 8:00 P.M.

Finish---Thur., Feb. 9 8:00 P.M.

Start---Wed., Feb. 9 8:00 P.M.

Finish---Thur., Feb. 10 8:00 P.M.

All E.S.T.

Two 24 hour periods have been designated to permit QSO's between different time zones.

**SCORING:** Each station worked with a transmitter with components 1939 or before counts 2 POINTS. All other transmitters (1940 or later) -- 1 point. Stations using transmitters before 1940 should multiply total score by 1.5

Example of station with 1932 xmt:

| Works --- | WXPEG --- TX 1934 --- 2 pts. |
| --- | --- | --- |
| W6VPH --- TX 1938 --- 2 pts. |
| W6SAI --- TX 1932 --- 2 pts. |
| W6GB --- TX 1955 --- 1 pt. |
| W5AO --- TX 1930 --- 2 pts. |

Total 9 pts.

9 pts. x 1.5 multiplier = 13.5

A station will be scored once only on each band. Cross band contacts will not count. Non-member contacts will not count. Send copies of log sheets to:

Ken Gardner, W2BN
42 Oakdale Ave.,
New Hartford, N.Y. 13413

or

Bill Orr, W6SAI
48 Campbell Lane
Menlo Park, Calif. 94025

**SILENT KEY:** TOM APPLEBY, W3AX (85 yrs.)
Washington, D.C., Nov. 16

---

**ARMSTRONG WINNER in Regeneration Poll**

(Conducted by Ducky Dengler, W2LZK)

The poll conducted at the Conference to determine to whom credit should be given for regeneration (feedback) indicated an overwhelming majority in favor of Armstrong over several others.

This isn’t too surprising since previous polls with engineering groups came up with the same results in spite of court decisions.

**AWA NETS**

**PHONE:** 3697 Kc. (3902 Kc.)

*Every Sunday -- 12 noon*

*Every Tuesday -- 8 P.M.*

**CW:** 3580 Kc.

*First Wednesday each month*

*8 P.M.*

---

**SPEEDWELL VILLAGE**

**A NATIONAL HISTORIC SITE**

Stu Davis, W2ZH, is deeply involved in SPEEDWELL VILLAGE at Morristown, New Jersey since there is a possibility he may move part of the National Telegraph Museum there.

The location is the site of Stephen Vail's home built in the 18th century. Stephen pioneered with iron and the practical use of the steam engine in railroading and industry. He casted parts at his Speedwell Iron Works for locomotives and later became partner in the Baldwin Locomotive Works.

However, it is his remarkable son we're interested in -- Alfred Vail who pioneered and collaborated with Samuel F.B. Morse in the first telegraph. It was at Speedwell on January 6th, 1838, that Stephen Vail gave Prof. Morse the first message to be transmitted to his son Alfred -- the latter having designed and built the equipment. Alfred Vail and Samuel Morse were partners for a time and pioneered in landline communication. What better location for W2ZH and his museum? We wish him luck in his new venture.
NET OPERATION

HAROLD CABLE, K4CR (Jonesboro, Tenn.) is rebuilding his 1936 xmt using a WE-211-D in final. Receiving gear; SW-3 (from W1PEG), FB7-X and RME-69. Harold will be the first station in Tennessee to call in. Hal is member of S.O.W.F.

BILL ORG, W6SAI, reports an old time station in operation and would like to work the gang back East. The 80 meter xmt: 47 - 2x46 - 2 x 211D - xtal controlled on 40 and 80. On 20 Bill uses 6160 xtal - 35T es pr 100Tis -- copied from article in February issue 1937 of "Radio" magazine.

ROY USHER, VE6EA (St. Albert, Alberta) has a 1929 station consisting of a hi-C TP6x xmt wid bridge electrolytic rectifier in prw supply. Rx is det. es 1 step aud. It will be a real challenge to any member to work this VE6. Let's hope Roy is on during the OT xmt Contest.

OPERATION IN COLORADO -- Yardley Beers, WZJP, Boulder, Colo. (also W6VJO) is in the process of constructing the breadboard transmitter on the cover of January, 1967 QST. He is making one modification however; he is changing the tube lineup from 201A - 210 to 210- 203A plus a TVI-ing device. He will be a welcome participant in all OT CW operations.

AM PHONE CONTEST may be announced in next Bulletin. Several have made such a request and it would appear operation should be confined to the REAL old time phone band: 160 meters. More in next OTB.

JACK NELSON, W2FW (ex-SFU) can be heard occasionally with 210 xtal es 210 pa. Rx is FB7-X es homebrew 7 tuber using 2h, 27's, etc. Jack doesn't like 3580 becuz of TVI...

OLD TIME XMTS AT CONFERENCE

Old time transmitters brought to the Conference attracted much attention -- particularly those of W5AO and W3EWI. W5AO was the fellow who was heard with a pr of 45's FF TNT and 95EWI had the 2 watt QRP set consisting of 19 xtal es 19 PA wid rx using 230's!

Tape playback recorded by W2EB and W2LV of contest signals brought much amusement. Let's hear more station in the 1972 Contest (February). Remember, you can participate with modern equipment but you can't claim all the multipliers.

NET CRYSTALS AVAILABLE

Again through the courtesy of Peter Borsi, W9HII, members will be given crystals for the new 20 and 40 meter spots. Like the 3580 xtal given out last year, they are the large prong type and are cut for 3520 which will enable one to double to 7040 or to 14080 kc. Send 25¢ for postage to A.W.A. Holcomb Headquarters. Please do NOT ask for xtal unless you plan to use it...

LATEST RELEASE: Nov. 14, Victor, N.Y.

--- Charles Brelsford, K2NW elected new A.W.A. President and Kenneth Gardner, W2CN, Vice-President.

--- Board accepts invitation to hold 1972 Conference at Smithsonian Institution, Washington, D.C.

--- Board tentatively approves $5.00 dues increase to cover additional work by commercial printer. (collating, stapling, trimming and photo composition.)

--- Robert Morris, W2LV of Sparta, New Jersey named permanent Chairman of Houck Award Committee.

NEW MATERIAL IN A.W.A. MUSEUM

Transmitter -- W8IMU
Receiver -- W42M
Telegraph equipment -- WA2YCK, Howard Schrader and W. Reddig
Printed Material -- W2EMX, W3EE, W3DUG
Braid tape printer -- W1HP
Miscellaneous -- W2EMX, K1AAQ, W42M
W7ESS, WA2YCK, Howard Schrader
Fulton Radio Club

Edward F. Weston, 92, Maker Of Scientific Instruments, Dies
at Montclair, New Jersey

former Chairman of the Board of the Weston Instrument Company and son of its founder, Dr. Edward Weston Sr.

The elder Weston came to the United States from England in 1870. He formed the company in 1938 and in a period of 11 years had over 300 patents to his credit. He died in 1936 at the age of 86 years.

The son took over executive direction at his death. The company was merged with Daystrom, Inc. in 1955 but continued to operate under its own name.

(W2NX)
OLD WIRELESS SPECIALITY APPARATUS PLANT

The above picture was recently photographed by Jack Berman, W1RQW, and shows the building formerly occupied by the Wireless Speciality Apparatus Company on Atherton Street, Jamaica Plain, Mass. Jack recalls going to the plant back in the 20's looking for a job. At the time they were specializing in manufacturing the famous PARADON condenser line. The building is presently occupied by a publishing concern.

October 1, 1971

Dear Bruce:

The A.W.A. Canandaigua assembly was wonderfully "engineered", programed and so-smoothly handled. Wholly aside from my own minor participation, I found it of very great interest! Some of the features were nothing short of magnificent; and, first of all, congratulations to yourself and your eminent confreres for an experience in nostalgia which I shall long remember and treasure. It carried me on a great journey back across a meaningful half-century, and more. My gratitude!

Needless to say, too, it was inspiring to meet so many of the wonderful old-timers. "Jusqu'à la prochaine fois" -- until the next time; and I shall look forward to it.

Thank you, Bruce.

Sincerely -- and with best 73s,

[Signature]

PAUL FORMAN GODLEY
OLD TYME ADS are FREE to members who are interested in collecting and restoring historical equipment as an amateur. They are not to be abused.

RULES FOR ADS:
1. Material must be over 25 years old.
2. Ad MUST be written on separate sheet of paper -- not part of letter. For acknowledgement -- send S.A.S.E.
3. Give full address, zip number and call letters (if any).
4. AWA will not print repetitive ads or ones indicating regular sale for profit.
5. The Association is NOT responsible for any transaction.
6. AWA retains the right to reduce size of ad.
7. All ads must be received 5 weeks prior to mailing date.
8. Mail to Antique Wireless Assn., Main Street, Holcomb, N.Y. 14469


HOW MUCH am I offered for old DC SW-3 receiver with complete set of coils? Stewart Perry, W1BE, 36 Pleasant St., Winthrop, Mass. 02152

SWAP: Radio Instruments and Measurements (Circular No. 74 of the U.S. Bureau of Standards) printed in 1919 for a more practical book or magazine of the 1920s. Please write to: John Foulger, 74 Walton Way, Aylesbury, Bucks, England

SELL or TRADE: Hickok 305 scope, Dubllin and W.S.A. transmitting condensers (up to 15 KV, dated 1917 to 1925), 1918 Signal Corps telephone test set, large primary wet cell, Signal "spiral can" condenser with dials and other misc. parts. SASE for list. Want pre-1925 test instruments, xtal sets, 1 or 2 tube sets, etc. Lane Upton, 526 11th Ave., Salt Lake City, Utah 84103

NEED: Radiola III-A input transformer and one double socket for WDJ-11's. Please quote asking price. All replies answered. W.T. McAninch, W4IA, 2137 Grayson Place, Falls Church, Virginia 22043

SELL or SWAP: Radiola III, RADA, Scott Phantom, Aerola Sr., Wilson Kinetoscope (1908) with 3 reels of very early 35 mm., Crosley 21 Chassis in box, AK-35. Details: S.A.S.E. Al Canning, WB4HAK, 6 Camellia Drive, DeBary, Florida, 32713

SWAP: Radio, Rola horn, Radiola 25, WE 59 WCT unit, RCA, AK sets, etc. Want Magnavox radio and horn, Mahawk, de Forest, RCA, early A8, Grobe, APT, old parts, etc. James Corter, 13366 Pastel Lane, Mt. View, Calif. 94040

I MADE A MISTAKE -- am still looking for "The Ocean Wireless Boys on the Atlantic" as 1st choice. Also want (4) No. 1-A Amperities in working order. Ted Woolner, W4ABP, 30 Cedar Road, Shrewsbury, Mass. 01545

TRADE: Ak-12 (very nice) for following three crystal sets: Radiola Concert, de Forest Longwave and Aerola Jr. Also have new pr. 813 and pwr. trans. to swap for Baby Grand crystal set. L.W. Ellis, W4HER, 3919 Polinster Dr., RTP #8, Winston-Salem, N.C. 27106

FOR SALE: New copy (first printing) "Invention and Innovation in the Radio Industry" by Rupert MacLaurin - $25.00. Also "Radio Broadcasting News" beginning with Vol. 1, No. 1, Jan. 1, 1922, 4 page weekly Illustrated programs of EDRA notes. 2 volumes 1922 and 1923. Marvin Fallgatter, 406 El Cerrito Ave., Piedmont, Calif. 94611

Need: Two RF transformers for de Forest Reflex receiver D-10 and (1) Audio speaker xfr. Chester Arnett, 3408 North 83rd St., Omaha, Nebraska

WANT: Silver or Gutman pre-selector. G. Pablow, Box 590, Picton, Ontario, Canada

WANT: Crosley 51, 52 and Musicone. Have Model 50 to trade. Also have nice pair of Kennedy phones for Crosley phones. Clarence Filley, W7KE, 1109 South 2nd, Hamilton, Montana 59840

WANT: for radio museum -- spark gap, corner, audion tube, parts for AK breadboard, early catalogs, books, etc. Ray or trade. Ed Eberard, Box 430, Sutton, Quebec, Canada

Lincoln Cundall, W2QY, presented the Association's documentary film on MARCONI in the Electrical Engineering Auditorium, Syracuse University on October 22. The show was well received by the professional audience and adds another mark to Link's popular show made several years ago.

DICK SEPIC acquired a rare de Forest "Responder" which is slightly different from others. He would like more information on this type of detector. The patent plate says: December 16, 1902 and pencilled on the bottom is "Nov. 4, '04." Dick's address is 1945 E. Orange Grove Blvd., Pasadena, Calif. 91104

ANTIQUE SHOPS: Baltimore area members should not overlook North Howard St. according to George Sturry. There are dozens of antique shops in the vicinity and every now and then an old receiver will pop up.

RECEIVER CLASSIFICATION: Floyd Lyons sent a very interesting breakdown in "receiver classification" as to condition which may prove useful to the collector who buys or sells sets. It will be printed in the next CTB.

MORE MEETINGS to be scheduled in 1972. Members indicate they would like to have more get-togethers in addition to the Annual Conference. At the moment it looks something like this:

- Spring --- April
- Summer --- June
- Conference --- September
- Fall --- November

Location and exact date in next CTB.

AL MARRY (W4HD) is still working on his magazine library. One magazine he desperately needs is one published by the Nola Radio Club of New Orleans titled "The Poneyron." Can anyone help him?

HANK STAVEN is an amateur historian in the Northwest who has gained some local publicity. Members in the area may visit him at 7231 66th Avenue, Mayville, Washington, where he has a modest collection of early receivers.

CIARANCE FILLERY (W7KE) would like to hear from AWA members in Idaho, Montana and Wyoming. Drop him a line at 1109 South 2nd Ave., Hamilton, Montana, 59840.

BOB MIDDLETON (Santa Cruz, Calif.) will have a series of six articles titled "Illustrated History of the Vacuum Tube in ELECTRONICS DIGEST magazine.

WRC-TV (Washington, D.C.) recently did a half-hour feature on old time radio with props provided by AWA member Ted Hannan, K3OLI.

The country of NICARAGUA is issuing a series of postage stamps with historic equations according to Bob Cobaugh. The first called to our attention is James Clerk Maxwell's summary of man's knowledge of electricity and magnetism with four famous equations from which he obtained this:

\[ \mathbf{v}^2 = \frac{k_B}{c^2} \left( \frac{E}{\mathbf{c}^2} \right)^2 \]

An interesting stamp for the radio stamp collector.

Congrats to RICHARD CROWLEY for his exceptional paper on the history of radio station WHAM. Dick's selection of this pioneer station as his thesis (graduate work, Univ. of Maryland) has given the radio historian a valuable document.

FORMATION of Rocky Mountain Antique Wireless Association ------

The increasing interest in historical radio and collecting has resulted in the aforementioned organization. Yardley Beers, W4JF, has been elected President and Don Hanfor, W4NPO the Secretary/Treasurer.

Sectional groups such as this, quite remote from AWA activities in the East, can prove of great value in exchanging ideas and of course equipment. W4JF would like to hear from other members in Colorado and nearby states. Write:

Yardley Beers, 170 Willowbrook Rd., Boulder, Colo. 80302

RADIO HISTORY in the Rochester, N.Y. area was highlighted on several occasions recently when Clarence Dengler (WALK, ex-8KB) presented a running slide-tape show at various organizations. Dengler, an AWA Director, covered all phases of Radio development --- amateur, broadcast and commercial. He was one of the first operators at WHAM in the early '20's, later installed the city's first police transmitter WPDR and is currently national radio historian for safety communication officers.
JOHN CAPERTON (Icounsel) seeks info on an early X-ray machine made by Victor in Chicago. It has a Tesla coil, octuple gap and two large condensers. (We might call to member's attention that early electro-medical equipment of any type is worth gathering -- all such items have a place in early electrical development.

Note: The column "WITH THE COLLECTORS" has been replaced with "ASSOCIATION NEWS". The new column will cover members activities and miscellaneous historical happenings. The listing of new equipment acquired by members will be discontinued for the simple reason the situation was getting completely out of hand -- a continuous staggering pile of letters which were becoming difficult to answer and summarize with much of the information out-dated by publication date.

SOCIETY OF WIRELESS PIONEERS were well represented at the Annual Conference. A show of hands at one meeting indicated 16 present with at least 10 others not present. S.O.W.P. member W2BWK did not have an opportunity to take a picture of the group to send Bill Brennan.

UNITED WIRELESS TYPE "E" tuner pictured in OTH 11-4-15 is now property of Thorn Mayes, W6AX. This is a rare item much less common than the Type "D", and may be the only one in the country. Know of any others?

SE-143 COMMERCIAL RECEIVERS have a switch marked "Untuned-Tuned". Warren Green, W7UY, has a SE-143 with the same switch but marked "Unilateral-Bilateral" which might indicate it was used for directional finding. Anyone have info on this particular model ??

LEYDEN JARS--PRIMARY CELLS--INDUCTION COILS--STATIC MACHINES--RELAYS, etc.,
All of these items can be purchased from commercial supply house. The cost is high since they normally sell to laboratories, etc...but worth looking into if seriously interested. Write your wants to:

SARGENT-WELCH SCIENTIFIC COMPANY
7300 N. Lindel Ave., Skokie, Ill. (Tax Art Trauffer)

New Australian Member
A.W.A. welcomes fellow historian Bob Skinner, a native of Canberra, the capital of Australia. Bob was sponsored by Norm Burton of Revesby (near Sydney). The Association now lists four members in "VK" land.

1971 ANNIVERSARY YEAR
Quite by coincidence, 1971 is the Anniversary Year for several memorable events in radio history:

75th Anniversary 1896-1971
First patent for a system of telegraphy using Hertzian electromagnetic wave (issued to Marconi)

70th Anniversary 1901-1971
First radio signal sent across the Atlantic Ocean.

50th Anniversary 1921-1971
Famous A. R. R. L. Transatlantic Tests

SIX VOLT POWER SUPPLY
Need an "A" power supply to operate your early battery set? If so, write:

L. E. Whitlock, WA1INN
Box 104
Bridgewater, Conn. 06752

Larry is making in limited quantities 6 volt power supplies which have mimal hum. They are mounted in a small cabinet and naturally are solid state.
Price: $15.80 postpaid

Association News
A column for the radio historian
We're interested in current news items pertaining to radio and electricity: newspaper clippings, new books, magazine articles, public museum activities, acquisition of unusual material or equipment, death notices, historical sites, current oldtime radio programs, etc. Send copy to:

Editor
Antique Wireless Association
Main Street
Holcomb, New York 14469
DE FOREST D-101

dustproof crystal detector designed and made by Art Trauffer and used in his Gemsback Interflex receiver described in ELECTRONICS DIGEST magazine, August, 1971. A very clever project for the home constructor who needs a crystal detector. (Courtesy W5SFE) (Copyright 1971, Electronics Digest Periodicals, Inc.)
QST COVER ARTISTS LAUDED BY BOURNE

Roland Bourne, W1ANA, Curator of the ARRL Wireless Museum, has loaned us his notes so that we can summarize for you the highlights of his talk at the Canadigua Conference on QST cover artists over the years.

Of particular interest are Clyde Darr, W8ZZ (d. 1929), the late Ross Hull, editor of QST in the 1930's, Phil Gildersleeve, W1CJD (d. 1966) and Harry Hick, who is still active at 78.

Darr was the most prolific of the earlier cover artists. He got into ham radio in 1912. He was 8AJD pre-WW1, later 8CB and finally W8ZZ. For many years he was advertising art director of the Timken Axle Co., Detroit, but found time to act as ARRL manager, Central Division, and from 1922 to 1929 was on the ARRL board of directors. Darr was a pinch hitter. He rarely did covers in advance, but a phone call from Hartford (usually frantic) always produced a needed cover, especially for special occasions.

Ross Hull came to Hartford from his native Australia in the mid-twenties - a man of many talents and tremendous energy. His QST illustrations were mainly of new gear. He was an accomplished photographer and made many QST covers illustrating the new rigs designed by members and the ARRL labs. Ross met a tragic death in 1938. He was electrocuted while demonstrating an experimental TV receiver to some friends.

The late Phil Gildersleeve, W1CJD, supplied QST with covers and cartoons for over 40 years. No one will ever forget Phil's cartoon covers - The Podunk Amateur Radio Club series depicting the boys being themselves, heading for the annual ARRL convention or messing up some crow pasture on Field Day. Phil was also creator of the much loved "Jeeves" series of cartoons.

Phil's earlier years were spent at sea as a commercial radio operator. His first amateur call was 1ANE. At one time he worked at the Walt Disney studios in Hollywood. Finally, Phil was to become news editor of the Middletown (Conn.) Press, where Ronald saw him regularly at radio club meetings. Phil became a silent key Nov. 4, 1966 and his loss was severely felt, not only at ARRL but throughout the world amateur fraternity.

Harry Hick, who started in wireless in 1913, heard they were publishing a ham magazine in Hartford and offered his services to Clarence Tuska, who accepted them, but told Harry there wasn't much money to pay for them. This was OK with Harry. He designed not only QST covers but many of the headings used inside the magazine and was the designer of the now celebrated square-letter "QST" logotype which is still featured on QST covers and other publications. Harry was an artist in the Advertising department of Aetna Life and Casualty Co., Hartford, where he worked for 42 years before his retirement in 1959. Harry was 78 years young this November and figures he did artwork for QST and ARRL for 55 of these years.

Certificate of Skill

Additional information on the certificate of Skill pictured on page 19, Vol. 12, #1, can be found in the 1971 SOWP Yearbook, page 14.

Here historian Ed Raser, W2ZI, does an exceptional job of listing all known early recipients of the rare radio operator's license in chronological order. Apparently #1 is James Basketville who was licensed May 25, 1911 at the Brooklyn Navy Yard. Many familiar names appear on Ed's list including several A.W.A. members.

Ford Spark Coils

Model "T" Ford spark coils are available new from:

J. C. WHITNEY & CO.
1917 Archer Avenue
Chicago, Illinois

The catalog No. is 16-195 and shipping weight is 2 lbs. -- Price: $8.89
A pair of "points" are available for $9.5 -- Cat. No. 45-754

(Bob Cobaugh, W2NX)
A.W.A. MEMBER PRESIDES AT OPENING OF DUTCH MUSEUM

Gerald Tyne, internationally known tube historian, recently had the honor to officially preside at the opening of the Museum of Technology at the University of Delft.

The University decided to invite Tyne because of his interest in Holland and in recognition of his career writing about and fostering the preservation of samples of early electronic development.

The strong bond between Holland and America was dramatized when Jerry opened the door of the museum. The first exhibit at the entrance was the floodlighted American flag, accompanied by the playing of the national anthem. The commemorative medallion presented to him was designed and executed at the University of Delft.

Tyne, an electrical engineer retired from Bell Telephone Laboratories, is a Research Associate of The Smithsonian Institution. He made this trip to Europe for final research for his revised "The Saga of The Vacuum Tube" which Smithsonian Press plans to publish.

The museum, housed in the new Elektrotechniek Building is known officially as "Studie verzameling." It is believed that this is the first museum of technology to be opened in this century and it is to be used by the students to learn prior art.

Exhibits cover early development in all branches of electrical engineering with special emphasis on electronic devices. The section on radio has the largest display of vacuum tubes in the world, and includes the most comprehensive exhibit of American tube development ever assembled. The pioneering work of the Western Electric Company is labeled as such, and is not exhibited under the name of some licensed manufacturer abroad. More than 160 tubes in the American exhibit were contributed by Mr. Tyne from his private collection.

The Museum is sponsored and financed by the Netherlands government. Unlike many other such museums there is no tendency to nationalize history.

Jacob Verwer, curator of the museum, explained why Mr. Tyne, an American had been chosen "to open the door" to history. Mr. Verwer read a letter from Mr. Tyne, dated September 12, 1946. It was written in response to an appeal published by QST, the amateur radio magazine, asking American operators to assist the Dutch operators in getting back on the air by sending them parts for radio receivers and transmitters. Holland had been stripped of all communications equipment during the war. Mr. Verwer read excerpts from many letters which followed and told of 125 packages which Mr. Tyne from many letters which followed and told of 125 packages which Mr. Tyne had sent to Utrecht during the next two years. These contained parts, tools, and measuring equipment enabling the amateur operators in that section of Holland to again be in touch with the world. He cited the far-reaching effects of the efforts of one sympathetic stranger in America who had answered the appeal for help and personally financed this aid to war-ravaged Holland.

Change In Address?

Mail information to the Treasurer who handles current mailing list.
(NOT the Secretary)
L. A. CUNDALL, W2QY
69 BOULEVARD PKY
ROCHESTER, N.Y. 14612
After the show on early transatlantic stations at the recent conference, the question was asked, "Just how many stations were equipped with high power Alexanderson alternators?"

We can't give a definite answer but this map, drawn by G. E. in 1924 and supplied by W2IK, indicate the following with G. E. equipment: Rocky Point, Tuckerton, New Brunswick, Marion, Bolinas and Kahuku (Hawaii). We're reasonably sure they were equipped with alternators. In addition, the following had the G. E. symbol: Warsaw and Carnarvon with Varberg and Pernambuco in the planning stages. It is unknown whether the latter were ever completed or whether equipment other than the alternator was scheduled.

It is believed the last station to use the alternator on a regular basis was Marion (Mass.) where RCA had leased two for Government (Military) use.

The other stations noted on the map not using Alexanderson alternators were generally equipped with huge arc transmitters.

The A.W.A. Historical Committee has elected to designate 1972 as the E. H. ARMSTRONG YEAR and 1973 as the LEE DE FOREST YEAR

During these periods the Association will print and develop material pertaining to their activities.
"We must have been crazy", say Bill Eitel and Jack McCullough, speaking of the chances they took back in 1934 when they began producing vacuum tubes. Neither one was an electrical engineer, and neither had much in the way of capital. However, the company they founded (Eitel-McCullough, Inc.) of San Bruno, California, has grown to become one of the world's largest and best known producers of electron power transmitting tubes. Now a division of Varian Associates and located in San Carlos, California, EIMAC produces the 3-500Z and other famous tubes well known to radio amateurs and commercial users.

In the early 30's vacuum tubes had an unpredictable life, were very expensive and extremely fragile. Worst of all, they had poor performance in the new high- and ultra-high frequencies then being opened. Bill and Jack (W6UF and W6CHE), radio hams who worked for a small electronics firm, had a great deal of experience in shortwave communication and they were convinced that sweeping improvements could be made in tube design. Short on cash, but long on sales ability, they sold quarter-interests in their proposed venture to two friends for $1250 each, and also borrowed $1250 from each friend. With the $5000 capital, they incorporated in the summer of 1934 and went to work in a small store in San Bruno.

Five weeks later they exhibited five

Figure 2. - A rare photo of the Eimac hams on Field Day (about 1937). (Left to right): Bill Eitel, W6UF; Tom Hall, W6SC; Gordon Howes, W6CEO. Operator at right is unidentified. Two Breting 12 receivers were used and "portable" transmitter ended up with two 300T's in push-pull--running white-hot!
of their radically new tubes at the ARRL Convention in Fresno. Each of the tubes was a "dud," having a cracked filament stem, but Bill and Jack gambled that the defects would go unnoticed by the admiring hams at the convention, and they won. Then they ran an ad (written by Bud Bane, W6WB) in the November, 1934 issue of QST, offering the EIMAC 150T triode for sale at $24.50. Orders came in at the rate of three to five tubes a week and they went into production, with Bill blowing glass and Jack working the vacuum pump. The problem of cracked stems was solved, more tubes were sold and the first, new EIMAC employee was hired on December 1, 1934. By 1936, sales were high enough to support a dozen employees, the original $1250 loans had been paid back and a new plant built in San Bruno. Eitel-McCullough, Inc. was a going business.

Of course, many of the original employees were hams. Two of the first amateurs who went to work for Bill and Jack were Tom Hall (W6SC) and Gordon Howes (W6CEO).

Between 1935 and 1939 the little company grew rapidly. The 50T and the 35T were added to the line, as well as the 300T. The original tubes were upgraded in 1936 to the 100TH, 250TH and 450TH. The giant 750T, 1000T and
2000T were created. In July of 1940, Eitel-McCullough received an order for 10,000 tubes from the Western Electric Co., and—to put it mildly—all hell broke loose. Converting from hand methods to mass production kept everyone working day and night, sent the hiring rate skyrocketing, tossed out all routines and techniques and created an incredible situation! Somehow, the firm gradually found itself on a production basis and by July, 1941, Eitel-McCullough started hiring women for production work—a radical step in those days.

Also, during 1941 one of the investors sold his quarter interest back to the company for $57,000. The other held on until 1945 and then sold his interest back for about $223,000.

World War II brought about an additional expansion of the company, including a new plant at Salt Lake City, Utah under the direct charge of W6UF. Tube production increased to a record level of 12,000 a month in 1943. Included in this record output were the famous 304TL, VT-156 and VT-127A, three of the earliest radar pulse and r-f tubes. Peak production of tubes reached better than 100,000 per month during the closing months of the war.

Luckily, Eitel-McCullough was not ruined at the end of the war by its best customer (the government) dumping vast quantities of surplus vacuum tubes on the market at a few cents on the dollar. The new 4-125A, 4-250A and 4-400A tetrodes developed by Eitel-McCullough rapidly obsoleted the glut of World War II surplus tubes and by 1948, Eitel-McCullough had readjusted itself to the post-war electronics era. The Salt Lake City plant had been closed in 1945, but by 1949 Eimac returned to Salt Lake and the reopened plant produced thousands of black and white TV picture tubes. Then, in 1950, because

---

**EIMAC 150-T**

**The Tube You Asked For**

**Is Here At Last!**

**IN EVERY IMPORTANT FEATURE—UNSURPASSED**

**HERE** is a tube, new and original in design. It fulfills the most severe requirements of amateur practice. High output is obtained with low grid driving power and low plate voltages. Exceptionally high vacuum improves filament emission and prolongs tube life. Tentacle grid and plate construction permits maintenance of high vacuum even when overloaded. Extremely low inter-electrode capacities make for high efficiency at high frequencies. Isolated grid and plate leads, in conjunction with elimination of internal insulation, insure freedom from arc-over or breakdown. Low voltage double-V filament reduces hum, increases filament ruggedness and life and increases mutual conductance. The large NONEX envelope, free from discoloration, allows maximum heat radiation without bulky physical dimensions. Improved 50-watt base insures rigidity and freedom from short-circuiting. "Ghost" grid structure minimizes electronic short-circuiting effects on the plate.

**Characteristics:**

- EIMAC-150-T Triode

- Fil. Voltage 5 V.; Fil. Current 10 A.;
- Rated Plate Dissipation 150 W.; Amp.
- Factor 35; Max. Plate Current 300 MA.
- Plate Voltage: 1000 2000 3000
- Plate Resistance: 2750 1900 1150
- Mutual Conductance: 5800 3200 1200
- Normal Power Output: 150W 300W 150W.
- PRICE $45.95. Sold Only by Reputable Dealers.

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Figure 3. - First Eitel-McCullough advertisement in November, 1934 issue of QST. Feature article in this issue was new equipment for the 224 megacycle ham band. RCA, on rear cover, extolled the virtues of the 852 and the 210. National advertisement featured the HRO receiver. (Where are the snows of yesteryears?)
of the Korean war, the production of picture tubes was halted, and the plant was converted over to making power tubes. During the "fifties", moreover, the company expanded into the microwave region, adding high power klystrons, travelling wave tubes, planar triodes and other exotic items to the standard product line. The giant microwave klystron, the X-626, developed a peak pulse power output of 10 megawatts with a pulse length of 10 microseconds.

The decade of the "sixties" brought the development of the famous line of zero bias triodes, including the 3-400Z, 3-500Z and 3-1000Z. In 1965, Varian Associates of Palo Alto, California, bought controlling interest in Eitel-McCullough, Inc. and the company became the EIMAC division of Varian. Still active in the direction of both EIMAC and Varian (and still both active on the ham bands) W6UF and W6CHE often think that sometimes it pays to be crazy.

(You'll find W6UF operating now from his extensive farm in Nevada as WA7LRU on high speed 80 meter c.w. W6CHE is often found in DX pileups on 20, 15 and 10 meters with his 4 element Quad).

ANOTHER TRICK TO REPAIR A.F.T.

Using an ohmmeter, place a fine needle on one terminal and the other on the outside connection of the open winding. Probe windings with needle until you get the highest reading. Note the location, tin a sharp piece of strong fine wire and drive it into the hole. Fold back outside lead and fasten secure to A.F.T. frame and run to open terminal -- and you're in business again... (W2HDR)

SILENT KEYS

BLAN "The "Radio Man", New York City
A long time dealer in old "Radio Row"
A.W. MUSGRAVE (W5ZGZ) Emporia, Kansas
HAROLD BURKHOP (W4ZL/3ZL, ex-9Rw) Dafeter, Michigan
ROB ROY (W0HR) Canton, Ohio
HERB WESCOTT (K2BBJ) Rochester, N.Y.
HAROLD GREENWOOD (W6EBA) Glendora, Cal.
Author of "Wireless and Radio"

REMARKABLE JOB

The 1971 YEARBOOK published by the Society of Wireless Pioneers can be summed up in one word "terrific!"

Bill Breniman puts all other editors to shame -- the time and material one man devoted to one publication is unbelievable until one sees the Society's 1971 Annual -- 120 pages chock full of historical information, stories and pictures for the commercial radio operator.

Even the layman will find interesting bits of information. Did you know, for an example, the United Fruit Company's "Great White Fleet" had a very good reason for painting their vessels white? Shipping bananas from Central America required refrigeration and a white vessel lessens the temperature problem by 10 degrees!

A.W.A. BADGES

The large orange badges worn by members at radio meets are again available. The badge has a large plastic window and insert which the wearer writes his name and other identification. A masthead and old radio call letters surround the opening.

Send $1 to:

Lincoln Cundall
69 Boulevard Parkway
Rochester, N.Y. 14612

FERROWATT ELECTRICAL MUSEUM

673 Great Western Highway
Feulconbridge, N.S.W.
2776
AUSTRALIA

A.W.A., members visiting Australia will find this museum of great interest. Hiding under the name "Ferrowatt" is our old friend Fin Stewart, well known tube and lamp collector/historian. In addition to a huge collection of tubes, Fin also has a fairly large display of early equipment. He has on several occasions swapped material with American collectors and contributed to the AWA Museum.
1933 station at W2NX, Bayside, N.Y. consisting of Collins 32B transmitter and SW-3 receiver. Not seen is the 160 meter tone layout with a pair of T55's in final modulated by a pair of 203B's. Standby rx is early 25 volt tube HRO.

BACK ISSUES
The following back issues of the OLD TIMERS BULLETIN can be purchased at $1 per copy:

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Orders filled until supply exhausted. Issues other than those noted NOT available at this time. Note: Vol 10 #4 is the INDEX ISSUE. Order direct from Secretary:

BRUCE KELLY
MAIN STREET
HOLCOMB, N.Y. 14449

Orders will be filled in January after Xmas mailing. No orders will be filled after February 1.

A.W.A. PROVIDES EXHIBIT in Electrical Engineering Building at SYRACUSE UNIVERSITY

Pursuing our objective as an "educational organization", the Association is currently providing an exhibit of early television equipment in the main lobby of the Electrical Engineering Building, Syracuse University.

A.W.A. is doing this with the cooperation of Dr. Howard Card, Professor of Electrical Engineering.

Dr. Card found much material of interest in the A.W.A. Museum and indicated he would like the Association provide different displays for a 4 week period each year for the next three years. The University provides insurance on all equipment on loan.

OLD Tyme CW Contest on 20, 40 and 80m. Everyone eligible-- old and new xtnrs. See details elsewhere in BULLETIN.
The sudden interest in classic receivers of the 1930's prompts us to print the circuits of the famous Hammarlund "Comet Pro" and "Comet All-Wave (1933). A careful study will show two major differences: The front end tuning of the "Comet Pro" has bandspread whereas the "All-Wave", designed for SWL use, does not. The other difference is in the output: the "All-Wave" came equipped with a dynamic speaker and used the field coil for No. 2 filter choke.

The HOLTZER-CABOT Company was organized in Boston in 1889 by Charles W. Holtzer and George Cabot.

OUR COVER: reproduced from early Pacific Coast publication "RADIO"
Station LBOG erected by members of the Radio Club of America at Greenwich, Conn. It was the first station heard by Paul Godley in Ardrossan, Scotland, December, 1921. (Note Paragon receiver. The transmitter was a MOPA using four 204's.)
COLLECTING FOR FUN AND (MAYBE) PROFIT

a forthright examination of acquisition—its aesthetics, arcana and financial realities

The above title headed an article in the September, 1971 issue of PLAYBOY

Yes, PLAYBOY magazine! Of all the articles written on the subject of collecting (anything and everything) this one is by far the best.

The author (Michael Laurence) had a wealth of material on hand from which he drew his conclusions. There are collectors of doorknobs, Shirley Temple memorabilia, stagecoach passes, empty beer cans, Kewpie dolls, etc.

The author covers everything from Rembrandt paintings and old books to common postage stamps. He is a clever writer and makes the collecting hobby a fascinating subject. There are five kinds of collectors: the conservative, speculative, expert, synergistic and the utilitarian.

By all means try and find this back issue and read about yourself! (Playboy Sept., 1971)

BITS OF WIRELESS by Jack Gray

This fine book written by former member W8JDV is still available. Originally written for visitors to the Gray Museum, it still provides a detail and illustrated writeup on various pieces of equipment and the manufacturers.

Available for only $2.25 postpaid
Write: John Bruning, WD8ER
6307 Fairhurst Ave.
Cincinnati, Ohio 45213

Building an old time transmitter?
See November issue "CQ" magazine for article by W6GAI.

WIRELESS WORLD
60th Birthday Issue
April, 1971

This worldwide magazine published in Great Britain celebrated its 60th Birthday (April) with a series of well written articles of value to the historian.

Initially printed under the name MARCONOGRAPH by the Marconi Company in 1911, it changed its name two years later to WIRELESS WORLD thus making it one of the world's oldest radio publications.

The Editor summarizes wireless development in England and tells of material printed over a 60 year span. Other articles cover progress in audio amplifiers, speakers and phono pickups while still another section pictures broadcast receiver evolution.

Some difficulty may be experienced in obtaining this particular back issue but it will be well worth the trouble to the serious historian seeking the British viewpoint on radio history.

(Guss Worthy)

GREENWOOD'S BOOK
(Revised Edition)

This popular reference book has just been released after a complete review. We haven't had an opportunity to see it yet but understand it has been updated, several small errors corrected and a new section of historical data added by W6AX.

Sale price: $3.95
Write: Morgan McMahon
26451 Dunwood Road
Rolling Hills
California 90274

Books—New or Annuals

Members have written asking source of station listings, callbooks, etc. One such dealer is:

GILFER Associates, Inc.
PO Box 239 Park Ridge, N.J. 07656

Write and ask for their latest list which is quite lengthy and includes books identifying worldwide broadcast stations, shortwave, TV/FM, VHF/UHF, Police/Fire/Aeronautical, etc. plus the familiar Radio Amateur Callbook.

OLD BOOKS pertaining to radio, telegraph, telephone and electricity may be obtained from book dealer:

A.D. Santomaso
1255 Boulevard
New Haven, Conn.

We have never purchased books from him but his lists appear to be fairly extensive and the prices reasonable.
New Members

who are or have been in the communication field.

George Hausske, W9OLE, Inspector Naval Radio
Rod Phillips, WA3ABC, W9IL/W9SC/W9AJ
Douglas Houston (Detroit) Electrical Design Engineer
Bobby Hill (Richardson, Texas) (Texas Instruments Inc.)
Claude Sheets (Cutter, Ind.) Ship Operator/broadcast engineer plus 19 yrs. sound engineer with 20th Century Fox
Wm. Clark (Ashland, Ky.) Navy radio
Roy Armstrong, W5PA, Ship operator
William McGuire (Oregon, Ohio) Marine and broadcast radio
Rene Julian, W7ANG, Bell Labs
John Chenoweth, W5CAE, Delco Products
Vernon Dillaplain, W5EEO, Little Rock Radio/TV broadcast
Al Germond (Springfield, Ill.) Station WTVX AM/FM
Roy Usher, W6SA, St. Albert, Alberta Stations CPRN/CXUA
Arthur Aselting (Ann Arbor, Mich.) Kadette & Arborphone companies
Bert Alton, W6GR, Raytheon Company
H.L. Spencer, W2SA (ex-SEARM) Commercial Service
George Bullock (Augusta, Georgia) Senior Video Eng. WEDW-TV
Dr. Myron Shaw (Geneseo, N.Y.) Stations WAND, WMDN, WUOM, WJGU, WROC
Robert Conners (West Linn, Ore.) Tektronix, Inc.
James Lindsay, W5GY, ex-WBES Former owner KNIX
C. Hart Arnett (Ozona, Neb.) A.T. & T and U.S.N. Radio
Richard Breveter (Fishkill, N.Y.) Elect. Engineer Westinghouse
Laurence Gray, K3AK, Communication Satellite Corporation Labs
Don Erickson, W9IPA, Amer. Tele. & Tele.
John Leonard, W2ANG, Western Electric
Albert Woody, W9JB, Marconi and RCA
Wm. Shedlock (Freeport, N.Y.) Eng. Stds. Lab, Sperry, etc.
Samuel Partin (Lee's Summit, Mo.) W.E. and Greystar
John Tessier (St. John's Newfoundland) Engineer Newfoundland EC Co. CJON
Carl Benz (Geithersburg, Md.) Engineer Bechtel Corp.

THE BLOOPER

A little story by Jack Rhodes

Victoria, British Columbia, Canada

In the early days of radio, many of the receivers were of the three-circuit regenerative type. When operated just below the point of oscillation, these sets were very sensitive and selective. In an oscillation condition, they were used to find weak stations and for the reception of C.W. But the resulting radiation interfered with neighborhood receivers by causing a beat or bloop with stations being received on nearby (and occasionally not so near) radios. Hence the term bloop.

The set was popular because it provided the most for the least. The real test of a radio was the ability of DX fans in North America to get Australian stations and vice versa. One of the early American stations to bridge the Pacific was KGO in Oakland, California. All of which lead the WIRELESS WEEKLY in Sydney, Australia to publish in 1927 this ode to . . . .

THE BLOOPER

When Jenkins hunts for KGO,
For miles around the listeners know
Who twists and twirls his radio -
"That's Jenkins!"

With whoops and howls the heavens abound,
The local stations fade from sound,
And fiercest static goes to ground,
For Jenkins.

But Jenkins with his one-tube set
Has never logged that station yet,
No KGO can Jenkins get -
Not Jenkins.

Yet always have I yearned to know
If, in their Oakland studio,
Our Yankee friends of KGO -
Get Jenkins?