LAST MINUTE VISITOR AT A.W.A.

OOTC "Spark Gap Times" Publisher

Just before we sent this bulletin to the printer, Rob Roy (W8HR) and XYL dropped in and spent the evening. Being former natives of the area, they stop every now and then for a visit. Aware of this, Ken Gardner, W2BNH, rounded up 15 OOTC members, wives and friends for a dinner and "open house" at the club's museum. It was an opportunity to say "hello" and reminisce since many had not seen Roy for over 30 years. W8HR is the fellow who prints the OOTC bulletin as well as edits their "Blue Book".

Editors W8HR and W8ICE. In the background one can see various quench gap transmitters and other early commercial apparatus.

TUBE PHOTOGRAPHS - the March/April issue of Bell Lab's "REPORTER", a paper for the employee, contained an interesting story about Gerald Tyne's historical tube collection. We were particularly impressed with the photographs which were of salon quality - something unusual in a technical journal. Lighting, composition and originality made the pictures the best we've seen in years. Result: we just received permission to reprint part of the article including the photos which will appear in the Fall issue...

ootc members-W2BAW, W3LNP, W2CTA, W8HR, W2BNH and W6QY. (All AWA officers except W2ICE are OOTC members. Kelley lacks almost ½ years to qualify for the 40 year mark.)...

W®HER - UNIVERSITY HISTORICAL MUSEUM at Cleveland, Ohio, may soon have many fine pieces of early gear from the late Ellis Smith (W8QV) estate. John James, W®IRM, has been assigned the task of restoring necessary equipment and prepare the display which consists of a complete spark station (Thordarson/Acme/Chambers) and associated receiving equipment including a Marconi 106B. John promises to send us a picture when completed.

DEKORNOS OLD TIMER'S NITE was the usual success with Geo. Bailey, W2KH as guest speaker. Many A.W.A. members attended including pioneers Tom Appleby, W3AX and Dan McCoy, W5DG, who had an opportunity to tape record their early experiences.

SPRING BULLETINS AVAILABLE

The big spring bulletin with the "museum and tube listings" brought an overwhelming number of requests for extra copies and we soon ran out... BUT - we now again have extra copies at 50¢ each postpaid...
SPRING MEET

Over 30 members and their wives moved in on Bob O'Neill (K2AXE) at Ithaca, N.Y. April 25 for the Annual Spring Meet. This was the first time for some to see Bob's Amateur Museum which was well worth the trip for some had traveled considerable distance - Bill Laverty and Pete Rossmann from Pennsylvania and Nick Ziroli from Connecticut.

Bob's collection was beautifully displayed in a built over garage located near the rear of his home. Here the "gang" had an opportunity to see many pieces of real early commercial gear as well as shelves of amateur and broadcast equipment. Several receivers were in operation including an early Grebe working into a horn speaker. If you haven't tuned a regenerative receiver recently - you're in for a surprise! - - the feedback adjustment can be real tricky.

The group adjourned to a nearby restaurant where they enjoyed a beef dinner. Announcements and business was kept at a minimum with the discussion centering around the latest 'buys' and who found what in an attic! The fellows had an opportunity to see and admire a replica of a de Forest audion and a Fleming valve sent to the A.W.A. by W6IS (see article in last OTB).

The day came to a close as several opened the trunks of their cars and displayed old gear and offered various items for sale or swap.

"THE OLD TIMER'S BULLETIN"
A news bulletin printed for members of the Antique Wireless Association.
Editor: Bruce Kelley, W2ICE/QCP
Publishing Editor: Larry Triggs, W2YBK

ANTIQUE WIRELESS ASSOCIATION
A.R.R.L. Affiliate
An organization documenting the history and technology of wireless and the work of its pioneers.
Club Station: W2AN
Annual Dues: (including the "Old Timer's Bulletin", certificate and other benefits) - $2.50 per year payable to Club Treasurer:
Lincoln Cundall, W2QY
69 Boulevard Parkway
Rochester 12, New York

OLD TIMER'S NITE, Oakland Radio Club, Friday P.M., Nov. 5 Special program for the old timer. Write W6ELW

Bill Laverty (left) looks at Kelley with disbelief as Earle Young (background) and Ken Conrad shake with laughter.

Ken (W2FGN) smiles as John Haggerty (right) recalls an incident 50 years ago...

Time out for swapping gear in the parking lot...
Several new items have been recently received at Headquarters. First, Ralph Thomas, K9HUK, left Hawaii and returned to New Jersey. Before leaving he found several real early measuring instruments which he sent us. They are of great historical interest since they were used at the original Kahuku Marconi station before WWI (See page 299, Bacher's book "Wireless Telegraphy"). W6FQ has already started to restore them and they will soon be on display. Thanks to W6ELW who assisted in shipping.

A "stock ticker" is a prize item for the landline historian. We have one! It is in beautiful condition and was given to us by Western Union. This particular "ticker" is a real early one—we judge it was made around the turn of the century. The internal gear works, etc., fairly shine inside the huge glass dome. To complete the picture, a roll of tape was left in the machine with old time quotations!

Along this same line, we might mention the A.W.A. has several early Morse registers. The earliest one was picked up several years ago and was used on an old railroad line going into the Adirondacks. All records indicate it was made sometime between 1855 and 1865. It is the type using a weight to actuate the moving parts. A more recent one (1890) was mentioned in the OTB last year and is the familiar windup type. The club now has a fair collection of "landline" instruments with its 1915 W-U operating bench, huge W-U clock, several resonator boxes, primary cells and a very large collection of relays, sounders and keys some dating back to the early 1850's!

Other new items include a few pieces from M.I.T., resulting from a recent house cleaning. In the group was a Kennedy 110 in beautiful condition, a W.E. monitoring receiver using peanut tubes, and the choice of the lot—several real early cable relays and a "cable puller". The latter is mounted in a wooden box and appears quite historical. The cable relays are all high speed type with glass covers and made in England.

Most interesting of the new items are 2 replicas sent to us by W6IS. One is a de Forest spherical audion which has been examined by a goodly number of local members including tube historian Gerald Tyne. One can hardly tell the difference between this tube and the original except for the word "replica" stamped on the plate. The other tube is a Fleming valve which fits perfectly into the British Marconi 1910 multiple detector unit pictured on the first page of the 1960 Fall issue of the OTB.

Lastly, John V.L. Hogan Jr., W7TUN, gave the Association one of the first pre-WWII HRO's which used 2.5 volt tubes. It will be used in the club's station W2A for 'standby' purposes in case the 1922 or 1929 receivers breakdown or QRM is too heavy. It came complete with a complete set of coils (6) including the longwave one. And then we must not forget the beautiful cast aluminum Benwood gap presented personally to W2ICE by Peter Rossman. This makes 2 different type Benwoods on exhibit—the other being an inferior bakelite one.... In closing, the Association wants to thank W2HII and W2QY for the very fine work they have been doing in restoring much of the club's old gear......

"TITANIC" true story will be told by Charles Ellsworth in a future magazine article. WITU has authentic information from Lloyd's of London and other sources which heretofore has not been published. We'll keep you posted on publication.

ARIZONA MUSEUM—Bill Gould, K2LHY, writes he recently visited a museum at Ft. Huachuca, Arizona which proved quite interesting. In addition to military equipment, they had early radio and telegraph gear including an early de Forest Audion with exhaust tube still attached! The Curator, Orville Cochran, turned out to be an extremely friendly fellow. Stop in if down that way.

AMATEUR RADIO STAMP—many of you may have saved a couple of these stamps as souvenirs—but the trick is to have a First Day Commemorative Envelope or set of matched plate blocks. A set was given to A.W.A. by Bob Colquhoun, WZ2E. They are mounted and are now on permanent display in the museum. Tax Bob!

NEW HAMPSHIRE VISIT over the Memorial Day weekend provided an opportunity to stop in and visit our old friend Bob Shaw and wife Judy. Bob is the bearded gentleman who has a modest collection of early BC sets and other items. I recall seeing a nice Federal 39, a Zenith 48, a Murdock C.S. 32, a Grebe, Paragon III-A and a Kennedy Portable 311 which Bob said he picked up somewhere out west on one of his trips. Among the many other items was an odd-ball 1 tuber with a very very low loss inductance which looked like a spring! Our host, with his usual charm and wit made it a well worth visit. B.K.
National Get-Together

ANTIQUE WIRELESS ASSOCIATION

OLD TIME AMATEUR AND COMMERCIAL OPERATORS, COLLECTORS AND HISTORIANS

QTH: MASON, OHIO "THE HOME OF PIONEER 500 KW. WLW TRANSMITTER"

OCTOBER 8, 9 & 10, 1965

Hosts: JACK AND RUTH GRAY -- GRAY HISTORY OF WIRELESS MUSEUM

-- Schedule --

Friday: Evening "Get-together" at the museum for the early birds.

Saturday: Full day of programming including-

- Informative talks on historical radio
- Demonstrations of early equipment
- Exhibit of member's equipment
- "Swap or sell" table of old equipment, books and magazines
- Special tour for the ladies in the afternoon
- Tour of nearby pioneer WLW transmitter
- Luncheon at Methodist Church ($1.25)
- Banquet at Congress Inn (Dan McCoy, W6DG, M.C.)

Sunday: Breakfast and final "gabfest"

If you attended either the 1963 or 1964 "Meet" you know you are in for another wonderful time. If you didn't - you're in for a pleasant surprise. Here is the opportunity to meet the "gang" from all parts of the country. Less than a day trip by auto for most and only a few hours by plane from any part of the country to nearby Cincinnati Airport.

ADVANCE REGISTRATION ABSOLUTELY NECESSARY. MAKE OUT CHECK AND MAIL TO:

CHARLES STINGER, W8GFA, 3020 GREISMER AVE., HAMILTON, OHIO

COMPLETE PROGRAM INCLUDING LUNCH AND BANQUET:

$6.25 or $11.50 per couple

SPECIAL RATES FOR A.W.A. MEMBERS AT CONGRESS INN -

2 people (2 beds) --$12 2 people (1 bed) --$10 1 person --$8.50

(Charles Stinger will make reservations)

SEE YOU OCTOBER 9TH IN MASON!!

SET CATALOG AND INDEX by R.H. Langley - is a complete listing of ALL receivers manufactured between 1921 and 1933!! It contains in alphabetical order by manufacturer: the year made, model number and name, style, price, number of primary dials, number of tubes, power source, type circuit and number of stages.

There are 115 pages with an average of 70 to 80 receivers per page giving a total listing somewhere between 8000 to 9000 different receivers!!!

Is this fantastic catalog available? The only original copy we know of is one in the New York City Public Library. A copy was sent to us by Elliott Sivowitz. Any member have an original?

VHF HISTORY - can be found in Chapter I of the new A.R.L.'s "VHF MANUAL" recently written by Ed Tilton. Although brief, W1HDQ does an excellent job in outlining the many historical events and developments leading up to present day VHF/UHF communication....

K2DZ now W2KN - the F.C.C. checked into their old records and found that OOT Perce Collison was W2KN in 1912. Very obligingly, they gave him back his old call after 53 years! W2QY recently received a letter from Perce recalling some of his early experiences which we hope to summarize and print in a future "GET" - real fb copi.....

EIFFEL TOWER "FL" - want more info on this famous station? A well written article with excellent photos appeared in the Oct. 17, 1914 issue of SCIENTIFIC AMERICAN. The author is none other than John V.L. Hogan.

MEASURING INSTRUMENT - the first instrument which provided the means of accurate measurement of hearing, the original audiometer used by Dr. Edward Prince Fowler, has been donated to the Smithsonian Institute. First used in 1922, and serving as a model for later audiometers, it has become an exhibit in the Institute's Museum of History and Technology. (Mary Barrett)
POLICY

To prevent future misunderstanding, the Officers would like to repeat the following policies concerning the Bulletin and the Club's Museum:

1. Material for sale or swap in the "OLD TIME ADS" must be over 25 years old and of electrical nature. There will be no charge. The Editor has the right to reduce the size of the ad.

2. The membership poll taken a few years back indicated that the readers wanted more news items and less articles - the thought being that lengthy articles should be published in magazines and the OTB would tell you where to find them. It has therefore been the policy since the Winter 1962/63 issue to keep ALL material 3 pages or less.

3. The publishing of the Bulletin is one of the several projects volunteered by members. Lack of time and help by these volunteers may cause cancellation in which case members will receive a refund in proportion to their dues payment.

4. As stated in an earlier Bulletin, the A.W.A. will no longer loan out film shows because of lack of cooperation from users. In the future all A.W.A. shows must be obtained direct from A.R.R.L.

5. Material in the Club's Museum is NOT available for swap or sale - the only exception is when the owner is willing.

SILENT KEY

AUSTIN PARCHURST, 79, May 10, in Washington, D.C. Pioneer commercial wireless operator and engineer. He installed station on Swan Island and managed many early installations. (reported by several members....)

NEW ENGLAND MEET

Some of the fellows at Bob Merriman's barn museum, l. to r. - Bob Shaw, Fred Penard, Bob Merriman, Selwyn Blake and El Cummings - who sent the photo. We believe Russ Worthy took the picture. No other info available about the meet.

RALPH HAMNETT'S MUSEUM, 3434 E. Oakwood, Decatur, Ill. A nice collection of BC gear plus some commercial. W9UIA welcomes visitors - better give him a call in advance however...Tel. 422-1996

TWO A.W.A. MONOGRAMS were recently re-printed in national publications. First, Jack Gray's "GREBE STORY" appeared in May issue of "CQ" magazine. Jack wrote this historical record originally for the A.W.A. in the Vo.3, No.4 issue of the OTB. An excellent piece of research, W9JDV's article deserved a re-print for everyone to read.

Next, members of the Old, Old Timers Club had the opportunity to read Dave Middelton's fantasy "They Always Come Back" which he wrote for the 1962 winter issue of the OTB. An original story with a novel twist, it brought back many memories to the old timer. Of particular interest is that the Spark Gap Times editor re-published the A.W.A. monogram exactly the way we printed it including the famous sketch used on all of our membership certificates....

WOLLASTON WIRE - more info concerning this wire used for electrolytic detectors was received from Perce Collison. Seems this rare product can be purchased from ENGELHARD INDUSTRIES Inc., 113 Astor St., Newark 14, New Jersey.

Wollaston wire has an inner core of platinum with diameters as small as .00002" ! ! ! Since it is impossible to draw wire to such a small diameter, a much larger diameter platinum wire is first produced by conventional bare drawing methods. This wire is then coated with a fairly heavy layer of silver. The end result is then bare drawn until the outer silver jacket has a diameter between .001 and .002" and an inner platinum core of .0001 to .00002" !

The finish product can easily be obtained by merely dipping the wire in an acid which removes the silver leaving the small bare inner core of platinum............
Hammerlund MIM-125 Capacitor

Anyone have such a condenser in their spare parts box? It is needed to restore an old transmitter, will pay any reasonable price. Write Bruce Kelley, Holcomb, N.Y. who will give additional info.

HOMERD RADIO - (mentioned in last OTB)

Interesting info on this company can be obtained from Bert Hall, W6CF, at 1613 So. 3rd Ave., Maywood, Ill. 60154

"MUSEUM LISTING" received a swarm of grateful letters. Add this one to the list: CHARLES HENRY, 6705 Caldwell Avenue, Chicago, Ill. (Tel. 312-763-1136) Primarily books and written material. Has some gear.

FRANK ANGELO D. ANDREA - is easily recognized as the Founder of FADA. His last name was D'Andrea - but he dropped the apostrophe to form the well known initials. The life story of this pioneer appeared in the Sunday, April 25 issue of the NEW YORK JOURNAL-AMERICAN. Very well written, it tells how he worked with Marconi, E. J. Simon, de Forest and others and finally formed his own company in 1921 in the Bronx. Several small plants were eventually made into one large plant (1927) in Long Island City.

As an early television company, they turned out their first TV set in 1938 and displayed a 12 inch tube console model at the World's Fair in 1939! What happened to Frank Andrea? This 76 year old pioneer still reports to his office every day and the sign on his office door sums up his outlook on life - "DON'T KNOCK - JUST WALK IN". 
(Frank Pagano and Journal-Amer.)

"F50 YEARS OF A.R.R.L." is the title of a new book just released by the ARRL (July). A full size publication of 151 pages, one can follow the history of amateur radio for the past 50 years. Fully illustrated - it is well worth the price - send only $1 to A.R.R.L., Newington, Conn.

NAT ACTIVITIES

60 METER CW NET
First Wednesday of every month
8 P.M. 3525 kc.
W2QX - Net Control
KD2F - Assistant

75 METER SSB NET
Summer QRN has just about closed down this group, however, they can be heard occasionally around 3906 kc. on Tuesdays.

W2AN on 3880 kc.
The club's station W2AN can be heard occasionally operating AM around 3880 kc. A 1925 W.E. microphone is currently being used. Definite schedules will be announced in Full Bulletin.

MARION LOOMIS - we overlooked this one but the January issue of "Technician-Engineer" magazine carried an interesting and well illustrated article on this early pioneer. If you're a Loomis fan you'd better add this one to your files. (Bob Cobaugh - W6PR)

JOHN GOUGH - AWA MEMBER IN CANAL ZONE

Here is a photo of John tracing the circuit of one of the many old receivers he has in his collection. His interest in historical radio is only 4 years old but in this short space of time he has accumulated a collection of over 50 sets which is unusual considering his location in Central America. He is a friend of Floyd Lyons who usually stops in on his trips to South America.
RECENT A.W.A. SCOOP

"Dr. Jack Williams, K2JFV, interviews French BAB"

One of the outstanding events in amateur radio and shortwave communication occurred on Nov. 27, 1923 when Reinartz and Schnell successfully contacted amateur radio station French BAB for the first transatlantic contact. The owner and operator at the European end of this historical QSO was Leon Deloy.

Leon retired from amateur radio activity many years ago and has become somewhat of a mythical figure in historical radio since he no longer makes public appearances or grants interviews.

Knowing that Jack was going over to France again, we suggested he try and visit BAB even though we had been warned by many French amateurs that the chances of seeing Deloy were very slim. Obtaining his address from an associate and armed with the spring issue of the A.W.A. Bulletin, tape records and camera

MUSEUM PROGRESS - The Bloomfield/ Hoke County Chamber of Commerce recently voted $400 for legal fees, etc., necessary to incorporate the Town's non-profit Library/Museum Association. This is the 2nd step necessary toward the public building to be used as our science museum which we hope will ultimately house our equipment. In the meantime, local members have given the present museum a temporary face-lifting job. Additional windows have been cut in and a new floor laid downstairs...see next OTE for photos.

FRANK SMITH (W5VA) has restored or completed several historical amateur station setups including a spark station with a CRL Paragon, Acme 2 mxr, sync gap as split OT...another as a de Forest Type "C" radiophone, etc. He has sent us several photos of the gear and it looks real clean...we often wonder how he finds time for all this since we see his call (W5VA) frequently popping up as an active DX station...

TELE "buffs" will be glad to know that there is now another book on this early inventor titled "Lightening in His Hand - the Life Story of Nikola Tesla". No other info available. (Joe Pavek - W2QEP)

AMERICAN MUSEUM OF ELECTRICITY has set a completion date: 1968. News items come in every now and then on their progress. One of the latest acquisitions is a very early electric locomotive made in 1894. (Col. Weir, K2POI)

ANOTHER LONGWAVE STATION - The Navy's new $70-million VLF/URF installations 890 miles north of Perth, Australia, are described in April 17 'Business Week'. The big towers are due in place September 6 but were said currently to be running behind schedule, probably due to the horrendous climate, with temperatures at 130 F., 130-eph cyclones and 20-inch tropical downpours! The complex will serve fleet elements in the Pacific and Indian Oceans. Signals ought to be S-9. The power plant is 16,000 KW! While the Navy is rather tight-lipped about underwater reception (sub), evidence is that with several million watts input, such propagation is possible, both from Cutler and Perth. The UHF installations, of course, are necessary for sub-to-shore transmissions. (W2YBK)

2000 MILES WITH MAGNETIC DETECTOR was a record for Dick Johnstone when he was 'sparks' on the old coal burner "SS ACAPULCO". He heard Canadian station WAE - the time was 1912. Other equipment on board was a detector using a Fleming valve and the well known Marconi 10" spark coil for transmitter.

Incidentally, his book mentioned in the last bulletin is a terrific buy.

BOB CHIPMAN and LLOYD ESPENREICH - As a result of Bob's article on de Forest in the March issue of "Scientific American", Lloyd followed up with an interesting letter in the May issue which is well worth reading.

Bare photo of the card Deloy received acknowledging the first transatlantic two-way shortwave contact....
April 24, 1965

Mr. Bruce Kelley  
Editor, The Old Timer's Bulletin  
Holcomb, New York  

Dear Mr. Kelley:  

I wish to compliment you for the fine Spring of 1965 edition of The Old Timer's Bulletin, especially for the numerous articles referring to Dr. Lee de Forest and his numerous inventions which contributed so greatly to the radio art.  

Having started my radio career with Dr. Lee de Forest in 1904 at his wireless exhibit at the St. Louis World's Fair and continuing my association with him throughout the life of the American De Forest Wireless Telegraph Company until 1907, when the company was reorganized and its name was changed to the United Wireless Telegraph Company, later to be consolidated with the American Marconi Wireless Telegraph Company in 1912 and finally becoming known as the Radio Corporation of America, naturally I am always interested in reading about Dr. de Forest and his inventions.  

In 1952 I became the first president of De Forest Pioneers, Inc., and ever since 1953 its secretary, which is good reason for my continued interest in De Forestana.  

When one stops to consider that without De Forest's greatest invention (the three-element vacuum tube), we would have none of the following named inventions as we know them today: radio, television, radar, talking motion-pictures, transmission of photographs, guided missiles, pictures from outer space, electronic computers, musical recordings and thousands of other electronically operated devices.  

Unfortunately most great inventions cause annoyances to the real inventor; by some "fonsy" bobbing up and claiming priority over them, such as the Wright Brothers, Alexander Graham Bell, Marconi and de Forest and many others. However, after encountering many of those fakirs, one learns how to properly appraise these claims and take them only at their face value.
The picture of the Wireless Institute pin interested me considerably as I was one of its founders. Robert H. Marriott, a very capable radio engineer, being the other founder. In 1909 while I was manager of the United Wireless Telegraph station "WA" on the roof-garden of the original Waldorf-Astoria hotel, at 34th Street and Fifth Avenue, New York, now the site of the Empire State Building, Bob Marriott and I succeeded in getting twenty-two other radio men in New York to sign up for membership in the Wireless Institute, making a total of twenty-four Charter Members.

Robert H. Marriott was elected president and we held regular meetings in Fairweather Hall at Columbia University in New York. I designed the pin pictured in your Old Timer's Bulletin. The broken circle pictured with a ball on each end represents the first Hertzian antenna which measured exactly one meter in length. Each Charter Member pin had a number engraved on the back, 1 to 24. Number 1 went to president Marriott and I took number 24.

After three years the Wireless Institute consolidated with another group known as the Society of Wireless Telegraph Engineers, only to change its name to the Institute of Radio Engineers, which eventually became a very important technical society. Many of its members thought the word "Radio" should be used instead of the word "Wireless", hence the change. That was the beginning of the universal use of the word "Radio" as a substitute for the word "Wireless".

With reference to the article about the "Anchor Gap". Many radio engineers wondered why Dr. de Forest ever placed the anchor gap in the antenna circuit. The real reason was to get around the Marconi patents without infringing. The Marconi patents stated that the antenna was to be connected to one side of the transmitter spark gap. By placing the spark gap in series with the antenna, the antenna was in no way electrically connected to the transmitter and in that way the De Forest Company was allowed to remain in business.

With two points at the top of the anchor gap a way was also provided to charge a multiple wire antenna that was connected at the far end from the transmitter, instead of charging a single wire antenna. When the key was closed the spark jumped the gap and charged the antenna with a considerable dampening effect.

Enclosed you will find several old radio pictures and articles, any of which you have my permission to use, should you care to do so.

I look forward to seeing your Old Timer's Bulletin regularly. Wishing you continued success in keeping old timers informed.

Sincerely,

E. N. Pickerill
CREATIVE FEEDBACK article in last OTB by Charles Henry brings a letter from our friend Grote Heber down in Tasmania (Australia). Grote reminded us he wrote a historical article on the subject in the July, 1959 issue of "Proc. of IEE". His hobby is checking old time circuits for frequency response, general characteristics, etc. He is very interested in making some curves on a 3 stage audio amplifier regardless of manufacturer... anyone have one?

MORE ON DE FOREST-LOGWOOD NEUTRALIZATION

While we have no one claiming to know the existence of an early 3 stage de Forest audio amplifier with the Logwood invention of inverse feed-back, we have some interesting background information. Mr. Wm. F. Cotter, Chief of Research and Development at Federal Tel. and Tel. Co., 1922-25, recalls the Logwood claims in a letter to Charles Henry dated this April 21st... quote: "Horle was Chief Engineer of de Forest Radio in the early '20s before he left there to devote full time to Federal. He was of course, intimately acquainted with both de Forest and Logwood. Horle's story of Logwood's suppressing amplifier 'sing' was brought out in the Armstrong-de Forest patent litigation. Such a scheme was used in the multi-tube audio amplifier built by the French in WWI. Hazelتين's patent was of different order. The principle of negative feedback could not be patented. All Logwood had (and it WAS something) was a capacitor connected between grid #3 and grid #1. Hazelتين's patent comprised a winding at substantially unity coupled to the second stage input inductance which fed through a small capacitor, a voltage opposite that of the of the voltage appearing by plate-grid positive feedback on the #1 grid... don't forget, too, that Hazelتين's patent was beautifully promoted."

Bill Cotter is now retired and lives in Canandaigua, N.Y. - only a few miles from A.W.A. Headquarters.
- - - Charles Henry

HOWARD PYKE ("YS"-W70E) is still grinding out interesting material for the radio man. He tells us his "MUSEUM STORY" will appear in the September issue of ELECTRONICS ILLUSTRATED which should be on the market about the time you receive this bulletin. Be sure and get this copy since the A.W.A. as well as many member's museums are described. "YS" also just came out with another license manual which should be of interest to the amateur seeking the First Class Operator's License.

RECENT A.W.A. PROGRAMMING

Syracuse Annual Hamfest, April 24
A.W.A. Show "120 YEARS OF BASS-FOUNDING" presented by W2ICE
Northern New York Hamfest, May 6
A.W.A. Show "The World Above 50 Mc." presented by W2UTH
Western New York Hamfest, May 22
A.W.A. OLD TIMER'S LUNCHEON and demonstrations by W2QY. (over 320 dinners served!)
Penn-York Hamfest, June 19
A.W.A. Show "THE FIRST AMATEUR" presented by W2UTH
DX Meet - Old Time Stations, June 19

A.R.R.L. NATIONAL CONVENTION recently held out in California was unusually successful. From the historic point of view - we note that several of the speakers used early material as part of their talks with Erv Rasmussen (W0YFM) represented the collector with a fine display of early equipment. (Temp Campbell)

IMPERSONATE TYPE DETECTOR using needle and carbon blocks as mentioned in last OTB proved quite a headache according to Dan McCoy, W2IDG. Dan used one in 1906 and says "the slightest jar of the operating table would knock it out of adjustment." Speaking of W2IDG, he is going to be the Master of Ceremonies at our NATIONAL MEET in October. He is well qualified having worked for the old Massie Company, American Marconi, Tropical Radio, etc. Early members of the AWA will remember his excellent article written back in 1951.

CONGRATULATIONS TO "ELECTRONICS" magazine on their 35th Anniversary. This magazine was first published in April, 1930 - we didn't realize it was that old!

The April, 1965 issue carried the first cover sheet which listed articles by Edison, Fleming, Millikan, Kennelly, Goldsmith and other familiar names. Contemporary articles included several forecasts of the future such as an interview with David Sarnoff which for our money was a little 'vishy-vashy'...
(Tnx Jose Garcia)

GENE KEMISH recently had a nice writeup on his collection in the Christian Science Monitor (May 21). The story included a picture of Gene with a receiver that was used on the "SS Carpathia" - the ship that was instrumental in saving many lives of the ill-fated Titanic in 1912. A real historical item. In fact, one of the best!
FLOYD IXON'S COLLECTION

Floyd is rapidly becoming one of the leading collectors in the country. Although specializing primarily in tubes and light bulbs, he also has a fair collection of historical detector units and components.

OLDEST LICENSERS (mentioned in last QST) brought a challenge to W3AX. Bill Travens tells us that James Baskerville received his "Certificate of Skill" on May 25, 1911 at the Brooklyn Navy Yard. Any doubts - Bill will send you a photo of the certificate. This beats Tom's which was issued at the Philadelphia Navy Yard by 2 days. (May 27, 1911)

Along this same line, we received a letter from our friend Mike, W3OOG who tells of early licensing in Canada. Apparently licensing pre-WWI and immediately following was not too strict in the wilds of Northern Ontario - a story in itself. Of interest - the Canadians also had a similar name for their license - "Certificate of Proficiency in Telegraphy".

MORSE SOUNDER OPERATION on your regular communication receiver is easily accomplished by a simple circuit. See page 51 of June QST for circuit and info.

NEW GEAR AT A.W.A.

Receiving equipment - K2AXE, W2IIE
Bill Inverty
UHF and VHF revrs. - J.V.L. Hogan
Historical manuscripts - G. Tyne
Replica de Forest Audion and Fleming valve - W6IS
Stock ticker with glass cover - Western Union
Tubes - W3CWH, W7LBD, W3I, W3GD, W3BB
Meters - W3CWH, W3BB, W3AP, KH5UK
Rare keys - W3LVP, W3AP
Printed material - W3EE, Jose Garcia
Marconi receiver - Floyd Lyons
Benwood Rotary gap - Peter Rossmann
Misc. material - W3AW, W3EE, W3GW, W3I
W3GD, W3AP, G. Tyne

HISTORICAL BOOK BEING WRITTEN by Tom Kennedy of Fort Lee, New Jersey. The author is an old time operator as well as one time Radio Editor and Science writer for the New York Times, the Philadelphia Evening Ledger and the old Pittsburgh Post and Sun. With this background and close association with pioneers such as de Forest, Frank Butler, John V.L. Hogan, Orrin Dunlap and other notables, Tom has a world of material to draw from - some of which promises to be quite startling. As usual we'll keep members posted on publication date.
COLLECTOR'S CORNER

JOHN BROOKMAN is a new member to add to the "Museum Listing". He has a modest collection of receivers plus misc. equipment. New items include several receivers plus some tubes one being a rare audiotron. Address: 3751 Elzie St. San Jose (11), Calif.

TED RANKIN (K3CU) reports a real tube "bonanza". He noted an ad in the local newspaper "Old radio tubes for sale at $5.00" Ted visited the fellow and purchased 92 tubes for $9.00. Most were in original sealed cartons - no real rare ones but all between 30 to 40 years old!

DR PHILPOT (W5FM) located a nice de Forest OT-3 Radiophone transmitter, Federal 61, Kennedy 261 & 521, a Bendix gap, complete Clapp-Westman Type "I" spark transmitter, many early call books, catalogs and magazines plus over 300 early QTH'S - emuf sed....

FRANK FISHER just picked up an Atwater-Kent using 195 tubes. We believe this is a rare one. He is still trying to find someone with info on the Grebe CH-16 or 19. In the meantime about 10 new sets have been moved in his overcrowded quarters. Frank, you'll have to move! This lot included a Freedman 500 neodyne. This was their deluxe model and a beautiful piece of equipment with panel voltmeter, etc. Anyone else have one?

FLOYD LONN is a hard one to keep track of...just before he left on his last trip he picked up 2 de Forest receivers - a DF-700 and an "Everyman Crystal Set"...Floyd just left on another trip and we hope that before he returns we can get a box of gear out to him that is long over due...

BILL LAVERTY is being completely engulfed with equipment - garage, basement, attic and 2 floors of his home! In addition to the regular run of BC sets coming in, Bill recently added an IP-500 and now has over 7 Kennedy's!

HOWARD EVES (W7OE) isn't much of a collector anymore but he did pick up a surplus BC-344-D recently to go along with his BC-312-N and 344 so now he can listen to all the old time longwave stations he is so familiar with.

BILL TRAVERS - still weakens when he has an opportunity to pick up some old gear. The latest is another 1 KW spark station. Fortunately, Bill is open for a little swapping or selling so the stuff gets around. He had a nice writeup in the local paper only a few weeks ago.

RUSSELL HANSELMAN sent us a photograph of two beautiful WWI BC-14A receivers. Of particular interest - one was made by General Radio, July 8, 1918 and the other by de Forest, July 11, 1918. Both are in mint condition and tune exceptionally sharp for crystal sets. Dial and winding posts are similar except one appears better constructed than the other - guess which one?

F.A. NICHOLS (WAKE) found a 12" OT (belfix), a homemade Branly coherer, an arc set with loading coils, some spark coils and a flat loop antenna to his ever growing collection. He and Gene Kerns are "holding the fort for Milwaukee"!

DOUG BARTLETT got a break recently when he found a stack of "Modern Electrics" and "Popular Electricity" (various issues in years from 1911 through 1914) - all for $30 - the entire lot! Don't write him - he knows they're worth several dollars a piece - hi!

PHIL WEINMANN hit the jackpot again as a result of advertising in local newspapers. Result: Marconi 106, a de Forest 1 tube, several sets and about 8 BC sets plus many catalogs including E.I. and Bunnell. Phil has also been visiting what is left of radio row and has picked up a fantastic amount of old parts (Cortlandt St.)

JOE PAVEK (W6OP) radio book collection is growing with well over 150 on the shelf. In the meantime quite a few new receivers have been added plus some transmitting gear including a Boston marble base key, G.R. wavemeter, etc. He also tells us he picked up an old tube with a 201 base (brass) made by the Gilley Tube Co. which has a cylindrical plate. Joe is one of the many who plans to attend the National Meet in Mason, Oct. 9.

KEN STRICKER (WESS) has just returned from a busy trip to Europe where he visited many museums and attended quite a few "ham" affairs. More from him later.

JOHN BAUM (K2VZS) - received an extremely interesting letter from John who appears to be very much of an antique collector including other items than radio. His entire house is a virtual museum with early receivers and telegraph systems in actual operation. New receivers are coming in all the time so we can't even begin to list them. One of these days we hope to have a writeup on K2VZS.
We left the Philadelphia International Airport at 11:05 A.M. on TWA Flight #39 for San Francisco. After a change in Chicago we were soon over Salt Lake City at 35000 feet with the snow capped Sierras moving in. In no time at all we were circling San Francisco and dropping into the Oakland Airport at 3:25 P.M., PDT where we were met by Bill Travers and Paul Giganti (W6GVY). My Scotch plaid tie proved easy identification and I was soon on the way to Paul's home where we met his charming wife Nina and their daughter, also Nina, and son Paul Jr.

West coast collectors left to right: Paul Giganti, Erv Rasmussen and Bill Travers.

The next day we visited Erv Rasmussen in Redwood City and saw his nice collection of early tubes and old time radio gear. His key collection was of special interest to me - one in particular which I identified as a very early Massie Wireless Co. "oil break" type with heavy contacts and oil jar mounted under the table. The key was mounted to simulate a table or desk top and the lever actuated a plunger rod thru the Morse style key above. A very unique piece of equipment and very rare.

Erv's collection of books and magazines were neatly arranged and his files in good order. After taking pix of the "gang" in his backyard, we proceeded to see the Howard Hein collection in San Carlos, not far away. Howard Hein has a vast collection of early broadcast sets as well as some very signifigant old pieces such as an early de Forest variometer tuner and a United Wireless type "D". He also had a W.S.A. Co. tuner which was one of the first to use tap switches for tuning.

In the afternoon, Paul, Bill and I took off for New Almaden in hopes of seeing the fame Perham Museum but on arriving found the place was closed. On the return trip we stopped in to see Ralph Heintz, W6RP, at his orange ranch near Los Gatos. After climbing halfway up a steep hill to the Heintz ranch, we noticed two antennas with beams, so concluded there must be two amateur stations on the property, one halfway up the hill (about 900 feet) and another at the top, which we found out later was Ralph's hideaway.

On reaching the first level we were greeted by one of his assistants who called him at the mountain shack and announced our arrival. Ralph greeted us cordially and showed us around his lovely villa with waterfall, small pond and many colored flowers. What a paradise! He took us into the rancho where we took pix of his wife's station which was surrounded by DX qsls at a neatly arranged console. He is now retired and the firm he founded, Heintz and Kaufman, has ceased operation but we noted that he had kept much of the machinery which was installed in a fine work shop. When we mentioned Eitel and McCullough, he smiled and said those two "boys" use to work for me.

On Sunday we returned to New Almaden as Paul had called Mrs. Perham and had set a firm date to see the museum. We were hoping to see the original Poul sen are generator that we had heard about but Mrs. Perham said it had been transferred to another location. The huge hot air engine which we had heard so much about was there however. I was particularly interested in the outstanding collection of early cable apparatus and Morse keys as well as the very old pieces of electrical apparatus, Wilson D.C. machinery and the like. Mrs. Perham informed us that Doug is now residing in Tepic Nayarit, Mexico and likes the climate very much and may stay there for an extended trip. I obtained a very old Morse sounder with fancy scroll work in gold from Mrs. Perham which I believe is quite rare. After enjoying a fine Mother's Day with the Giganti's, Bill and I left for his place at Pollock Pines, some 150 miles away to the North. The Travers ranch is up in the big timber country at an altitude of 3000 feet with 90 foot cedars in his back yard. Boy, if I could only live here and put up that 'ideal' antenna system for 50 meters! Bill proved as gracious as Paul. We
took several side trips, which although didn't pertain to radio, proved very interesting such as Lake Tahoe, a large lumber mill and an old 'ghost town' of the gold rush days.

Bill's collection consists of some 300 pieces which he is assembling in a large 'reckroom' in the lower section of his rancher. It will be an excellent private museum when finished with some very fine BC sets, many pieces of marine wireless gear and Morse instruments of an early era.

Returning to W6GVY's QTH for a day or two, we finally took off for the Santa Barbara and L.A. area, some 450 miles to the south. Santa Barbara is the home of Vance Phillips, W6GH, who has one of the best private museums on the west coast. We spent an evening here going over his fabulous collection housed in a building at the rear of his property. Vance seemed glad to see us as it had been some 12 years since we last met.

After visiting some extremely interesting layouts operated by several steam "buffs", we ended up at the home of Bill and Lou Moreau, W6BBO, in Altadena. They were most happy to see us since we hadn't seen them since they left Johnstown, Penna. several years ago. Lou had a wonderful steak dinner awaiting us - she sure rolled "out the carpet" in fine style. We viewed her fabulous collection of Morse instruments and early keys which included a vertical bug and several original Martin semi-automatics. Bill took us for a trip around the area including an outside view of the huge jet propulsion lab where he is employed.

Paul and I stayed overnight at Ventura and took off early Monday for San Carlos. On the return trip we stopped at beautiful Carmel-by-the-sea, the Bay of Monterey and other scenic spots. While enroute W6GVY worked Erv, W6YM, mobile with good signals both ways. He passed on a message to his wife that we would be late for dinner and not to wait. Time sure had been a "thief" on this trip as we just couldn't seem to break away from all the beauty along the coast. We finally arrived in San Carlos at 7:30 P.M. after a 1000 mile round trip. It sure was great!

The next day we bid farewell to Paul and left for a day or two with Thom Mayes, W6AX, over in Saratoga. Here we saw his neatly constructed 500 cycle spark set, all built in his shop (they all seem to have fine shops out here in California). In addition to the spark set, he also had a homemade Wimhurst static machine! A recent addition to his home will soon house his wireless museum. Thom's electrical and wireless library is most extensive and complete.

Thom and I took off early the next morning for Bolinas where the original old Marconi trans-pacific wireless station stood having first been built back in 1912/13. Here we met Frank Geisel who piloted us to the actual station site. It is now the home of NAAC overseas circuit and also the transmitter location of coastal station KPH.

As usual the engineering and operating personnel gave us the "red carpet" treatment. I took several pictures before we left but the fog was so thick on arrival we could only see halfway up the 600 meter antenna mast!
Leaving here, we journeyed to Point Reyes, the remote site and receiving location for famous KPH. Incidently, this station got its call from the early station established by the American de Forest Co., then located in the Palace Hotel at San Francisco. After the earthquake and fire, the station was re-located and eventually to its present site.

Frank Geisel told us he spent 10 lonely years at the old receiving location at Marshall. We saw the site from a distance which then could only be reached by a narrow gauge railroad. The Marshall station has long been abandoned.

We met all the operators at the six operating positions and had a nice chat. One fellow was from Atlantic City and another was an oriental from the far east - all "artists of the key". Frank, the manager, promised me pictures of the station which I found waiting for me on arriving home. The Bolinas 500 kw. transmitter runs about 22 kw. and can be heard 'one day out' of Honolulu in the early morning. I know since I listened in while on my last trip to Hawaii while aboard the S/S Lurline. Signals are just terrific out on the Pacific Ocean - they all appear to have a greater range than on the Atlantic for some reason. This was also true in the old spark days as witnessed by the records of Howard Seefred, W6EA (x-6EA) with only a half kilowatt - a record never to be challenged. He is now deceased and was one of my best friends.

On the return trip we stopped in at coastal station KPS at Palo Alto, the home of the old Federal Telegraph Co. where the Poulsen arc was developed. This station has some 36 transmitters in operation whereas Bolinas has 26 - all on high frequency except as noted. KPS is one of the old Mackey Radio Telegraph Co. stations and is now operated by I.T. & T., World Communications, Inc. Marine Division, as they would like to be known. When they bought out Globe Wireless Inc., two years ago, the old coastal station KXX at Marshall Rock was abandoned and all the I.T. & T. facilities were concentrated at Palo Alto. KPS has had a famous career. It was the first station on the west coast to establish a paying circuit to Hawaii using the Poulsen arc just after it was perfected. Fred. M. Hoehen, an old timer, is the present manager. Shift Engineer, Milton McCluskeyy, W6KPH, graciously showed us through the station.

Leaving Thom, I returned to Los Angeles and stayed a short time with some old friends, the Lassiters. And then, only a short time later, I found myself returning home...my "safari" was completed. I would like to thank all these fine folks who treated me so wonderful...real warm hospitality - something never to forget.

By way of explanation. This trip has been cooking for nearly a year. Bill Traver and Paul Giganti first invited me, then there were others such as Vance Phillips, the Moreaus, the Mayes and the Lassiter family. I felt if I ignored these kind invitations, it may never happen again and they would all feel as though I didn't appreciate their kind offers...so I set a firm date of May 7 and stuck to it. A word how wonderful I was treated by the Gigantis. This was my headquarters for operation and even Paul Jr. gave up his room to me. Mrs. Giganti was a delightful hostess and made me welcome from the first. Paul presented me a very old Morse type key which I have not identified other than the inscription on the wooden base "Made by Electrical Construction Co., San Francisco". It is an 'underslung' contact type unlike any I've ever seen. I might add that Paul's collection if early amateur wireless gear and B/C sets is outstanding with many items which I've never seen.

This ends one of the most successful and happiest trips I've ever made - one I'll retain in memory for many years. It does renew one's faith in humanity and proves that all hobbyists are just real people. This is my report to AWA members, I hope you will enjoy reading it...all best with 73.
OLD TYME ADS

FOR SALE or TRADE- antique BC receivers, battery eliminators, speakers and tubes. Send stamped envelope for list. Frank Pagano, 1335 West 7th St., Brooklyn, N.Y. (11223)

WANTED-a couple old fashion castor oil bottles - the type with the fairly long neck and oval shape. You guessed it - for homemade electrolytic interrupter. Frank Smith, PO Box 840, Corpus Christi, Texas

MANY RARE FOR SALE. Another collection for sale including spark gear, many receivers, 1910 GE oscillograph with arc light, Crocker-Wheeler dynamotor used by Dr. Rogers, some IP and SE, etc. Write: Bill Travers, PO Box 365, Pollock Pines, California

WANTED- Federal Mod. 61 wooden cabinet and metal tube socket mounting plate about 6 x 6" and circuit for same. Harry Cag, 190 Beach St., Bridgewater, Mass.

WANTED: BC set containing, or kit of parts for assembling BUSCO L.P. amplifier. Also ACME type B-1 R.F. trans. Pay fair price or borrow for electric test. Grobe Heber, Research Corp., 405 Lexington Ave., New York 17, N.Y.

WANTED: National BC-100 receiver. Also need #1 and #6 coils for early KRO Jr. E. Newman, 401 Elden Ave., N.W., Roanoke, Virginia (24019)

FOR SALE- large collection of GSTa dating back to 1930. Individual or in groups. F.A. Nichols, W2AXK, 720 E. Eldorado, Appleton, Wis., 54912

FOR SALE- Extra copies of antique wireless books such as Bucher's "Practical Wireless Telegraphy", etc. Semi-BASE for list. Frank Shannon, W3QR, 1500 Mass., Avenues, N.W., Washington, D.C. 20005

FOR SALE- rolls of magnet wire on orig. spools (1 to 2 lbs.) $3 800 white, $3 800 green, $3 800 blue. Also have 4 new WD-11 tubes in original cartons (Aeritrons) (brass base). All reasonable make offer. Walt Weber, K2EWE, 79 Lakeside, Angola, N.Y. 14006

FOR SALE or TRADE- GST's, call books, QST. Send your want list. Erv Rasmussen, W6YPM, Box 612, Redwood City, Calif.

FOR SALE- W3ES collection of early gear. Many pieces of transmitting equip. such as helix, gap, Hitzen xfer plus receiving components. Also early GST, Wireless Age as Modern Electric. Write Bill Laverty, 118 N. Wycombe Ave., Lansdowne, Penna.

SPARE- have many meters, rheostats, armatures, small replacement parts, etc. for Marine Arc and Spark transmitters of first war period. Also WE Navy CW-936 Trans./Rec. Will trade for Marconi or other equipment or parts of equal value. Write R.S. Palmer, 17211 2nd Ave. West, Bothell, Washington, 98011

SWAP or SKILL- Radiola balanced amp., Michigan Senior Regen. receiver MBO-7, etc. Send for list. John Brookman, 3751 Erie St., San Jose, Calif., 95111

SELL or SWAP- have several receivers, etc. plus tubes. Write for list. Sam Weidner, W2QY, 1131 S. Main St., Ottawa, Kansas, 66067

DATE WANTED- what was the approximate date when the double sided disc phonograph record first came on the market? Fred Penard, 65 Maple St., Norwood, Mass.