ANNUAL MEETING
Nov. 11, 1973, Holloway House, East Bloomfield, New York

The Annual Meeting was called to order at 2:40 P.M. by Pres. Brelsford with all 13 Board Members, 4 Officers and the Association's Attorney present. Minutes of the previous meeting (Breesport, June 16) were read by the Secretary and approved. Treasurer Cundall gave a lengthy report on the Association's finances which he and auditor Deeley had prepared. The 1974 Budget was reviewed and some concern was voiced over First Class mailing increase and printing costs. A breakdown indicated sufficient funds to maintain the OTB (The Association's Journal) another year with present dues of $4.50 providing there would be no great change in operating costs. It was called to the Board's attention A.W.A. operates without paid personnel. A sum of $1 was paid for the annual Museum rental. Bank records indicated a total of $1000 in the Museum Fund as a result of the recent fund raising drive. The Treasurer then reported that unlike several previous annual conferences, the 1973 event will yield a slight surplus after all bills are paid. This sum may be budgeted for future "meets".

President Brelsford reported on his meeting with his Advisory Committee (Sept. 8) at which much was discussed including the need for more emphasis on historical matters. The subject of an assistant secretary and treasurer to help with increase workload was brought up. The Board agreed to have the President make such appointments. Attorney Snyder advised the Board this was possible under the Association's By-laws.

The Nominating Committee-Chairman George Pattenson presented a slate of Officers and Directors to fill the expired terms. There being no nominations from the floor, the motion was made and seconded to accept the slate as read and have the Secretary cast one ballot for said names. Unanimous approval. President: Charles Brelsford, Vice-President: Kenneth Gardner, Secretary: Bruce Kelley, Treasurer: Lincoln Cundall, Directors to serve a three year term; Henry Blodgett, Al Crum, Harry Lott and Harold Smith.

The President read several letters inviting the Association to have regional meets in their area. The Board approved a West Coast Meet (California) at Pottshill Museum in April, a joint meeting with the Indiana Historical Radio Society at Purdue University (June) and New York (Breesport) and New England (East Greenwich, R.I.) meets to be announced. Some consideration was given to having a gathering on Long Island near the sites of several pioneer radio stations. It was decided to table the invitation for future consideration. Letters were read as well as verbal comments indicating high preference for Canandaigua location for the 1974 Conference. A request was read asking for A.W.A. show "Golden Twenties" at the California Meet. The Board approved partial traveling expenses be paid the East Coast representative making the trip to present the program. Motion by Blodgett and Deeley was approved to accept locations (for meets) as noted and to have the Annual Conference at Canandaigua the weekend of Oct. 4th and 5th.

Ken Gardner reminded the group of the forthcoming Trans-atlantic QSO Anniversary and Al Crum questioned the possibility of taking movies at future conferences. The matter will be investigated. Larry Triggs volunteered to make a Morse copier for the Museum. The copier will actuate a sounder for demonstration purposes. Cliff Daykin volunteered his services to make a large Tesla coil for the same purpose. Dick Fansley offered to promote the Museum Fund by dispensing books and instruction sheets. The group was briefed on several film shows in the making including one on amateur radio service to polar expeditions and another on radio broadcast development.

The last piece of business was the A.W.A. Museum. The Secretary briefly outlined the proposed lease with the Bloomfield Historical Society for facilities in the Town's Museum. After a short discussion, a motion by Blodgett and Smith was made to authorize the President to sign the lease. Attorney Snyder reviewed details and will consult with the Historical Society's attorney. A motion by Pattenson and Crum gave the President the power to appoint a Museum Fund Committee.

The Meeting was adjourned at 5:00 P.M. at which time the Board, members and guests enjoyed a delicious dinner followed by the showing of slides taken at the two past conferences.

Submitted by

Bruce Kelley, Secretary
Hooray! We've Done It!
A.W.A. Now Part of Public Museum

Your organization has signed a long term lease with the Town of Bloomfield Historical Society for exhibit area in their Academy Museum. Much thought and effort has gone into this move by your Officers and Attorney.

It has always been felt A.W.A. could better serve their objective in exhibiting and preserving electronic equipment by having a display in an existing public museum instead of trying to maintain one of their own. The latter possibility has not been completely ruled out however.

The Town of East Bloomfield Historical Society is a group of citizens living in several small villages with Holcomb and East Bloomfield in the center. It was chartered by the New York State Board of Regents several years ago as an educational organization. In addition to usual historical activities, they have also undertaken the task of restoring a local landmark – the Bloomfield Academy, a three story brick building adjacent to the village green. Part of the building will be our museum. Several A.W.A. members are also members of the Bloomfield Historical group.

A.W.A. Museum will be a separate area in the Bloomfield Museum. We will have approximately one half of the second floor and part of the third. A.W.A. will maintain their own area which includes separate staircase and locked doors. Our main exhibit space will be a large vaulted room the full width of the building. This room will be lined with glass showcases and will be accessible to the Historical Society’s Museum. The area will be open and operate in conjunction with the Society’s Museum. The remaining sections will house specialized equipment and generally not opened to the public. Exhibits will be selective, meaning some material will not be moved from the present site.

Other information: Our operation will be fully covered with adequate fire and liability insurance to comply with State Law relative to public buildings. It is estimated it will cost the Association approximately $1000 a year to maintain the museum. This includes rental, insurance, electricity and maintenance. In addition to a $5000 material/labor cost for renovation, there will be need for much volunteer work from local members. Saws, hammers and paint brushes are being readied and Gundall and others are cleaning and restoring equipment for the big move. It is doubtful it will ready for the Conference since there is much construction work to be done by both the Historical Society and A.W.A. Future Bulletins will keep members posted on progress.

Antique Wireless Association, Inc.
Museum
Holcomb, New York 14469

Member:
--American Association of Museums
--Regional Conference of Historical Agencies

Affiliate:
--American Radio Relay League

Special note: The Association is currently moving facilities to new quarters one-half mile from the present site. Until further notice, the Barn Museum will be open only for special events.

Telephone: 315-657-7489 or 716-663-0856

Collection Game...

Collecting early radio artifacts need not be costly. Take the Tube Collector: he need not confine his interest to the costly rare ones. Frank Pagano suggests looking for variations of the more common types. As an example: there are at least 3 different types of early 227 tubes with the most noticeable difference being in the inner mica structural support. The UX-213 and 216 have different plate shapes, etc.

The collector with limited resources can look for differences in labeling and number imprints or he can seek rare variations of more popular tubes such as a Kellogg (top filament connection) with a brass base (?) or a popular Blue Arcturus tube with clear glass!
ANTIQUE WIRELESS ASSOCIATION INC.
HOLCOMB, NEW YORK 14469
"An amateur organization devoted
to the history of wireless"

OFFICERS

PRESIDENT
Charles Brelsford

VICE-PRESIDENT
Kenneth Gardner

CORRESPONDING SECRETARY
Bruce Kelley

RECORDING SECRETARY
Henry Blodgett

TREASURER
Lincoln Cundall

ASSISTANT TREASURER
Dexter Deeley

BOARD MEMBERS

Henry Blodgett (3) Joe Marsey (2)
Al Crum (3) Dick Ranaley (2)
Harry Lott (3) Dexter Deeley (1)
Harold Smith (3) C. Dengler (1)
Geo. Patterson (2) Larry Triggs (1)
Cliff Daykin (2) Bruce Roloson (1)
Lauren Peckham (2)

ADVISORY BOARD

Bob Merriam W1NTF
Bob Morris W2LY
Lou Moreau W3WRE
El Redington W4ZM
Thorn Mayes W6AX
Warren Green W7JY
Frank Wingard W9BWH
Joe Pavek W9CEP

HONORARY MEMBERS

Marion Armstrong
Geo. Grammer
Lloyd Epenchow
Harry House
Clarence Tuska
Elliott Sivovitch

HOUCK AWARD
Bob Morris (Chairman)
Bill Gould
Thorn Mayes

MUSEUM FUND COMMITTEE

Ken Gardner (Chairman)
Joe Marsey, Larry Triggs, Bruce Roloson, Bruce Kelley

ATTORNEY
Sherwood Snyder, W2KPU

PHOTOGRAPHER
Al Crum, W2EWH

AMATEUR STATION: W2AN

CALENDAR OF EVENTS

FIRST CALIFORNIA MEET
Foothill College Museum
Los Altos, Calif.
SATURDAY, APRIL 27
See details elsewhere in QST

WESTERN NEW YORK HAMFEST and
PLEA MARKET
Monroe County Fairgrounds
Rochester, N.Y.
SATURDAY, MAY 18
A.W.A. Program and Exhibit

SPRING MEET
Peckham Museum
Breesport, New York
SATURDAY, MAY 25
--Luncheon 12 Noon --
Entertainment and Swap Session

SUMMER MEET
in conjunction with the Indiana
Historical Radio Society.
SATURDAY, JUNE 22
Stewart Center, PURDUE UNIVERSITY
West Lafayette, Indiana

1974 HISTORICAL RADIO CONFERENCE
Sheraton Inn
Canandaigua, New York
October 4-5-6
THREE BIG DAYS OF PROGRAMMING!

FALL MEET
New England Wireless Museum
East Greenwich, R.I.
SATURDAY, OCT. 26
Luncheon 12 Noon
Historical Programming and Swap
Session for Collectors

ANNUAL BUSINESS MEETING
Sunday, Nov. 10
Holloway House
East Bloomfield, N.Y.
Meeting: 2:30 P.M.
Dinner: 5:30 P.M.

SCHENECTADY/ALBANY MEMBERS: A.W.A. is
tentatively planning a historical radio show
for the Schenectady Amateur Radio Club, Monday night, April 1st. Check
with Dick Kaufman, K2DMR for details.
50TH ANNIVERSARY FIRST AMATEUR TRANS-ATLANTIC QSO'S

An A.W.A. QSO Party on November 27, 1973 celebrated the first transatlantic QSO's by IMO and F3AB. Fred Schnell and Leon Deloy exchanged messages of greeting between ARRL and General Pierre de Paris thus proving that amateurs could work long distances by shortwave.

Several of our participating members well remember the AC note of French 8AB and had the pleasure of working him and of course many have worked IMO, Fred Schnell. It was a thrill to work thru the hours of 9:30 to 10:30 PM on our 80 meter band which is close to the 110 meter wave used by IMO and French 8AB.

The members submitted logs which showed a total participation of 35.

<table>
<thead>
<tr>
<th>Station #</th>
<th>contacts</th>
<th>Station #</th>
<th>contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>W2AFE</td>
<td>11</td>
<td>W5TOS</td>
<td>11</td>
</tr>
<tr>
<td>W2BN</td>
<td>27</td>
<td>W6CG</td>
<td>14</td>
</tr>
<tr>
<td>W2BB</td>
<td>7</td>
<td>W8AQ</td>
<td>13</td>
</tr>
<tr>
<td>W2LV</td>
<td>27</td>
<td>W8BRM</td>
<td>15</td>
</tr>
<tr>
<td>W2QY</td>
<td>20</td>
<td>W8JF</td>
<td>10</td>
</tr>
</tbody>
</table>

Others participating as shown by logs from the above:


All participants in this memorable occasion will receive a momento honoring IMO and French 8AB.

Our French member, Robert Champel of St. Cloud, France, answered our invitation to take part by saying he was inactive but his friend Rene Machet would be on the air. Unfortunately, his letter arrived too late to permit schedules.

Bob Norris, W2LV, contacted the American Red Cross station in France who uses the call HW6ARC, and was promised activity on the night of the 27th. Conditions were not satisfactory for DX but on other nights French stations were heard using the prefix HW which was permitted French Amateurs during the period commemorating the first trans-atlantics.

A letter to Fred Schnell in Florida produced no answer. perhaps due to poor health, but we trust a fond memory might have been awakened.

INDIANA, ILLINOIS, MICHIGAN and OHIO members -- plan to attend the Summer Meet at Purdue University.
ASSOCIATION NEWS

NEW GEAR AT A.W.A.

FRENCH RECEIVER: Jack Williams, K2JPV
EARLY QST's: Everett Berry
HISTORICAL 861: W1HJW/W2EJI/W2EHN
RARE TRANSISTORS: W2EWZ
TUBES: W2EMX, W2EPAP
LIBRARY: Clarence Tuska
HISTORICAL RECEIVER: Hugo Cohn
SCR-57 INTERPHONE: Everett Berry
MISC: W2SNI, W2ARX, Floyd Lyons.

861 FROM W1MKW --

Old time amateurs who visited W1MKW (original A.R.R.L. HQtrs station) over 50 years ago admired the high power final amplifier. The transmitter is pictured in A.R.R.L. Handbooks of the 30's and represented the best in design at the time.

The final used a RCA-861 kilovatt screen-grid tube -- the ultimate for amateur use. This tube is now in the A.W.A. Museum after changing hands many times -- the last two being W2EJI and W2EHN.

EARLY SUPER --

One of the first custom built superhets was recently donated to A.W.A. by Hugo Cohn, President and founder of the Radio Receptor Corporation. It is a classic of the period (1923-24) and is now enclosed in Plexiglas for protection. The set was one of the highlights at the famous 1924 Radio Show held at the old Grand Central Palace, N.Y.C. Hugo plans to write a short history of the company for a future QST.

SCR-57 (Type CW-1057) INTERPHONE SET

Collectors of WWI military equipment are familiar with the CW-938 (SCR-68) airplane transmitter/receiver using VTR-2's and (3) VTR-1's in the receiver. (See QST 13-2-9) Several can be found in member's museums -- but few if any have the rare Control Box SCR-57. AWA was fortunate to have received one of these Interphone Sets from Everett Berry in mint condition. It will help us complete our WWI installation.

RARE FRENCH RECEIVER --

Jack Williams (Kodak Research Labs) has a favorite cocktail lounge in the center of Paris. On occasion he has noticed an antique/junkshop next door but never bothered to enter until recently. It was worth the visit -- at least for A.W.A. -- for high on a shelf he spotted an old receiver.

After some dickering (Jack speaks fluent French) he walked out of the shop with the receiver tucked under his arm -- minus $15.

Followup: He carried the set during flight from Paris to New York and gave it to Brelsford for our Museum. It is an odd looking receiver using one valve and honeycomb coils (with French marking). Regeneration is controlled by a long external lever which positions the feedback coil. A good guess places its manufacture around 1921.

Jack (K2JPV) is the fellow who interviewed and photographed Leon Deley, French 8AB, for one of our AWA shows.

FIRST TRANSISTORS --

Historians/collectors with foresight are already collecting early diodes and transistors -- some of which are already 25 years old.

Al Crum casually mentioned this to Jim O'Herne (W2VZB) who happened to have rescued about ten from General Electric's development laboratory scrapbox several years ago. Jim, having no need for them, gave the small collection to A.W.A.

It is an odd assortment with several embodied in clear plastic showing the point contact, etc.

A.W.A. JOINS REGIONAL CONFERENCE OF HISTORICAL AGENCIES (R.C.H.A.)

For the small sum of $10, A.W.A. recently became a member of the local museum group. The R.C.H.A. covers historical activities in 23 central New York counties and publishes a regular News Bulletin notifying members of local events. In addition, the Bulletin prints a column concerning I.R.S. problems, fund raising activities and other notes of interest to small historical organizations such as A.W.A.

120 YEARS OF BRASSPOUNDING

an A.W.A. show made several years ago is still receiving popular acclaim. It was presented to the Indianapolis Amateur Radio Club last fall and repeated again January 12 for the Indiana Historical Radio Society at the Indiana State Museum.
This strange looking mechanical device, made by the United Electrical Manufacturing Company, is the grand-daddy of all semi-automatic keys. It was designed by Horace Martin in 1902, patented in 1903 and is the forerunner of his Vibroplex of the following year. It operates on the same principle as later semi-automatics: automatic dots and handmade dashes; however, it has an interesting feature -- it is powered by two dry cells!

The batteries activate the dots and then energizes a pair of magnets (they look like two coils from a Morse Sounder) that holds the vibrating reed stationary when the dashes are made. Apparently the operators didn’t like this and for that matter, neither did Horace Martin for the next year he patented his first Vibroplex which is somewhat similar to present day design.

This "gem" was given Lou Moreau (W3WRE) by Stu Davis (W2ZK) to enable her to complete the Martin/Vibroplex collection. Lou now has the complete series from 1903 thru to 1934 ending with the Martin Junior. Post 1940 models are all of the LaHiff patent and/or modification of the original design. We believe this collection is the most complete in the world.
who are or have been in the communication field

RAY CHASE (Plainfield, N.J.)
Aircraft Radio Corporation

L.E. GLEASON, W2BKI Retired F.A.A.

ELLICOTT VALENTINE, W4J70, Western Elect.
(Micro-wave specialist)

LEE HAGEF (Buchanan, Michigan)
Electro-Voice Inc.

ROBERT OALLABURG, WA6VG, Stat. KNOB

T.M. MAXWELL (Thousand Oaks, Calif.)
Staff Engineer Teledyne Elect.

JIM MCGRATH (W2IOJ) Radio Operator
U.S. Boarder Patrol

WILLIAM HOLLY, WA1HDJ (ex-KP4CRE)
Chief Radioman U.S. Coast Guard

ELMER GUTHERCUT, ex-6AW, Modern Radio Laboratories

SAM ROTUNDA, W6KIA, N.Y. Telephone Co.

DEAN ANDERSON (Chappaqua, N.Y.)
U.S. Army Signal Corps

TONY PEVERETT (Surrey, England) M.I.E.E.

J. CLAYTON MOSER (Lakewood, Colo.)
Mountain Radio & TV Co.

RICHARD JORDAN, WHUM (ex-W9JMU, 3JMU, etc.)
Arcade Electronics Inc.

CLARENCE KELLEY, W2ZUR (ex-LBNL)
Merchant Marine Radio (UFCO.)

W.U. & Postal Tele. Co., BC Engineer

RALPH VACCAR, W1KF (ex-LHR) Mitre Corp.

JOHN WASTERWITZ, W2GQ, Police Radio

"DUKE" DIGBY, W3DLJ Penn-Central Research Lab

EDGAR JEFFERSON, W3IN F.C.C.

CHARLES YOUNG, W6IP Engineering Associates, Inc.

EDWARD PARNER (Oslo, Norway) Assistant Director, Norsk Teknisk Museum

ALBERT PRAETT, W3YDG (ex-IAP)
Merchant Marine operator

J.K. BACH, W2PAP (ex-WOCE, W9CM)
A.T. & T. Co.

THOMAS PHETAN, W2EZF National Broadcasting Co.

NEW MEMBERS

ANTHONY PEVERETT -- A.W.A. welcomes this well known collector and historian from Surrey, England. Tony's collection was illustrated in British magazine WIRELESS WORLD, November '72. It is hoped he may write a short article for our Bulletin about collecting sets in England.

EDWARD PARNER, Assistant Director of the Norsk Teknisk Museum, Oslo, Norway. Elvind indicates great interest in all forms of communication. The museum he is associated with has an excellent collection of tubes among other items. We understand it has on display a rare shielded Fleming valve which may be the only in existence.

HISTORICAL DOCUMENTARY

Our Association is currently in the process of making three new historical slide/tape shows. Hopefully, they will be ready for the 1974 Historical Conference scheduled at Canandaigua, Oct. 5.

POLAR ADVENTURE

This documentary covers public service provided by the radio amateur in the Arctic and Antarctic regions. Since the show is limited to 45 minutes (1800 foot tape) it was decided to concentrate on Don Mix, W1TS and his work with the MacMillan Expeditions of the 20's WNP and later activity with Bud Waite, W2ZK who spent over 30 years in the Arctic and Antarctic. The show will be highlighted with spectacular pictures taken by CM Waite.

EARLY NETWORK BROADCASTING

Bob Morris, W3ELV, working with Max Jacobson, W3DUK, and other broadcast engineers are assembling a slide documentary which should be of interest to lay as well as professional historians. The documentary will cover KDA, WWJ and other pioneer stations leading up to the early days of WBNF and WJZ and pre-NBC development (1926) and the networks that followed.

THE GREAT RADIO SPY STORY

Rex Matlack, W3EFX, had the good fortune of making the acquaintance of Charles Appar's son who in turn allowed Rex to copy material from his father's papers. Who is Charles Appar? He is the radio amateur who decoded the secret messages sent by the huge German Station WSL at Sayville, L.I. in 1915 to German submarines telling about American shipping. A real thriller!
WHAT'S THAT??

Your eyes are not deceiving you...it is NOT a midget headset in the foreground -- it is a BIG crystal set! Without a doubt, this is the largest crystal set built and the builder, Ted Woolner, WAIARP had this in mind when he machined the parts and assembled it last year. Practically all components are 4 to 1 scale. As an example: the brass sliding rod on top is 1" square (instead of 1/8") and 1/8" long. The coil is 1 foot in diameter with 1/4" square end pieces. The crystal detector is located on a 5 x 8" wooden base with a piece of galena the size of a walnut. To answer your question, "Yes, it does work but no better than one of conventional size."

---

NATIONAL HISTORICAL RADIO CONFERENCE

Start planning for the year's biggest event: The 1974 Historical Radio Conference, Canandaigua, N.Y. October 4 and 5th.

Two great days of programming for the historian and collector plus huge swap/sale of old gear...

So far, we've had no gasoline problem in this part of New York State...let's hope it remains that way...

---

HOWARD HUGHES AGAIN

Bob Cobaugh (W2NX) received several letters as a result of the note in last CTE re Howard Hughes as a radio "ham". The most interesting came from Hal Dinger (W3KH/W5KG). He tells of having worked a 5CY (Houston, Texas) in the early 20's whose QSL card had the name Howard Hughes Jr.

During WWII Hal made the acquaintance of Dick Stoddart who has been Hughes's radio operator on his earlier world flight and later made radio test equipment (W6STD). Dick said that Hughes was once a ham but didn't think he was still active as of that time. He may have also had a "5" call too.
Editorial

SKULDLUGGERY

We don't wish to run the subject to the ground concerning possible theft and just plain chiseling by some collectors--but several have called our attention to an interesting fact.

It would appear that many collectors know the identity of one of the culprits. This being the case, anyone having dealings with a known suspect could become a partner in the crime as one handling stolen goods.

INEVITABLE--

At one time we foolishly felt there would be no need to increase dues again since A.W.A. operates with minimal operating cost. We were wrong. The cost of paper and envelopes for the BULLETIN has increased substantially and everyone knows what has happened to postage rates (We still believe in 1st Class mailing and we're faced with a 25% increase). In addition, general expenses are on the rise. We're breaking the sad news well in advance for in all probability the Board will be asked to increase Annual Dues by $1 ---the first increase in several years.

Change In Address?

Mail information to the Treasurer who handles current mailing list.
(NOT the Secretary)
L.A. CUNDALL, W2QY
69 BOULEVARD PKWY
ROCHESTER, N.Y. 14612

HISTORICAL MUSEUM FUND

President Breifsford has appointed Ken Gardner, W2EKN to head a committee composed of Joe Marsey, Larry Triggs, Bruce Holson and Bruce Kelley to investigate and implement a program to raise sufficient funds to pay for material and labor for museum construction as well as maintain the exhibit.

The Committee is aware of the financial problems facing most museums and wish to establish a firm and permanent fund to perpetuate A.W.A. archives.

The response resulting from a small note in the Association's Bulletin has pleasantly surprised the Committee. A full report on their progress will be sent to all donors and summarized in a future Bulletin.

In recognition for their interest in preserving and exhibiting historical material, a small engraved plaque will be permanently mounted on individual showcases in the Association's Museum. Donations are subject to I.R.S. deduction. Your interest is appreciated. Make check payable to:

A.W.A. MUSEUM FUND

and mail to Treasurer: Lincoln Cundall
69 Boulevard Parkway
Rochester, N.Y. 14612

AWA NETS

PHONE -- 3902 KC.
Tuesday: 8:00 P.M.
Sunday: 12 Noon
CW -- 3504 KC.
8:00 P.M. First Wednesday of each month
4:00 P.M. Daily
All times E.S.T.

AWA Old Time Transmitter Contest

Don't forget the dates:
Wednesday and Thursday
March 20 and 21
March 28 and 29
EVERYONE invited to participate -- you need not have an old transmitter to join the fun. See details elsewhere in Bulletin.
Do you have trouble identifying these receivers at first glance? The easiest way is to remember the one with the highest model number is the one with the greatest number of knobs! In this particular case -- the "59" -- Federal's ultimate in early broadcast receivers. Since they preceded the TRF sets by a year or two, Federal engineers designed their sets around one or several stages of untuned R.F. and conserved filament consumption (or impress the prospective buyer) with a rheostat for each tube! The "61" has six filament rheostats -- 3 for R.F., 1 det. and 2 for audio. The sets are beautifully constructed and are prized by most collectors above the AK breadboard. The two receivers pictured are in the Peckham Collection.

HOUCK AWARD

It is again time to make nominations for the Houck Awards for 1974. It is recommendations from the members of A.W.A. to the Awards Committee that help to assure these awards go to the most qualified persons. The principal Houck Award is for historical documentation in the field of radio communication. Previous recipients of the Award are Thorn Hayes, Bruce Kelley and Gerald Tyne. There is also a collector's award for restoration, preservation and display of equipment and documents having to do with the history of electrical communication. Previous recipients are Bill Raser and Bob and Nancy Merriam.

A.W.A. members are urged to consider possible candidates for these Awards and to submit nominations which include a brief resume of the candidates qualifications for review by the Awards Committee.

Nominations should be forwarded to the Chairman of the Awards Committee no later than 15 May, 1974 so that recommendations can be made to the Board of Directors in time for presentation at the A.W.A. Annual Conference in October.

Robert M. Morris, Chairman
R.D. 1, 60 Sunset Lake Road
Sparta, New Jersey 07871

FOR THE MUSEUM LIBRARY

Not much has been said about the Association's Library--something that has been steadily growing over the years. Like the tube collection, the nucleus of the library is also centered around Kelley's original collection. Although not equal to the Merriam library, it still is an outstanding radio, telegraph and electrical book and magazine collection.

The most recent and most valuable addition is Clarence Tuska's Library consisting of nearly a complete set of beautifully bound IRE Proceedings plus 30 rare technical books many of which are autographed by the author. Plans for the new A.W.A. Library are still tentative but hopefully a special section can be found in the new building.

Back issues of QST and other surplus magazines left by members are still available (gratis) in two or three lots to a member who is trying to fill in a series. Free magazines as well as parts must be selected and picked up at Holcomb by the member--no mailing.

DON'T FORGET: "Want Ads" must be received (not mailed) 6 weeks before OTB mailing. See Sept. 1973 OTB, Page 5.
NORMAN WASSON (Arcadia, Calif.) is another Gernsback magazine collector including "Shortwave Craft". He would like to build the Dorle DX'r featured in one of these magazines.

WARREN JOHNSON (Ft. Wayne, Ind.) found a nice Hammarlund Comet Pro, 2 Radiola IIIIs with bal. amp. and Croxley Ace. It is always nice to hear from a tube collector such as Warren who has rare items such as DV-3A, Moorehead ER, etc.

ROBERT LANE (Kansas City, Mo.) displayed part of his collection at KQ Museum with much interest. Latest for Bob are AK-12, Browning-Drake 5R, NR-7, E.I. catalog. Bob uses 50-50 mixture of linseed oil and turpentine on wooden cabinets.

BILL HOLLY (Kittery, Maine) is another new member with interest going back to U.S.G. as Chief Radioman. Bill has Signal loose-coupler, Murdock condensers, Crosley and Aerola sets plus a crystal set good for 300 mile reception!

ALEX BLACK (Syracuse, N.Y.) found a U.C.O. 5 tube TRF which he hopes to have in operating condition soon.

CHRIS PESTHOKPOUTOS (Athens, Greece) sent several photos including an early French crystal receiver with slide tuner, 1918 crystal holder with marble base and a German UNDA 3-tube receiver.

RALPH MUCHOW (Elgin, Ill.) is busy moving his huge collection into the 2nd floor over his dental office. The new facility should be ready in time for the Antique Radio Club of America's Conference, June 14 and 15.

CLARENCE PILLEY (Hamilton, Ont.) is pleased with a rare Zenith 1R with matching amp., Crosley 3-B and AK-33.

BRUCE HOGESON (Horseheads, N.Y.) found a nice W.E. 7-A amp complete with 216-A tubes under his Xmas tree! -- from his thoughtful XYL. Bruce would like to add a W.E. 4B super and other items.

LOU HOUSTON (Prospect, Ky.) has been interested in radio since he worked in a radio shop at age 15. His collection includes Federal 61, several AKs, Grebe MU-1, Steilnite, Aerola Sr., etc.

RALPH BARNETT (Decatur, Ill.) had good luck on the way home from the AWA Conference last year--he found several early crystal detectors, Baldwin head-set, telegraph keys and early phonos.

RUS RAMSUSEN (Redwood City, Calif.) still seems to turn up nice items with the latest being a Deforest Interpanel set, Deforest D-17, IF-501 (!) and books.

FLOYD BENNETT (Kirkville, N.Y.) recently purchased a large collection of broadcast sets. He expects it will take several weeks to sort out the "goodies".

DAVE MCKENZIE (Indianola, Iowa) sent photos of his broadcast set collection showing a rare AK-5, Magnon 1 tube set and a Marconiphone made in Canada.

ROB O'NEIL (Ithaca, N.Y.) found a Colby 5 tube receiver with tuner and detector and audio all in one cabinet.

DAVID PECKHAM (Breesport, N.Y.) was very pleased to receive a Deforest spherical Audion for Xmas. This gift was the idea of a well known collector.

BART L. ABBOTT (Mechanicsville, Va.) sent a photo of a recently obtained Kennedy 220 which was found in a yard sale!

DICK HANCELY (Stodus, N.Y.) found a rare Colby slide tuner and det.-amp. in a separate cabinet made by Colby Wireless Telegraph School, Auburn, N.Y.

JOHN WHITTING (Dover, N.J.) is a new AWA member who found some very nice sets last summer such as a seldom seen Paragon III-A, W.E. 14-A amp., Arborphone and lots of early QSTs.

ROSE SMITH (Elkhart, Ind.) added a Deforest D-17, Magnavox M-4 horn and a rare Moorehead tubular audion.

KEN CONRAD (Akron, N.Y.) is still expanding his collection with such items as 1896 spark coil, RMS-90 rec., Federal 102 portable and Federal 61.

EDWARD GRANOFF (Silver Springs, Md.) is a new collector who found lots of nice sets including AKs 20, 30, 33, Crosley 51 and Type V and a Grebe without Model #.

HARRY YORK (Fontana, Calif.) acquired a 1933 SCH-163 with 2X-157A amtr./rec. Hart is interested in early military equipment particularly aviation items.

GORDON KUJUND (Prospect, Ky.) sent a nice photo of a Deforest set with loop antenna made from Gordon's prints. The nice work was done by AWA member Willy Wilkes.

**Horrible Mistake:** Grab your Sept., '73 ORB and find page 8 under "Bulletin Printing Schedule". There is a typographical error on the MARCH issue. It is shown for APRIL date, awful sorry.
SPEED TELEGRAPHY

MORSE CODE

For sometime I've wanted to operate a telegraph sounder from a ham receiver in the Club's Museum. It makes a good demonstration to visitors and would eliminate the need to wind up an old Omigraph now in use. A selective circuit in the receiver output will actuate a relay/sounder combination when tuned to a CW signal.

The opportunity to see (and hear) a sounder clicking away came when I spent a weekend with Bob Morris last year. He tuned his receiver to a pre-arranged frequency on 80 CW to work W2ZH to tell him we would be visiting him the following day. Instead of hearing the familiar high pitch CW signals coming from a speaker I heard a telegraph sounder and a few seconds later Bob was working Stu using Morse code.

The entire QSO took only a few minutes after which Bob casually informed me that one could converse in Morse almost as fast as one could talk. He admitted his speed wasn't up to 22Z's but he had listened to Stu and W4RXJ carry on and in time found himself copying their high speed abbreviated (Phillips Code) conversations without too much difficulty. I didn't think too much about it and the conversation drifted off to another subject.

Thumbing through the Morse Telegraph Club's latest Journal "Dots and Dashes" I found an article written by W2LV titled "High Speed Telegraphy" -- and then it dawned on me what he had been trying to tell me. Apparently the combination of American Morse and the use of abbreviated Phillips Code allows one to copy the equivalent of 75 words per minute -- this combination is approaching casual conversation speed!

Who says there's not a place for CW in modern communication? Suggest you try and read the article since Bob goes into some detail on the advantages of Morse over Continental.

----- Bruce Kelley

Kelley's comments on Bob's article on High Speed Telegraphy brought a note from W2LV who said:

"In the late twenties, sixty words per minute teletype had been developed and was being considered for many applications where it would replace existing manual telegraph circuits. Teletype engineers were advised by high speed bonus operators that a machine limited to 60 WPM would SLOW up operators and would in some cases require the use of additional circuits! Little credence was given to such suggestions although the advice was valid."

"W4RXJ, Ralph Graham was the operator who joined W2ZH at the A.W.A. Conference held at the Smithsonian in Washington, October, 1968, in giving a most remarkable demonstration of high speed handling of traffic by telegraph as practiced in earlier years by the 'bonus operators'. Ralph has moved from Virginia to Ohio and his call now is WSKPE."

OLD TIME TRANSMITTER CONTEST

DATES: Wed., Mar. 20, 6:00 PM to Thu., Mar. 21, 6:00 PM EXT.
Thur., Mar. 28, 6:00 PM to Fri., Mar. 29, 6:00 PM EXT

FREQUENCIES
3575 to 3585 Khz. and 7040 and 14084 Khz.

(Stay off WIAW on 3581 and 14083 KHz.)

OBJECTIVE Work the greatest number of A.W.A. members. When calling use: "AWA AWA AWA de W2AN W2AN AWA AWA etc."

On contact, exchange year of transmitter being used. Example:
"TX 36" if you are using a 1936 transmitter.

SCORING Each station worked using a transmitter with components 1939 or before counts 2 POINTS. All other stations you work (1940 or later) count 1 POINT.

Multipliers for stations using old gear: Stations using transmitters before 1940 should multiply their total score by 1.5, Stations using BOTH transmitter and receiver 1939 or before should multiply their score by 2.5

RULES A station will be scored once only on each band. Cross band contacts will not count. Non-member contacts will not count.

LOGS Send logs to either W2EGR or W6SAT.
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 repetitious 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 6 weeks prior to mailing date.
8. Mail to Antique Wireless Assn., Main Street, Holcomb, N.Y. 14469

SELL: QST's from 1916, QG's from 1945. In addition, have a number of call books from 1921 for sale or trade. Handbooks from 1930. Stamp for list. Ery Pasmussen, W6VPM, 164 Lowell St., Redwood City, Calif. 94062

WANTED: a balanced amplifier for the Radiola III, with or without tubes. George Boettcher, 319 Pleasantview Ave., Hackensack, N.J. 07601 (Apt. #410)

SWAP: 23 issues of Tyne's "Saga of the Vacuum Tube" and a 3" Pilot TV set with glass; TV set and magazines in excellent condition. Want AK-12 in same condition. Everett Berry, 1919 Deal St., Lansing, Mich. 48910

SELL or TRADE: 3 (1930) type Cathedral radios. Need parts for Radiola III & IIIA (AFT, gridleaks, WD-11/199 adapters and WD-11 socketboard). Also want old radios. Howard Cranoff, 2445 Lyttonsville Rd., Silver Springs, Maryland 20910

SCR-163 SET. Need TM or FM covering this 1933 transmitter/receiver, BC-157A. Also interested in a source of U.S. Army FM's and TM's. Hart York, 17356 Miller, Fontana, Calif. 92335

FOR SALE: McMurdo-Silver "Voxman", a VVTM with RF probe -- Model 900. A real antique. $25.00 Cliff Daykin, W2AFB, 19 Oxford Pl., Geneva, N.Y. 14456

WANTED: DeForest sets & parts, tube socket & knob for Radiola III or a junk set. Need spare 199,201A & WD-11s. Please give price. Dean Haldinger, 8, W. Muriel St., Orlando, Fla. 32806

GENERAL RADIO and Weston early instruments collected and traded. John Field, 1/00 Mission St., Santa Cruz, CA. 95060

WANTED: Baird receiver for use with Baird Drum scanning type TV. Write R. Brewster, 1 Concord, Fishkill, New York 12524

TRADE: Large collection of captured German tubes 1920-1945. They were part of Air Force Museum collection, many rare and beautiful. Will trade only for early tubes (some are experimental and handmade). Write Warren Johnson, 2801 Euclid Ave., P.O. Box, Ind. 46306

WANTED: Grobe CR-9, write Don Erickson, 49 ridge Rd., Glen Rock, N.J. 07452 or Tele. 201-445-1245

--- NOTICE ---
Deadline for "ads" in next Bulletin is April 15th....

FOR SALE: large collection of tubes. Prefer not to ship. Write Charles Larrabee, R.D. 4, Waldoboro, Maine 04572


WANTED: A one tube Crosley "Pup", Earl Drake, WKBX, Box 736, Taunton, Mass. 02780

WANTED: for my DeForest D-17 receiver--two audio trans., five DW-3 tubes or three UX-12 (1½ v.) tubes. Ross Smith, 1133 Strong Ave., Elkhart, Ind. 46514

WANTED: Wooden knobs for Majestic Mod. 71 console. Driver unit for horn speakers. John Webb, 4919 Schuyler Drive, Carmichael, Calif. 95608

WANT -- cash or trade - Nat. SW-3, Grebe CR-13, CR-18, Pilott DC SuperWasp and any old ham regenerative receiver, old plug-in coil sets. George Guy, Box 66, RD 1, Wall, N.J. 07719

TRADE: Cabinet & blank chassis for Radiola 20 for NR-20 cabinet. Also need info on Thompson Model S-70 receiver. Dan Gaidez, 342 West River Road, Orange, Conn. 06477

WANTED: Bezel for Radiola 17 lid and lid prop for AK 30, On & Off button for AK 20. Bryan Jeffries, RR #1, Vinemount, Ontario, Canada LOR2O

TRADE: Nice National tunable 27-250 mc. HFS receiver w/matching 5856 power supply for AK Breadboard. Clarence Filley, W7KB, 1103 S. 2nd, Hamilton, Mont. 59840

FOR SALE: Reproductions of Westinghouse Instruction sheets for insertion in lids of Aerola Jr. or Aerola Sr. sets. Can also be used as pictures in your collection (in color). $2.25 each. Ray Kluzewitz, 825 E. Second Street, Reading, Penna. 19601

NEED: Century buzzer - type used on early commercial crystal type receiver. Dave McKenzie, 1200 W. Euclid, Indiana, Iowa 50125

NEED: Two Radiola IIIA & two Westinghouse RADAR (any condition) for parts in repairing my sets. Will trade wire recorder, AK battery sets, old tubes, etc. or will pay. Bill Laverty, 2815 Geneva, RD #1, Box 62K, Egg Harbor, N.J. 08215

NEED: Instructions for inside lid for Aerola Sr. and one DV-2 tube. Write Wilford Wilkes, Box 43, Bristol, Penna. 16620

TRADE or SELL to best offer: P.E. NR5 less tubes, poor Riders XI (no covers), Radiola 25 less tubes & loop, Bosch Cruiser 116 (1927 AG), John Wasiwicz, W2DC, 229 Sarles Lane, Pleasantville, N.Y. 10570

WANT: Panel or works for Bosch Ambriola 6 tube neutrodyne (p. 132 Vintage Radio) Panel size 21 x 63" I have excellent cabinet and need set. Herman Kramer, 5413 Rose Ave. Orlando, Fla. 32810

WANT: Cabinet for P.E. NR-7 and Kennedy '525 audio amp. also AFT for '525. AFT for CR-9 and Radiola IIIA, switch, HF tube socket. HP xmt'r for AK breadboard, 199 & WD-11 tubes. Glen Angele, KOTAM, Clear Lake, South Dakota 57226

HELP: need loop assembly for Radiola Super VIII in any condition, also need snapshot of loop for restoration and wire to re-wind Radiola 20 loop plus 5 good 199's. Bob Lozier, 315 East Houston St., Monroe, N.C. 28110

WANTED: copies of Short-Wave Craft magazine from 1933 to 1937. Write to Norman Wasson, 305 East Lemon Ave., Arcadia, Calif. 91006

TRADE: AK-9, AK-10 and AK-12 breadboards, Tuoka Model 224 and 225, Paragon Three, Murad MA13, Radiola II, Federal 57 for trade on old wireless gear. Guy Martin, W6DLY, 812 Hunters Trail, Glendora, California 91740


TRADE: Model AG 814 Loop Antenna (Radiola) for crystal receiver or early wireless parts particularly detector stands, Navy couplers or 1 or 2 tube sets. Bill Holby, 26 Whipple Road, Kittery, Maine 03904. Tele. 207-439-3115

FOR SALE: 15 sets and other articles in 1925 era. Must be picked up -- no shipping. Riders 1 thru 15. Write: Wick Steele, 1335 Thousand Oaks Blvd., Albany, Calif. 94706

AVAILABLE: 7 page copies Operating Instructions Crosley 51 Special. Great for entire "50" series. Send $1 for copy (includes postage). Gordon Ekland, 6518 Gunpowder Lane, Prospect, Ky. 40059

WANTED: National type MCN dial, any info/specs or prints regarding W.E. 2B Audiometer. Also back issues of W.E. "Oscillator" or "Pickups", Rodney Schrock, 402 Lincoln St., Somerset, Penna. 15901

TRADE: Tyne's "Saga" (Radio News) with covers for other Saga issues with covers. Floyd Lyons, Elks Hotel, 456 Post Street, San Francisco, Calif. 94102


FOR SALE or SWAP -- send S.A.S.E. for list of old battery radios. Bob Lane, 2301 Independence Ave., Kansas City, Missouri 64124

WANTED: Information on Tunger rectifier bulb No. 19523 PR G.S.F. Rectifier. Can be purchased. Don Cuptill, W1A0O, 17 Park St. Ct., Wellesley, Mass. 02181

RE-WINDING: audio frequency transformers in trade for old magazines and tubes. Can also do headphones and speaker coils. Send S.A.S.E. for info. Alan Douglas, Box 225, Pocasset, Mass. 02559

SELL or TRADE: Scott 16A (1948) set, also Kellogg with 401 AC tubes, Case, Columbia and other sets. SASE for list. Al Jochen, 2047 College Ave., Quincy, Ill. 62301

FOR SALE: Collection of antique tubes, magazines, handbooks and some parts. List on request. Harry Cap, 190 Beach Street, Bridgewater, Mass. 02324
THE REGENERATIVE PLUG-IN COIL SHORTWAVE RECEIVER
by Robert Merriam, WJNTX

This simple receiver reigned supreme for short wave use from the middle twenties to the middle thirties. Rarely among man's technical contrivances has so simple a device performed so well. Back in the pre-jamming, pre-QRM days the little two tube blooper could easily receive clear signals from the other side of the world.

It is hard to say who was the sole originator of these classically simple designs. Major Armstrong was the first magnitude star who both made and also clearly explained the operation of the first regenerative receiver (see IRE Proceedings, Sept. 1915, page 215). Armstrong also deserves credit for devising several different methods of regenerator control. Among these was the movable tickler coil. This method was never widely used in short wave receivers because of instability near the critical point of maximum sensitivity where the circuit breaks into oscillation. Instead, the beginning SW sets used the throttle condenser control which regulated impedance of the RF path from tickler to ground. It is not known for certain who the originator of the throttle condenser system was but the late Roland Bourne suggested that it was Mr. F. C. Beekley, a ham from West Hartford, Conn. and he suggested that the time of the throttle condenser's first appearance was sometime during or just after World War I.

The throttle condenser was preferred because of its smoothness and lack of noise. These qualities were considered to outweigh its drawback of pulling the operating frequency.

Later, in the early thirties, the potentiometer control came into favor because it eliminated the pulling problem. Operators were becoming more conscious of stability by this time. The crystal controlled transmitter was no longer a rarity.

In the evolution of short wave receivers John Reinartz's spider web design must not be overlooked though it seldom was used below 100 meters. Also the Hartley circuit itself was little used for plug-in coil sets until it reappeared in the late thirties.

Mr. Robert Kruse, the great technical director of QST in the twenties, probably has as much to do with getting the early short wave receivers perfected as anyone. Kruse and Ralph Batcher both held EE degrees from the University of Kansas and they often worked together. Later Batcher became top engineer for the A. H. Grebe Co. where he designed the Grebe CR 18 which was one of the earliest commercial plug in coil SW receivers. The CR 18 like the majority of such receivers designed in the twenties used the throttle condenser regeneration control.

Besides Kruse and Batcher other prominent names in the late twenties in the plug-in coil SW receiver field were James Millen, F. H. Schnell, M. B. Sleeper and Robert Hertzberg. There was a great cross fertilization of ideas among these men which produced such famous products as the Pilot Wasp, the Super Wasp, the REL portable and the various National thrill boxes. There were dozens of other worthy workers including McMurdo Silver and Walter V. Roberts. Not in the least of these is Paragon Paul Godley.

(Continued)
Hugo Gernsback started a new magazine in April 1930 called Short Wave Craft. It began on a shoestring with only an issue every other month. In its Dec. '31 - Jan. '32 issue there appeared a milestone article by Walter C. Doerle of Oakland, California. Doerle described how to build the cheapest, simplest two tube blooper of them all. It was made of pieces of tin can and discarded BC receiver parts. He followed this with a number of later articles each adding to the family of Doerle plug-in coil short wave receivers. Short Wave Craft truly brought the plug-in coil short wave receiver to flower, literally hundreds of pet sets were described through 1935. One of the hottest little jobs was the 19 Twinline by J. A. Worcester described in March of 1934 Short Wave Craft. Most of these sets were quickly made available to the public by a variety of very fast on their feet New York City manufacturers.

Before closing this brief account of the SW plug-in coil receiver two great receivers must be mentioned. One, the deluxe Model A Ford of such radios, which went with Admiral Byrd to the South Pole and with almost every other expedition of the thirties was the National SW 3. This efficient three tube became and still is a favorite among hams. The other great plug-in coil commercial receiver is less well known. This one is REL's two tube portable. Basically a Doerle using 2 type thirties this slick little receiver was built into a specially designed cast aluminum cabinet, batteries and all.

It has often been said that good engineering produces the most from the least. If this is so then plug-in coil SW receivers of 40 years ago rank close to the top in the history of engineering achievement.

BACK ISSUES of BULLETIN will be listed for sale in next issue at $1.00 each.

MYSTERY MOBILE

The above picture found its way into A.W.A. files several years ago. There is no identification whatsoever on the back and only a number (24) in the front right corner. Can anyone identify it? The year? Participants?
ANTIQUE WIRELESS ASSOCIATION

WEST COAST REGIONAL MEETING
Saturday, April 27th, 1974
9 A.M. to 5 P.M.
FOOTHILL COLLEGE ELECTRONICS MUSEUM
12345 South El Monte Rd.
Los Altos Hills, Calif.

MORNING
-- Welcome by officials of Electronics Museum, Perham Foundation and A.W.A.
-- Visit Museum exhibits
-- Inspect unusual early equipment brought by local collectors.
-- Swap/sale session of old gear.
NOON Lunch on College Campus

AFTERNOON -- Programming --
-- Early Days of Arc Transmitters by Dr. Leonard Fuller, Chief Engineer of Federal Telegraph 1913 thru WWI
-- Early Wireless in the Northwest Warren Green, W1JY
-- Old Time Receiver Contest
-- Entertainment "The Golden Twenties" Bruce Kelley, A.W.A. (WE2K)

Advance Registration $1
For registration or details, contact Dave Brodie, 315 Cotton St., Menlo Park, Calif., or telephone 415-323-0353

Hourly Bus connections for the one hour ride: Palo Alto to San Francisco both morning and afternoon, both ways.....See you April 27th.

THE SPARK SENDING SET

RADIOLA MODEL 25
This set is one of the early RCA "Second-Harmonic" super-hets using the famous catacomb modules with 199's and 120 output. Of particular interest is the lamp V7 which is a rare UV-877 -- a double filament bulb with bayonet base. Collectors are warned that if the catacomb has an "opening" -- they're in for some trouble since they are extremely difficult to repair.

THIS MONTH'S BROADCAST RECEIVER

RADIOLA 25 SUPERHETERODYNE
RESTORING OLD EQUIPMENT

How did you SOLVE a problem when restoring an old receiver? Drop us a note telling how you did it.

KEEP THOSE 227'S

Several years ago I acquired a huge quantity of off brand 227's in N.Y.C. Radio Row. The tubes did not check well (cathode leakage) or work satisfactorily until I incidentally used one as a detector in an AK Model 36. Here it seemed to work like any other 227 tube. I tried others from the same lot with like results. Apparently these slow cathode heater types (very faint dull red) will work in the detector stage of old sets with the familiar 226/227/171A tube lineup. (Frank Pagano)

MAINTENANCE PROBLEMS

Lubricate condenser shaft bearings and other moving parts in old sets actuated by belt drive (such as gang-drive AK's). It is very easy to break the belt--and then you are in trouble......

TRANSFORMER RE-WINDING

A recent ad in a commercial magazine tells of an outfit that re-winds all kinds of burnt out transformers. If you have a transformer problem--drop them a line for they may be able to help you. We haven't had a problem so can't verify their work. (W6CZR) The address is: Televideo Communication Lab 300 East 14 Street Hialeah, Florida 33010

PARAGON RA-10

The circuit of this early tuner (OTB 14-2-2) prompted Al Marcy (W4ID) to trace the layout in his two sets and send the exact schematic plus a few comments.

He tells us there were two versions of the set--the big difference being the number of binding posts brought to the front panel. Al also found 2 coils mounted on a small wooden spool about 1" in dia. and 1 1/4" long which were coupled to the earphone binding posts. His guess is they were used as a form of capacity across the phones. Too bad "Paragon Paul" Godley is no longer with us to clear up the mystery.

WATCH OUT

Trying out an old A.C. set for the first time after many years of non-use?? If so, keep an eye on the 60 rectifier tube. It is not uncommon to have the filter condenser "pop" -- this in turn will cause a short and make the rectifier tube show blue and get hot. If this occurs, turn off the set quick for you may end up with a burned out power transformer.....(Note: a preliminary check of the condensers without voltage may show they're OK -- it is the voltage that will make an old condenser, particularly electrolytic, short......)

AERIOLA INSTRUCTION SHEETS -- it is not uncommon to find an Aeriola Junior or Senior with the Instruction Sheet missing from the lid. To truly restore a set this sheet is a "must". Several have undertaken the task of reproducing the sheet. Everett Berry gave A.W.A. a number to sell with proceeds to go toward the Museum Fund. These and others have been straight black and white.... not the two color original. Ralph Williams and Ray Klusevitz decided to go all out and after rather an involved printing procedure they came out with the two color sheet. We have one at A.W.A. and it looks like the original. Interested? See their note in the Old Tyme Ad Column.
LIST OF WORLD BROADCAST STATIONS

This voluminous listing (205 pages) includes low frequency European stations and should be of value to old timers interested in broadcasting. It is available for only $2.50.

The same publisher also has available the popular historical book " Semaphore to Satellite" for $5.00, and the "Confidential Frequency List" ($3.95) both reviewed in earlier OTB's. If you do any listening -- SW, BC or VIF, write for descriptive literature.

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

GERNBACK'S RALPH

Peter Kailus (Western Springs, Ill.), a Gernback "buff", tells us that the RALPH 124C 41 Plus series published in " Modern Electrics" (1911-1912) was published in book form in 1925. This original 1925 edition is now selling for $50. It was again re-published in 1950 and 51 with a forward by Dr. Lee DeForest. The 1950 editions are also becoming rare. RALPH 124C 41 Plus is acknowledged as the first true science-fiction story.

S. GERNBACK'S 1927
RADIO ENCYCLOPEDIA

Sidney Gernback's Radio Encyclopedia is one of the best available pictures of radio's "state of the art" in the mid-1920's. It's also one of the best references we've seen on wireless technology. Written in 1927, it shows wireless and radio as seen by the men who were there.

This book is a priceless reference to collectors and historians with 175 pages and almost 1,000 subject headlines. Morgan McMahon is reprinting a limited number of hard-cover and hardbook copies (approximately 2000). Both editions will have sewn bindings and high-quality paper. We have an original at A.W.A. Headquarters and frequently refer to it for quick reference. Our copy is 8 3/4" x 11 3/4" -- we assume the reprint is the same size. The hard cover edition will sell for $12.95 and the hardbook edition for $9.95. We think it is a good deal -- see if you don't agree. There is a discount on large quantities. Prices include postage. Make check payable and mail to:

Vintage Radio
Box 2045
Paloos Verdes Pensulia, CA. 90274

Congratulations to our Australian members on their 50th Anniversary of Broadcasting. The above envelope (A stamp collector's delight) was received from A.W.A. member Bill Russell, VK4ME, Australia.
SWP NET BULLETIN 73-19

A.W.A. members who have had sea-going radio experience or land station assignments will enjoy Society of Wireless Pioneer Membership. Their publications are fun to read and full of historical information. We reprint below copy from one of their more recent Net Bulletins. Interested in joining? Write: Bill Brenhiman, Box 530, Santa Rosa, California 95402.

HIGHEST OCEAN WAVE EVER RECORDED

The American Tanker U.S.S. RAMAPO (NGOP) enroute to San Diego from Manila, P.I. on Feb. 7, 1933 recorded with great accuracy a wave 112 feet high. This was produced by winds 60 to 65 knots blowing over a 'fetch' of several thousand miles.

SHIP DISASTERS RESULTING IN GREATEST LOSS OF LIFE

The German Steamship GOYA carrying troops was torpedoed and sunk on April 16, 1915 with 7000 aboard. Of these only 170 were saved and 6830 lost their lives. Two other German ships, the SS WILLIAM GUSTLOFF was also torpedoed by Allied Forces during W1E with loss of 5000 lives as was the GEN. STUBEN on Feb. 1, 1945.

One of the greatest ship explosions occurred when the French munition ship SS MONT BLANC collided with the Belgium SS IMO, Dec. 6, 1917 and set off an explosion of 5 million tons of TNT that literally demolished the harbor of Halifax, Nova Scotia.

REMEMBER WHEN?

Art Collins, W9CXW was building ham gear in his home workshop? Below is a news excerpt from COMMUNICATION NEWS.....

COLLINS SHAREHOLDERS APPROVE the merger of Collins Radio Company into Rockwell International. In addition to its domestic facilities, Collins has manufacturing facilities in Canada, Mexico, England, France, West Germany, Italy, Australia, and Japan and service facilities all over the world.

RCA INSTITUTE/MARCONI SCHOOL

article in last OTB brought an interesting letter from Art Jacoby, W3OY, telling of his experiences at the school pre-WWI. Art graduated in January, 1916 and received his 1st Class "ticket" shortly after at the Brooklyn Navy Yard. A promotional pamphlet issued by the school in 1916 shows Art in a group picture -- and of course Elmer Bucher. Art's first assignment was on the SS BL DIA (call KKY) of the Morgan Line.

THE FINAL TOUCH----

The same weekend as our recent Conference, another historical group also gathered for their annual "moot" -- The Titanic Enthusiasts of America (T.E.A.) This organization has been mentioned in past OTB's telling of their interest in the ill-fated Titanic and other passenger ships of the period.

It must have been an interesting affair. Several survivors were present, movies were shown and the Saturday night dinner menu was EXACTLY the same served on the H.M.S. TITANIC, April 14, 1912!!

Think we're kidding? Reproduced below is the menu given to members on the occasion.

---

DINNER T.E.A.
Saturday, September 8, 1973

CHAMPAGNE TOAST
CONSUMME
ROAST TURKEY
Cranberry Sauce
GREEN PEAS
ROAST POTATOES
AMERICAN ICE CREAM
NUTS, ASSORTED
ROLLS, BUTTER, COFFEE
T.E.A. BIRTHDAY CAKE
CHAMPAGNE
ON EACH TABLE

This dinner menu the same as served on the TITANIC on April 14, 1912.
My book collecting hobby often brings me interesting letters. However, I was somewhat taken aback by the following note received from a book dealer, "Have Mark Twain story relating to television. Are you interested?" Indeed I was interested. Could the dealer be confused? Only one way to find out; my order was mailed without delay.

Belatedly it occurred to me that I already had a complete set of Mark Twain's writings safely packed in a carton under the eaves. Unpacked, the books were all there, minus one volume that was loaned to a dear friend years ago. The dear friend is now elsewhere, along with the book. Perhaps the missing volume contained the story in question. I well remember reading Tom Sawyer, Huckleberry Finn, Roughing It and Life on the Mississippi. Certainly nothing about television in those.

My search through the other volumes was hardly underway before the ordered book arrived. Sure enough, Mark Twain had written about television. It is a short story called "From the London Times of 1904" and is in volume 32 of the Author's National Edition published in 1899. Here is the story in a nutshell. A London Times correspondent based in Chicago phones in an article to his newspaper by cable telephone. (Transatlantic cable telephone first went into operation in the mid 1950s) It concerns an inventor named Szczepanik and an American, Lieutenant Hillyer. Szczepanik has invented world wide television calling it teleelectroscope. A fat argument takes place between Szczepanik and Hillyer as to the practical value of the invention. Szczepanik disappears. Hillyer is accused and convicted of his murder. The gallows is just about to be sprung when the reporter sees Szczepanik on the teleelectroscope. Szczepanik is watching a parade in Peking. The noose is removed from Hillyer's neck and he becomes a free man; or so he thinks.

The ending displays Mark Twain's sometimes cynical observation of mankind.

A visit to the library disclosed the story was first published in The Century Illustrated Monthly Magazine, November 1898.

Webster seems to have taken this story as fact. The Webster 4th edition has this definition: teleelectroscope - an apparatus for electrically transmitting optical images of objects at a distance, invented by Szczepanik, an Austrian Pole, in 1898.

In the 1956 edition Webster retreats a bit by shortening the word to teleelectroscope and omitting the inventor's name. The definition reads: - an instrument electrically transmitting optical images of objects at a distance.

The 1966 edition makes no mention of the word.

Does Mark Twain qualify as the earliest fiction writer depicting television?

---

**BACK ISSUES**

The following OLD TIMER BULLETINS are available for historical reference. Order direct from: Bruce Kelley Main St., Holcomb, N.Y. 14469

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11 - 3</td>
<td>13 - 1</td>
<td>14 - 2</td>
</tr>
<tr>
<td>12 - 1</td>
<td>13 - 2</td>
<td>14 - 3</td>
</tr>
<tr>
<td>12 - 3</td>
<td>13 - 3</td>
<td>14 - 4</td>
</tr>
</tbody>
</table>

Rare issues at $2 each
Vol. 9 #3 Vol. 10 #4
Vol. 1 #2, Vol. 1 #3 and cover binding. All three for $1

---

**SPRING MEET at BABE'S FORT, N.Y.**
Saturday May 25
LOTS OF ACTION!
THE QUADRATRON

This tube was the brain-child of H.K. Ruppert, Consulting Engineer to the Baker-Smith Company of San Francisco, California. It was designed especially for use in cathode-ray oscilloscopes and described by Ruppert in an article which appears in RADIO NEWS for July 1928, on pages 50-51.

This tube contains what the author calls an "auxiliary grid" -- which is a triangle of sheet metal, apparently in the plane of the filament. Shown is a drawing of the construction of this tube reproduced from the article mentioned above.

The "auxiliary grid" was brought out to a 4-36 machine screw (which may at one time have had a knurled nut on it) projecting from the IX plastic base. This was not shown in the original drawing, but I have added it in the reproduction.

It was claimed that the filament could be operated on "filtered a.c." (whatever that may mean). The circuits for its use are also reproduced from the article. As far as I have been able to determine, it was never advertised for sale in the radio journals, so the article quoted above is the only method of dating it.

QUADRATRON CIRCUITS

Of particular interest are 6 and 7 with the latter using the extra element as cathode return. Looks familiar doesn't it?

---

**ELECTRICAL CHARACTERISTICS OF SOME TYPES OF AUDIONs USED FOR RECEIVING PURPOSES 1921**

<table>
<thead>
<tr>
<th>Type Designation</th>
<th>1 &quot;D&quot;</th>
<th>2 &quot;F&quot;</th>
<th>3 Aerotron</th>
<th>4 Radiotron UV-201</th>
<th>5 Meier</th>
<th>6 Moorhead</th>
<th>7 &quot;G&quot;</th>
<th>8 Radiotron UV-201</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filament</td>
<td>coated</td>
<td>coated</td>
<td>coated</td>
<td>tungsten</td>
<td>tungsten</td>
<td>tungsten</td>
<td>tungsten</td>
<td>tungsten</td>
</tr>
<tr>
<td>Filament current (normal)</td>
<td>2.3 a</td>
<td>2.6 a</td>
<td>0.2 a</td>
<td>1.0 a</td>
<td>0.5 a</td>
<td>0.5 a</td>
<td>0.5 a</td>
<td>0.5 a</td>
</tr>
<tr>
<td>Filament voltage (normal)</td>
<td>2.3 v</td>
<td>2.6 v</td>
<td>1.1 v</td>
<td>5.2 v</td>
<td>3.3 v</td>
<td>5.2 v</td>
<td>2.3 v</td>
<td>2.3 v</td>
</tr>
<tr>
<td>Amplification factor</td>
<td>60</td>
<td>50</td>
<td>50</td>
<td>15,000</td>
<td>63,000</td>
<td>320</td>
<td>60</td>
<td>50</td>
</tr>
<tr>
<td>Plate resistance (ohms)</td>
<td>570</td>
<td>360</td>
<td>300</td>
<td>410</td>
<td>320</td>
<td>260</td>
<td>260</td>
<td>260</td>
</tr>
<tr>
<td>Plate voltage for amplification</td>
<td>120 v</td>
<td>80 v</td>
<td>30 v</td>
<td>60 v</td>
<td>60 v</td>
<td>60 v</td>
<td>60 v</td>
<td>60 v</td>
</tr>
<tr>
<td>Plate voltage for detection</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
<td>20 v</td>
</tr>
<tr>
<td>Grid bias (volts)</td>
<td>-1 v</td>
<td>-1 v</td>
<td>-1 v</td>
<td>-1 v</td>
<td>-1 v</td>
<td>-1 v</td>
<td>-2 v</td>
<td>-1.5 v</td>
</tr>
</tbody>
</table>
NOW AND THEN

Today, on the golden anniversary of its first regularly-scheduled broadcasts, WWV occupies a 380-acre site near Fort Collins, Colo., with its own building, emergency power plant, and antenna field. It continues to broadcast standard frequencies. Fifty years ago, the standard frequencies helped the broadcasting industry transmit primitive "radio telephony" to a select few with bulky receivers. Today, WWV serves a mature and well-ordered broadcast industry reaching virtually every home in America with video and sound.

The original WWV transmitter broadcast a number of standard frequencies from 200 to 545 kilocycles per second (kilohertz) with an accuracy of 1 part in 10,000 and transmitter power of 1 kilowatt. Today's WWV broadcasts range from 100 cycles per second (hertz) to 25 million cycles per second (megahertz), with an accuracy of a few parts in 10,000 billion and up to 10 kilowatts transmitter power.

Original broadcasts were made between 11 p.m. and 1:15 a.m. eastern standard time, after commercial stations left the air. This guaranteed no interference, which was the principal problem of the radio industry during that era, and allowed users a chance to calibrate their wave meters. Today, WWV broadcasts around the clock.

FIVE SITES IN 50 YEARS

WWV standard broadcasts came from the NBS grounds in Washington, D.C., for nearly 8 years; until January 1933, when frequency transmissions began from a new location in College Park, Md., northeast of Washington.

After 2 years at College Park, the transmitter was moved to a 25-acre site at the Experimental Farm of the Department of Agriculture in Beltsville, Md., northeast of Washington, D.C. January 1943 was moving time again for WWV, this time to a site 3 miles south, but still with a Beltsville address.

There in its new facility, WWV served the nation with time and frequency broadcasts during the critical years of World War II. Many a veteran navigator of an airplane or ocean vessel nostalgically recalls the welcome sound of the monotonous format of WWV broadcasts which helped him guide his vessel through the trackless and hostile foreign territories. It was a reassuring sound emanating from a small brick building at Beltsville with blackout curtains covering the windows. The wave meter standard had long since been replaced by the tuning fork and the tuning fork had now been replaced by three quartz crystals buried in a concrete vault 25 feet below the surface of the ground. There temperature and humidity were constant and the crystals provided time and frequency signals of unprecedented accuracy.

In the late 1950's, the growing city of Greenbelt encroached on Beltsville and the address of the WWV site was changed to Greenbelt. NASA's Greenbelt Space Center was crowding WWV and finally became owner of the site. The equipment was obsolete and the location was far from the new NBS time and frequency control center, the Radio Standards Physics Division at Boulder, Colo. A new site was selected for WWV about 7 miles north of Fort Collins, Colo., (50 miles from Boulder) where there was no industrial crowding and the highly conductive soil of an ancient lake bed provided an ideal transmitting site. In addition, this central location provides more uniform coverage of the continental United States.

Transmissions from the Fort Collins site began at 5 p.m., December 1, 1966 (zero hours Greenwich time).
SUNDAY SSB Net at 12 Noon seems to be functioning normally on 3900 KHz in spite of a tendency toward longer skip during this low number segment of the sun spot cycle. However, the Tuesday 8 PM Net has been impossible at times with heavy QRM from the midwest. Newcomers welcomed on the Sunday Net include K1WNU, W2PGS, W3KIA and W3AQ. The CW Nets, having less QRM have generally enjoyed better contacts although nearly stations get a bit vague and fluttery at times.

K2NP and K2XX are /6 and /7 and we hope to hear from them during their travels.

HAMS ARE conserving energy too! The QRP bug has hit the 4 PM Net frequently. Harry, W2ARX finally made his dream come true. His TTI now sports a UX-199 with 720 MW input and going for records. It has a cute little chimp just like in the '20s which Harry will lick eventually. He has QSO'ed most of the Net.

NOT to be outdone, Cliff, W2AFE, applies modern science to a pair of MOPA X-sisters and puts out 70 mils RF to a 50 ohm line. He uses a single 9 volt mini battery, next with a variable series resistor to QRP-PP.

CLIFF wanted to hear how he sounded on the air and mailed the whole thing to W2EGN for 27 cents. I had a ball with it working the Net. Try to beat that one Harry!

NEXT the bug hit EV, W3AQ. He called in with 7 watts to his exciter and was surprised at the quick comeback. What are a few DB among hams? Nothing if the QRmers will turn up their gains and listen a bit before burning their key contacts with KW. It is better to listen than to just receive!

BILL, W2EFP, up in Marquette, Michigan waited a long time for the 4 PM Net to come thru and made it Jan. 3. Now the Gummint tells him by going to Daylight time. Don't give up Bill, perhaps Mr. Heaviside's Layer will be more cooperative than the Gummint.

TWO MORE old time xmttrs have hit the air: W3KIO with a TTI 210 and VE3RDV with a TTI 45. It was a pleasure busting in on your testing that nite in October. FB fellers! Watch for the coming QI Xmt Party. Incidentally, W3AQ has a 211 panting to be released.

W6SAI, Bill Orr, sidetracked construction on his UV-20A final xmt to play with a Collins 30FX (211 grid modulated final) which he inherited. Also in the shack are a Collins 30W (47-47-210) and a 32B (the old 46 job) -- for receiving, a Comet Pro. Bill, the next contest is scheduled when you are not in Hawaii, SJ.

W6LC, Paul out in Chicago, is retiring from WGN in June and is now restoring his old 20L-A xmt. Paul claims to be the only one who ever had a two tube receiver and a one tube transmitter with only 40 tubes! When he stood by for the other fellow, he had to yank the 20L-A out of the transmitter and put it into the receiver socket! Apparently he didn't overload the tube so he could handle it without getting burned. Paul, you should have invented the transceiver! There are other 20L-A sets on the air now and we hope you will join us old fashion guys soon.

RALPH, W4IK, where is that restored 171-A xmt? We are listening for it and also we sent a crystal to George Guy in Wall, N.J. and waiting to QSO his 1929 QST xmt.

ELSEWHERE in the CTS the next OLDE TYME XMT contest is announced and we hope more members will join in on the fun and that some of the lost veterans will return. I haven't yet heard of any blown ancient tubes! Replacements can be found -- except for a UV-202. Remember, the Party is for EVERYONE, even for fellows with modern xmttrs.

NEXT ISSUE -- circuit and details on how to build a 1929 TTT transmitter and a popular high powder crystal control set for 1974 operation.
H A M - A D S

Q S T

May, 1924

FOR SALE BARGAIN—New 5 Watt Broadcasting Station including motor Generator, Tubbs and Microphones. Write for particulars. Webster Electric Company, Racine, Wis.

MASTER RADIO CODE in 15 minutes. Ten word speed 3 hours. Our students made these world records. Previous Failures who tried all known methods have thanked us for License. To hesitate kills speed. To master Code our way allows hesitation; gives speed. Code instructions that instruct only $2.00. Information free. Dodge Radio Shortcut, Dept. SC, Mamaroneck, N. Y.

HERE YA ARE—DX Receiver, one tube, all districts in ten minutes $20.00. 2 Willard Storage $4.00. Slightly used. Snap it up. Melbourne Renken, Cole Camp, Mo.

I AM UNABLE to use the Grebe Transmitter which I won in the recent Transatlantic test. This transmitter was described in the October issue of Q.S.T. and is being held at the manufacturers' request for me to make the required tests. A chance to secure this DeLuxe transmitter at a bargain price. - J. A. A. Bourns, Chatham, Mass.

FRENCH TUBES—the original, one of the best detectors and amplifiers known. Original price, $1250; our price, $4.50; Three, $12.50. Feitse Radio Laboratories, Wauwatosa, Wisconsin.

RENT ME Your Spark Set, Send Terms to OBNT.


SACRIFICE—(1) KW 500 cycle alternator $45; (1) KW alternator $25; (1) KW Copy 750 watt trans. $22.50; new UV209's $20; 4 WE peanut Tubes $4; Cotel CS Calibre Automatic $22; 1500V Calibre; two other Calibre apparatus—Edward Page, Baldwinsville, N. Y.—BAGQ.


FOREIGN amateurs, KDKA and WGY pound in on low waves. Electric and complete data for One Dollar. Low loss condensers, eleven plate, three dollars, twenty-three plate three fifty. Send stamp for complete list. Superior Cell Company, Harwichport, Mass.

FOR SALE—2 Grebe RORN $40.00 each; Grebe CR-3 $40.00; Grebe RORD $50.00; Amrad Varmeter set with 2 step $50.00; single circuit with 1 step $25.00; Acme 76 watt power trans $11.00; complete 1/2 KW Spark $25.00; Thorophone $35.00; Michigan Variocouplers $3.00 each; 9-5 Jewell R.F. ammeter, large size, $9.00; Single circuit 2 step complete with Magnovox, etc., $60.00; Roinart tuner $15.00; Model C Superheterodyne complete with storage "B," Loud Speaker, etc., $300.00; write for list of new and used parts and apparatus. Electrical Specialty Company, Valparaiso, Indiana 5DVK.


SPARK TRANSMITTERS

75 Watt, Portable. Made for U. S. Army Aeroplanes Government Cost $45.00 each. Our Price $5.00 Each

AMERICAN SALES AGENCY
38 Park Row New York City
Tel. Cortland 5181

1926 QST "ADS" The spark transmitter noted above is currently selling for about $75.00!

ROY ALEXANDER WEAGANT
1881-1942

Roy Alexander Weagant (M'13-F'15) was born on March 29, 1881, in Morrisburg, Ontario, Canada. When he was but a few years old, his family moved to Dernby Line, Vermont. He received a Bachelor of Science degree from McGill University in 1905. The next year was spent with the Montreal Light, Heat, and Power Company, and the following year with the Westinghouse Electric and Manufacturing Company at East Pittsburgh, Pennsylvania. In 1907, he entered the employ of the DeLaval Steam Turbine Company of Trenion, New Jersey. From 1908 to 1915 he was with the National Electric Signalling Company. He became Chief Engineer of the Marconi Wireless Telegraph Company from 1915 to 1920 and served as a Consulting Engineer for the next four years to the Radio Corporation of America which was a successor to the Marconi Company. He then served as Chief Engineer and Vice President of the DeForest Radio Company and later devoted his time to a consulting practice.

Mr. Weagant was the second recipient of the Morris Liebmann Memorial Prize which he received in 1920 for his work on methods for reducing the effects of static in the reception of radio signals.

The death of Mr. Weagant, which occurred at Newport, Vermont, on August 23, 1942, marks the passing of another of the early pioneers who contributed substantially to the new art of radio communications.

CONE SPEAKER

Rus Worthy notes the remarkable similarity between the driving motors on the Radiola and Western Electric cone speakers. Could they have been made by the same manufacturer??
In Memoriam

Jonathan Eldridge Dead at 64; Won Medal for His Role in Radio

I.T.T. World Communication executive who helped install and manage the well known marine coastal station WSL near Southampton, L.I. He was manager of the station from its opening in 1929 to 1956 under the original ownership of Mackey Radio & Telegraph and later I.T. & T. OM Eldridge held the amateur call W2CRK and was recipient of the V.W.C.A. Marconi Memorial Gold Medal for distinguish service. (W2NX)

Bert Martin Jr. Killed by Car

K2LB/W3NT Jan. 7 (62 yrs.)
Radio amateurs in upstate New York were shocked by the above headline. Lt. Col. Bert Martin had been active on the local "nets" the day before this unfortunate tragedy and had talked to many A.W.A. members. OM Martin was active in numerous activities including Civil Defense. In addition to his amateur radio interests, he was also a collector of early equipment. May he travel in an Easterly Direction in Peace.

Tube Burns On ... And On

The above headline was found in a Western Electric company paper and shows a W.B. Type "F" repeater tube (small spherical tit-top) being removed from an outdated voice frequency amplifier. The tube was installed in the Kingdom City, Missouri telephone office in 1931 and had been burning steadily 24 hours a day, seven days a week, ever since -- 42 years! (1973)....this answers the question by collectors, "What's the difference between W.B. tubes and commercially available types?" W.B. designed and manufactured a tube for lasting relibility -- tubes for common BC use cost less with proportionate life span.
---Info from Gary Micanek

SILENT KEY

Robert Haner, W2A8 (formerly W2FBA)
Amater radio and the engineering field lost an outstanding member with the sudden death of Bob Haner of Scottsville, N.Y. while on a special assignment with his company (General Railway Signal) in Labrador. The call W2FBA was well known in both contests and the DX field.

Radar Developer, Watson-Watt Dies in Scotland

Sir Watson-Watt (81 yrs.) developer of the world's first practical radar system at Inverness, Scotland. Sir Robert began working on a form of radar as early as 1919. He perfected a system in 1935 and it played a crucial role in World War II.

Lizette Hermant Sarnoff, Widow of Ex-RCA Head

NEW YORK, Jan. 9 (AP).... Mrs. David Sarnoff, 79, widow of the former chairman of RCA, has died here following a brief illness. Mrs. Sarnoff died Tuesday night. The Sarnoffs were married July 4, 1917, when Sarnoff was a young executive with the Marconi Wireless Co. of America, the predecessor of RCA. Sarnoff died Dec. 12, 1971.
Born Lizette Hermant in Paris, Mrs. Sarnoff came to the United States with her parents in 1916.

(Trans K3CL)

PIRATE IS BACK

Radio Atlantis, an off-and-on Belgian pirate radio station is operating again off the Belgian Coast according to a recent Belgian newspaper. Too bad we don't have such excitement (?) here in the states. According to the paper, it would be on the air with a more powerful transmitter than previously and could be heard between 3 and 5 P.M. with disc-jockey Christin John. It tells that an investigation is underway and the pirate ship has been identified as the "M.S. JANINE"....
THE FRENCH CABLE STATION MUSEUM

Location: Corner of Cove Road and Route 28, Orleans, Massachusetts

Open: Friday, Saturday, Sunday and Monday 2:00 to 4:00 P.M.

This Museum was the Cable Station built in 1890 for three cables operated by the French Telegraphi Cable Company: one from Deolen in France to Duxbury, Mass., by way of St. Pierre and Miquelon, laid in 1869 and extended to Eastham in 1879; another, "the direct," cable from Deolen laid in 1897, and another from New York. The cable station was closed in the spring of 1940 when the Germans invaded France. It was back in service briefly in 1952 but closed for good in November 1959.

Many important news events have come through these cables, such as the wreck of the S.S. Portland, Lindbergh's safe landing in Paris, the sinking of the S.S. Lusitania and the German submarine surface at Naustet Inlet and sinking barges. It was a very important communication link between the U.S. Army here and in France during the First World War.

This Museum is the only one of its kind with the original equipment in place as it was when in operation. It has been placed on the National Register for Historic Monuments and has been sponsored by the Massachusetts Historical Commission, the National Trust for Historic Preservation and the Smithsonian Institution.

BRITISH SCIENCE MUSEUM

Mal Comer (Ammore, Pa.) is the most recent member to visit this famous museum at Kensington (London) England. He tells us the Telecommunication Gallery is no longer the miscellaneous of the past but a well organized area showing the progress of radio from the earliest days thru to modern broadcast/TV and radar.

Emphasis, of course, is on Marconi showing some of his early equipment such as coherer type receivers and a complete ship wireless cabin circa 1900. Tube collectors will see many variations of the first radio tube — the Fleming Valve as well as other types including our own De Forest Audion.

The Museum is a fascinating place where one can easily spend a day. Past visitors will immediately notice the change.

THE MUSEUM OF INDEPENDENT TELEPHONY recently opened in Abilene, Kansas. Very little information is available other than exhibit material will relate to landline telephony made by independents --- meaning, I presume other than "Ma Bell". Anyone have further info?

TUCSON, ARIZONA A.W.A. members plan to attend the local amateur radio club meeting March 13th. There is an excellent chance A.W.A. President Chuck Bretsford will be there presenting an A.W.A. Historical Radio program.

EXCITING DISPLAY

There are all kinds of radio/electronic collecting interests -- but one of the more unusual is one being worked on by Hal Dinger, W2XH. He is assembling a huge display of 1600 Postal Items depicting the History of Telecommunication (stamps, envelopes, etc.) A.W.A. members may be fortunate in seeing this remarkable collection since Hal may bring it to a future A.W.A. Conference.