Second-class postage paid at Dallas, Texas

Office Address: 9820 Silver Meadow Drive, Dallas, Texas 75217

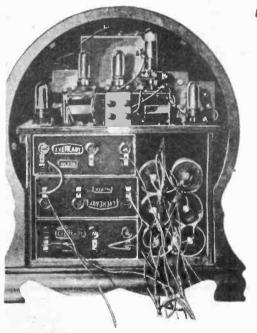
214-286-1673

THE NEWSPAPER FOR THE HOBBYIST OF VINTAGE ELECTRONICS AND SOUND

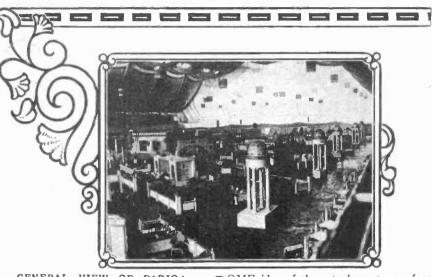
THE HORN 5

Radio Expositions

Radio News for December, 1925



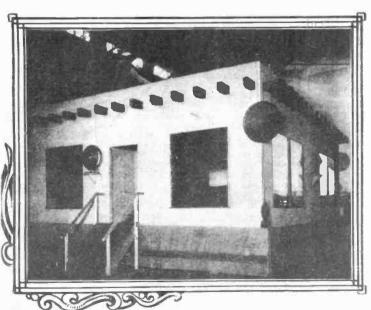
OCK. Above is the rear view of the set own on the opposite page. As can be n, all the accessories are contained in the cabinet. © P & A Photo.



GENERAL VIEW OF RADIO WORLD'S FAIR. This exposition was held at the same time as the National Radio Exposition at the Grand Central Palace, both taking place in New York City. At both these shows many new developments in the radio art were shown for the first time.

THE WORLD'S LARGEST RECEIVER. This monster "super-het" attracted great interest at the show. Some idea of the size can be obtained by comparing the girls with the set. © Kadel & Herbert.





THE CRYSTAL
BOOTH AT
THE RADIO
WORLD'S
FAIR. From this
booth several interesting programs
were put on the
air by WRNY.
© Fotograms.

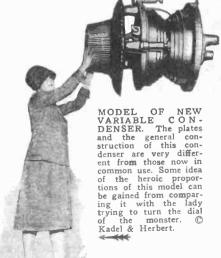
SOME idea of the actual greatness of radio may be gained from the fact that during the autumn season just passed, there have been more than a dozen radio shows given in this and foreign countries, which were attended by more than a million people. By comparison with other shows of a strictly class nature or appealing to a definite trade or industry, this is a record at which to marvel.

shows of a strictly class nature or appealing to a definite trade or industry, this is a record at which to marvel.

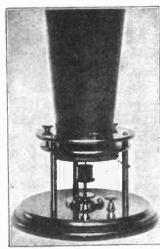
The opening of the season came in New York with its two shows, one given at the Grand Central Palace and the other at the 157th Regiment Armory. They were run from two different points of view and both received a large number of attendants. The total at the Palace ran to well near 100,000 people for the seven days.

Since the fall is the opening of the radio season, there were several novelties presented in both sets and equipment. As a matter of fact, a new trend was shown which has been predicted by Radio News for several months past. This trend is, of course, the single-control idea. An editorial in this magazine more than a year ago called attention to the logic of this design. And that the idea has at last been taken up by the chief manufacturers of the industry cannot be denied. A good percentage of the sets shown incorporated this idea and the others showed a visible reduction in the number and intricacy of controls.

Some of the interesting points in connec-



TELEPHONE CENTENNIAL 1876 - 1976





THE WORLD'S LARGEST VACUUM TUBE. Nearly everything at the radio shows in New York City was either "the largest or the smallest in the world" and the above appellation holds for this tube.

(**) Fotograms.

tion with the various shows are given in these two pages of illustrations.

Following the New York shows which opened the season, there were others which took place in rapid succession in Philadelphia, Washington, D. C., Baltimore, Boston and Chicago. With one exception every show was a huge success and drew an attendance which compared favorably with that of the New York shows.

There were several other innovations be-

There were several other innovations besides the single-control idea which made their appearance. Of course, one of the most important was the incorporation of rectifiers and filters so that both the plate current and the filament supply could be



FIND OF THE MONTH

I would like to relate to you an experience I had in my collecting. Like most collectors when traveling, I like to stop at every antique shop I see. On this particular day I had stopped at a little shop near Fulton, Kentucky, and asked the man who operated the shop if he had any old radios. He said that he didn't but that there was a part of an old radio on the floor in a corner of the shop. I picked it up and immediately saw that it was a Radiola III with one WD-ll in it. It was in very good condition except for the dust and dirt that covered it. Before I had a chance to ask the price of it, he said that he was asking eight dollars for it but that I could have it for five if I wanted it. Now if only I can be lucky enough to find an Atwater Kent Breadboard for a price like that! I'll continue looking.

I'm sure there are other collectors in the Memphis area. I would like to hear from them.

> Sincerely, Willis A. Rudolph 5608 Elmhurst Ave. Memphis TN 38118

LETTERS

Dear Mr. Cranshaw:

I am very happy to see the re-prints in the last 2 issues of The Horn Speaker of old phonographs.

I was especially pleased to see the copy of Edison records for 1908. These help to date records that people like me collect.

Would like to know if any of the readers have any original Russ Columbo records (Victor 22000 series) or any Bing Crosby records (Brunswick 6000 series)... am also interested in Paul Whiteman and Ted Lewis records of the 20's. Thanks and best wishes.

> Sincerely, William Smith 6105 Queens Chapel Rd. Hyattsville, Maryland 20782

Dear Brent:

I haven't written to you in a long time, but that article in the Sept. Horn Speaker, was a jewel, and I thought I'd better let you know how much I enjoyed it. That sort of thing is what the collecting hobby needs. Guys like you who have a lot of savy, and are willing to share it with others.

> Regards, Bob Lucas 9014 Mahoning Houston TX 77074

Dear Sir:

I receive your fine Horn Speaker and enjoy it very much.

I would like to learn much more about Radio-Electronics Pioneer Hugo Gernsback and his writings. Can you put me on to some reading material that deals with this?

> Any help would be appreciated. Thank you, K. A. Ladd 7525 Wentworth Ave. Richfield, Minn. 55423

BACK ISSUES The Horn Speaker

All 10 back issues for 1973...\$8.00 Single issues....\$1.00 each

All 10 back issues for 1974...\$6.00 Single issue....\$.75 each

All 10 back issues for 1975...\$5.00 Single issue....\$.75 each

Later, we should have complete volumes for 1972.

The Horn Speaker

Box 12 Kleberg, Texas

75145

FOR THOSE WAO WANT TO CAIR ...

ATTENTION ANTIQUE MAINTO GUILDTONS. EMPRICEMENTS. BIRE 12.002 MATCHING.

ACTION OF HEALT LYNCHMENT LITTLE THE POOR, MARCHING, AND CHALCOSITIES

BOOMS all your old time radio problems...asev on the long distance phone call, inspirites, letters, and both of our valuable time. These rare books will eachle agrees to repair, reveroe, find out about that unknown 1920-25 fix radio, bedind 1700 non-truction plans (like the old days) caystal sets, the first Marcond wireless ests and stations, one through 10 these sets, any type of drivetic, bedind 1700 non-truction plans (like the old days) caystal sets, the first Marcond wireless ests and stations, one through 10 these sets, little the radio seeds and stations, one through 10 these sets, little the radio seeds made and the sets of the control of the sets of the For those who want to learn... ATTEMPTOR ASSTRUM RADIO CONTROLS, ROLED FOR HER IS ONE HET RESTORICAL.

TOT THOSE WIPO WANT TO CEMENT DEC.

13. 1252 RA ARdial Robal 60 Super-Surgery Dustraction and Operations Hamal Complete with wiring diagrams in pages, mill illustrated discussions of the surgery of the

Club News

CONTEST WINNERS OF THE 1976 CONVENTION OF THE SOUTHWEST VINTAGE RADIO AND PHONOGRAPH SOCIETY

Best of Show: Walt Jackson (won the extra large trophy) Catagories: a. is first prize, b.

is second and c is third.

1. Crystal Sets

a. Glen Zook

b. Basil Abbott

c. Bill Miller

2. T.R.F. Receivers

a. John Alford b. Walt Jackson

c. Bob Lucas

3. Regenerative Receivers (pre 1930)

a. Clarence Johnson

b. John Alford

c. Bob Sullivan

4. Super Heterodyne Receivers

(pre 1930)

a. Basil Abbott

b. No entry

c. No entry

5. Components and Assemblies

a. Glen Zook

b. Jim Collings

c. Mr. Edwards

6. Loudspeakers (horn, cone, etc.)

a. Basil Abbott

b. John Rawlins

c. Glen Zook

7. Homebrew and Kit Receivers (pre 1930)

a. Clarence Johnson

b. Ross Smith

c. O. H. McDonald

8. Table model AC receivers (past 1930)

a. John Alford

b. O. H. McDonald

c. Bill Boruff

9. Console AC Receivers (past 1930)

a. Charles Lamb

b. Jim Collings

c. O. H. McDonald

10. Classic Receivers

a. J.W.F. Puett

b. No entry

c. No entry

11. Ham gear (pre 1940)

a. John Alford

b. Dave Medley

c. Glen Zook

12. Phonographs, outside horn

a. Bill Boruff

b. David Boruff

c. No entry

13. Phonographs, inside horn

a. Bob Sullivan

b. Bill Boruff

c. David Boruff

14. Telephone/Telegraph

a. Walt Jackson b. Ross Smith

c. James Todd

TURN BACK THE



April 23, 1938 by Fred L. Davis

Metro-Goldwyn-Mayer's 14-year-old "Good News" songstress, Judy Garland, really was called back from her personal appearance tour because audiences disliked seeing such a youngster whip out burning TORCH SUNGS....

Boners came in threes: When the LUX RADIO THEATER was aired on April 4th, pinch-hitting Edward Arnold slipped twice by announcing "Noyd Lolan" for Lloyd Nolan, and everybody held their breath awaiting the third muff. It came when mikeman Mel Ruick started his sign-off with "This is the National - - -" and then remembered that the show was on the Columbia Broadcasting

Jimmy Wallington, met on his return from New York, explained his differences with Eddie Cantor as merely over salary and the exclusive clause Eddie wanted in the contract. Jimmy is taking his first vacation

(page 10)

CLOSE OUTS.....CLOSE OUTS......CLOSE OUTS.....CLOSE OUTS.....SAVE \$\$\$\$

P O BOX 19406 DALLAS, TEXAS 75219 EVENINGS - 214 262-7855

EMPORIUM

WALT JACKSON

WALTS

56. THE BLECTROMAGNET 1903 WAS \$8.00 NOW \$3.00 57. THE FUNDAMENTALS OF BLECTRONICS 1945 WAS \$3.00 NOW \$1.00

58. THE BLECTRIC TELEGRAPHIC CODE 1901, WAS \$25.00 Now \$20.00

LIMITED QUANTITY.....NEW (OLD) BOXED TEST METERS



4-B BATTERY

HAS U. KO TEST METERS makes it possible for YOU to test your own lt-90 volt radio A-B Battery. Simple directions tell you h how to test the A and B sections of your battery. See for yourself if it needs replacement. No use discarding a live battery. See time and money with a UKO Test-Meter. _ \$800

TEST-METER

CLOSEOUT ON MUSIC BOX.. DESIGNED LIKE OLD CURVE TOP RADIO IDEAL FOR PRESENT HAPPY DAYS" BUY SEVERAL AT THIS LOW PRICE

63. Collins, A. Frederick, THE RADIO AMATEUR'S HANDBOOK. 1943 \$7.50
64. Collins, A. F. THE BOOK OF WIRELESS 1915 \$12.00
65. CES RADIO IN 1937 survays, a book for executives who wanted to know the number and quality of families in the radio audience \$8.00
66. ELECTRICITY NOTES ON BLECTRICITY published by His Majesty's Stationery office, 1911, 236 pages, \$8.50
68. Frederic, Wilson, TELEGRAPHY AND HOW TO LEARN IT 1901 89p.\$15.00
70. Hale, J.W. PRACTICAL MECHANICS AND ALLIED SUBJECTS 1915 \$4.00
74. ICS A TEXTBOOK ON BLECTRIC LIGHTING AND RAILWAYS 1901 \$6.00
75. Keen, R. WIRSLESS DIRECTION FINDING 1947 \$3.00
76. Laughter, Victor WIRELESS TELEGRAPH AND TELEPHONE HANDBOOK \$14.00
81. Mills, John RADIO COMMUNICATION THEORY AND METHODS WITH AN APPENDIX ON TRANSMISSION OVER WIRES, 1917 \$5.00
82. Moreton, David P. DARKE'S TELEPHONE HANKBOOK 1915. \$11.00
83. Popular Science RADIO FORL THE MILLIONS 1943 \$5.00
85. Radcliffe, WH TELEPHONE CONSTRUCTION, INSTALLATION, WIRING, D OPERATION AND MAINTENANCE
86. Sperry Gyroscope Co MICROWAVE TRANSMISSION DESIGN 1944 a\$2.00



PLAN NOW ATTEND SOUTHWEST VINTAGE

PHONOGRAPH SOCIETY LONGRAPH SOCIETY

8-26-79

1879:

1880:

1-1-80

1-1-80

4-80

THE TELEPHONE HISTORICAL CHRONOLOGICAL CHART

by Brent Dingman Alexander Graham Bell and Tom A. Watson develop the first Telephone-Harmonic Telegraph receiver at 109 Court Street, Boston, Mass. 1876: 3-7-76 First telephone patent issued Alexander G. Bell. 3-10-76 First complete sentence transmitted by Bell's telephone. First two-way telephone transmission over an outdoor line, two miles, Boston 4-10-76 to Cambridgeport, Mass. First transmitter and receiver exhibited at the Philadelphia Centennial. 6-6-76 1877: 2-7-77 Thomas A. Edison invents and patent's the Carbon Transmitter. The first telephone switchboard was installed in the office of E. T. Holmes, 5-77 Boston, Mass., serving four banks, by day a telephone system, night burglar Sj Box and wooden hand-type telephones were introduced and used. 6-77 First Telephone Organization established: A. Bell, T. Watson, T. Sanders, and 7-7-77 G. Hubbard, they now owned the patent and eventually became parts of Bell Tel. First real non-profit telephone exchange was established at Bridgeport, Conn. 8-77 1878: Wall telephone complete in wooden box introduced, also Wall Transmitters. 2-78 2-78 Formation of the New England Telephone Company. First Switchboard for Commerical Telephone exchange use installed at New 1-28-78 Haven, Connecticut with 21 subscribers, another at Meriden Conne 2-17-78 California Telephone Exchange at San Francisco. New York Telephone Exchange at Albany. 3-18-78 4-78 Delaware Telephone Exchange at Wilmington. 4-19-78 Massachusetts Telephone Exchange at Lowell. 5-1-78 Missouri Telephone Exchange at St. Louis. 6-18-78 Illinois Telephone Exchange at Chicago. 7-78 The Bell Telephone Company was formed for Commerical development. 8-2-78 Oregon Telephone Exchange at Portland. 8-5-78 Michigan Telephone Exchange at Detroit. 9-1-78 New Hampshire Telephone Exchange at Manchester. Iowa Telephone Exchange at Keokuk. 9**-2-**78 Ohio Telephone Exchange at Cincinnati. 9-2-78 11-14-78 Pennsylvania Telephone Exchange at Fhiladelphia. 11-15-78 Wisconsin Telephone Exchange at Neenah. 12-1-78 District of Columbia Telephone Exchange at Washington. 1879: 1-2-79 First Universal Switchboard is introduced. 1-2-79 Maryland Telephone Exchange at Baltimore. Candlestick with Wooden Box on top with transmitter Desk-type introduced. 1-3-79 1-79 Boy Operators are used. 1-79 First Multiple Switchboard was installed in Chicago, Illinois.

2-15-79 Minnesota Telephone Exchange at Minneapolis. 2-24-79 Colorado Telephone Exchange at Denver. 2-25-79 Kentucky Telephone Exchange at Louisville. The Bell Telephone Company and New England Telephone Company merged into 3-79 the National Bell Telephone Company. 3-79 Indiana Telephone Exchange at Indianapolis. 3-79 Hawaii Telephone Exchange at Kahului, Maui. 3-15-79 Louisiana Telephone Exchange at New Orleans. 4-1-79 Virginia Telephone Exchange at Richmond. Rhode Island Telephone Exchange at Providence. 4-2-79 6-1-79 Vermont Telephone Exchange at Burlington. 6-1-79 Nebraska Telephone Exchange at Omaha. Georgia Telephone Exchange at Macon. 6-1-79 8-15-79 New Jersey Telephone Exchange at Camden. 8-21-79 Texas Telephone Exchange at Galveston.

South Carolina Telephone Exchange at Charleston. 9-1-79 Maine Telephone Exchange at Portland. 9-20-79 North Carolina Telephone Exchange at Raleigh. Arkansas Telephone Exchange at Little Rock. 11-1-79 11-15-79 Alabama Telephone Exchange at Mobile. 12-79 Tennessee Telephone Exchange at Nashville. 12-79 Kansas Telephone Exchange at Topeka.

> The Law and Gilliland Boards are introduced, Operators headsets weight is 6 pounds, the transmitter wooden box same as small wall phone. 47,900 telephones now in use, all Bell owned,

National Bell Telephone Company needed further capital, therefore was reorganized by the management of Theodore N. Vail and William H. Forbes and formation of the American Bell Telephone Company was born.

First Conversation by long distance underground cable-New York to Newarke

1902:

5-26-02

Almon Brown Strowger Died.

	Ine HC	ORN SPEAKER 9820 Silver Meadow Drive, Dallas, Texas 75217
970 G		
	1906:	au = 1
	1-1-06	Conversation by underground cables 90 miles-New York to Philadelphia.
	1909:	
	3-1-09	After an early sleet storm that swept the Atlantic Seaboard, paralyzing
		communications and isolating the capital at the time of President Taft's
	•	inaugurationTheodore No Vail President of ATTC issued a note to all "Put those wires underground"
00	1910:	THE COMPONE WINCE DE COMM
	1910: 1-1-10 1911:	5,883,000 telephones owned by or connecting with the Bell System.
	1911:	
4	1913:	Conversation by overhead line, 2,100 miles-New York to Denver.
	1-1-13	Conversation by overhead line, 2,600 miles-New York to Salt Lake City Utah.
	1-1-13	Conversation by Underground Cable, 455 miles-Boston to Washington, D. C.
	1915:	
	1-1-15	Bell Engineer's develope tubes for long distance telephone amplifiers.
	1-1-15	First successful demonstration of RADIO TELEPHONY, Speech was transmitted from Montauk Point, Long Island to Wilmington, Delaware-250 Miles.
OFF OFF	1-10-15	First Conversation by transcontinental line, 3,650 miles-Boston to San Francisco
	1-15-15	First Conversations by transcontinental-telephone—the Panama Pacific Exposition
		at San Francisco. Line was opened between President Woodrow Wilson at
		Washington D. C., Alexander G. Bell at New York, Thomas A. Watson at San Francisco, Theodore N. Vail at Jekyl Island off Georgia.
	10-1-15	Fynerimental Transposante Pedio Telanham with Surel and Et al.
		from Arlington, Va., across the Atlantic to the Fiffel Tower, Paris, back to the American continent to Honolulu, Hawaiinearly 5000 miles.
		the American continent to Honolulu, Hawaiinearly 5000 miles.
	1920:	30 (00 000 m 3)
	1-1-20 2-1-20	12,602,000 Telephones now owned by or connecting with Bell System.
	2-1-20	First regular commerical Radio Telephone Service was established between Santa Catalina Island off California (L. A.) and the U. S. A.
(a	4-16-20	Theodore N. Vail Telephone Utilities Pioneer/Exective Died
	5-1-20	First ship-to-shore radio telephone communications between two ships
	3003.	from Deal Beach, N. J. was successful.
	1921: 1-1-21 1-1-21	Conversation by deep sea cable 115 miles-Key West, Fla., to Havana Cuba.
1 1 41	1-1-21	First conversation between Havana and Catalina Island by Submarine Cable
	*	Overhead and Underground lines and radio telephone-5.500 miles-
	2-1-21 1922:	Boston to Philadelphia extension cable to Pittsburgh-621 miles.
	8-2-22	Alexander Graham Bell Inventor of the Telephone Died.
	1923:	2020 2000
	I-I-23	Ship-to-Shore conversation by wire and wireless between Bell Telephones in
	2-1-23	homes and offices and the S. S. America 400 miles at sea in the Atlantic. A Southern route by way of El Paso Texas and Los Angeles, Ca. completed.
	2-10-23	Successful demonstration of transoceanic radio telephony from New York City
	70 (00	to a group of Scientists and journalists in New Southgate, England,
	12-6-23	The first events of national importance to the public was President Coolidge's
		first message to Congress which was simultaneously broadcast by six stations in New York, Washington, Providence, Kansas City, St. Louis, and Dallas.
	1924:	
	2-1-24	First Public Demonstration of Picture Transmission over Telephone Circuits
	1925:	New York to Cleveland, Ohio.
	2-1-25	New York to Chicago Storm-proof cable (861 miles) overhead-undergrounds
山八 月七	1926:	16,720,000 telephones interconnected in the United States.
	3-1-26	Graybar Electric Company Incorporateda
PRORRETO	5-1-26	Successful test of two-way transatlantic radio telephony.
	6-10-26	New York to Chicago, all-cable telephone line extended to St. Louis.
(Torrovoro accessor	1927: 1-27	
1 00 00	2-27	Transoceanic telephony service inaugurated between New York and London. Northern transcontinental telephone line formally opened.
0000	4-7-27	First Public demonstration of Televison by Radio and wires-at Washington D.C.
0000		and new lork all parties could see and hear conversations both ways, later
0.000		in the year using telephone circuits Bell labs demonstrated Television between New York and Whippany N. J.
0000	7-7-27	Telephone service between the United States and Mexico was established.
Color	1928:	
	2-1-28	Transoceanic Telephone Service extended to principal countries of Western Europe. Also Graybar Electric Company Employee' bought all shares from Western
	1929:	Electric manufacture Company.
	4-1-29	Ship (S. S. Leviathan) to Shore Telephone Service was established.
	5 -1- 29 1930:	Color Television was demonstrated by Bell Laboratories:
	7-1-30	Transoceanic telephone service opened to South America and Australia.
	7-30	20,098,000 telephones interconnected in the United States.

A telephonic system for high quality transmission and reproduction of

Transoceanic Service extended to the Philippines, Canal Zone, Central American Countries, Palestine and India. Ship-to-Shore Radio Telephone Service was initiated for small boats 2-33

operating in the vicinity of Boston. Now all major coastal cities utilize this system.

1-34 AT-Service extended to Japan, Transoceanic..... 1-35 First Telephone Conversation around the world.

Operator's Headset weight is reduced to 13 ozs.

First new development by Bell Engineer's of a coaxial Cable capable of transmitting more than 200 telephone conversations.

First Motion Pictures using this new coaxial cable system were transmitted proving its characteristics were suited for television purposes, now wider frequencies and bands will increase capacity to about 500 channels. 4-1-37 Transoceanic Service extended to China, Bulgaria, Alaska, Haiti, and Iraq, now 95% of the world's telephones are within reach of any Bell System Telephone.

> Direct radio telephone circuit established between San Francisco and Australia. Desk type Telephones-four types similar to the ones we use today (1976) introducted. A complete ship-to-shore network was established.

Network established for a message from the President using special wire hook-up (telephone circuits) to Broadcasting Stations in the U. S. A. A. One Program Originating Point-Washington D. C. B. 178 Radio Stations C. 117 Telephone offices feeding radio stations.

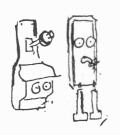
1941-1976: So many inventions and improvements to the telephone systems have advanced so fast they are too numerous to mention, we hoped you have enjoyed this Chrenolegy listing of the first 74 years without going through tons of books. Today we can see how the telephone industry has played a very important role is all phases of communications, Radio, Television, the Space Program etc., To fill in these 36 years and the past, we recommend the Book "Singing Wires"...it is 496 pages of Telephone History with 200 color and black and white pictures, illustrations.

ACKNOWLEDGEMENTS

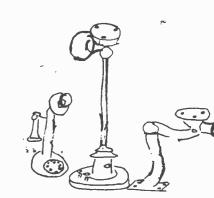
Companies: American Telephone and Telegraph Company, Bell System, General Telephone Company of California, General Telephone Electronics, Automatic Electric Co., Western Electric Company, Pacific Plantronics, Inc., Facific Telephone and Telegraph Company, Graybar Electric Co., RCA Communications, American Telecommunications Corporation, Billard's Old Telephones, Sears and Roebuck Co., and any other Companies Private-owned, Rural Telephone Association, that we may have over-looked.

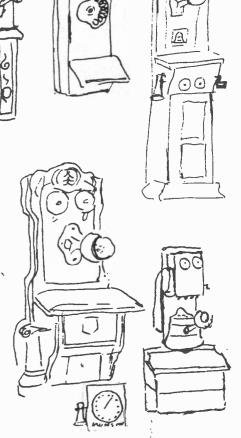
Literature: 1930 Telephone in America Book by AT &TC; 1924 Audel's Practical Electricity, 1929 Physical Apparatus and Instruments by Central Scientific Co., 1955 Mr. Bell Invents the Telephone by Kathern B. Shippen, 1920 Scientific American Reference Book, Dr. Alexander Graham Bell. Prehistoric Telephone Days. National Geographic Magazine, March 1922, Talking Round the Earth by F. E. Benz-Dodd, Mead Co., Beginnings of Telphony F. A. Rhodes, Harpers and Co., 1920, Saturday Evening Post July 29, 1961, 1908 Sears, Roebuck Catalogue No. 117, 1923 Radio News December Issue, American Science and Invention-1960, M. Wilson-Bonanza Books, 1941 Building America-Americana Corp.

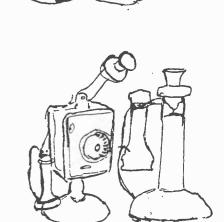












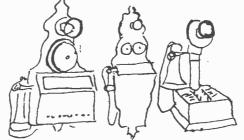


19361

1940:







The HORN SPEAKER.... 9820 Silver Meadow Drive, Dallas, Texas 75217

SCENES AT THE 1976 CONVENTION OF THE SOUTHWEST VINTAGE RADIO AND PHONOGRAPH SOCIETY

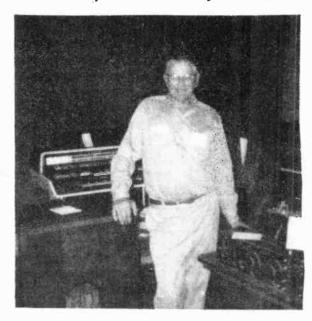
PHOTOGRAPHERS: 5 SMALL ONES, BRENT DINGMAN; 2 LARGE ONES, GLEN ZOOK.



TROPHY WINNER, JOHN ALFORD



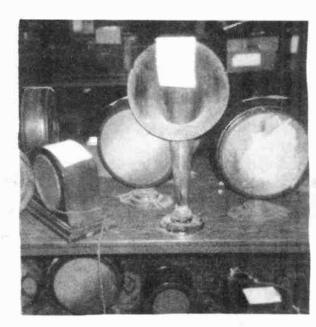
JOHN RAWLING AND JIM COLLINGS



BILL MILLER ALL SMILES

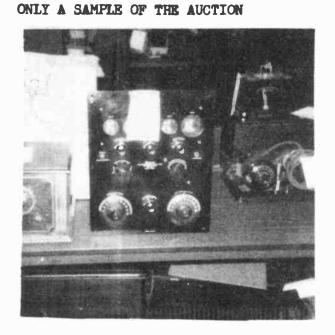


BILL BORUFF GIVING A PHONOGRAPH LECTURE



AGAIN, AT THE AUCTION







RAY POINDEXTER, GUEST SPEAKER

For some—a "radio" For others—Zenith!



Super-Zeniths priced from \$240 to \$355.

DeLuxe Art Model Cabinets from \$500 to \$2,000

Other Zenith Sets \$100 and \$175



New Zenith De Luxe Chinese Model

Equipped with two built-in loud speakers, Bates
Rotary Log, illuminated dial, single control
specially constructed Zenith Radio Circuit.

Some prefer the blare of a circus band—or the friendly jangle of a hurdy-gurdy. To them it is the only music.

Those who delight in blare and jangle do not need a Zenith—but they will find that even such music rings truer to their ears brought in by Zenith radio.

Others go breathless at the golden notes of a lyric soprano—or the rapturous harmonies of a great symphony.

Such people—born with a love for music—should *never* content themselves with any radio instrument less fine than Zenith.

Zenith's appeal to the eye is instant—and enduring. Its clear, sweet tone is a revelation.

To see and hear one of the new Super-Zeniths for the first time is a memorable experience. Yet that experience is yours for the asking—in your own home if you so desire.

Simply telephone your nearest Zenith dealer.

Again Commander Donald B. MacMillan chose Zenith for his Arctic Expedition. When human lives may depend upon the reliability of radio performance, only one reason can explain his choice: Zenith has proved to be the best obtainable at any price.

ZENITH RADIO CORPORATION Straus Building, Chicago



It Costs More
But It Does More!

NOTICE

PAPER PRICE INCREASE SUBSCRIPTION RATES FOR THE HORN SPEAKER, AFTER JANUARY 1, 1977:

Subscribe or renew now before rates increase.

New rates after January 1, 1977:
One year
Two years9.00
Special rates for one year (mailed in
envelope)
First class8.50
Air Mail12.00
Foreign Air Mail



A UNIQUE RADIO RECEIVER. The cone loud speaker in this set acts also as a dial for tuning as well as performing its usual duty. Of Fotograms.

taken directly from the house-lighting circuit. There were some three or four of this type of set in evidence and most of them seemed to work very well

Along the same line, as was to be expected, there were numerous straight "A" and "B" battery eliminators as individual units. Very little that was actually new was incorporated in the design, but undoubted improvement has been made during the past year in constructional and technical details.

One would have thought that these devices would be among the most popular exhibits in the show. They elicited very little more interest, however, than the remainder of the instruments.

Another disappointment was the fact that there were not so many new tubes as might have been expected, following the release of the original tube patent. The chief interest here seemed to be in new rectifiers, there being one or two very interesting new tubes for this purpose.

All of the shows this year found one striking difference to those which have been held in years past. This difference was in the absence of the educational displays. Almost everything this year seemed to be from the "selling" point, made directly to attract the potential buyer, to interest him in some particular type of set.



THE RADIO GIRL OF 19251926. This young lady is wearing a
real radio evening costume. A miniature loop adorns her coiffure,
while the familiar dials, coils and
condensers are the principal decorations of the "short-wave" dress.

© Kadel & Herbert.

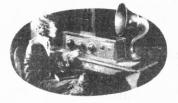
in years, fishing and getting acquainted with Baby Barbara. He expects to start work in more pictures soon.

"GRAND CENTRAL STATION" ends its run on the NBC-Blue Network over which this series of dramatic sketches has been heard on Friday nights. Starting on April 24, it moves over to the CBS studios and will be heard Sunday nights at 10 o'clock EDT.

In case you didn't know, Teddy
Bergman also plays the role of
"Asa Griffin" in BIG SISTER. For
seven months he played the part of
"Boss Vanessi" in the MYRT AND MARGE
scripts and he was bemoaning the
fact that he was bumped off that
afternoon, so now he is off the program. He's going to be back on the
show soon as "Mr. Binstein.

Old Radio Treasures

There's a rare old radio waiting for you somewhere. Here's how to have year-round fun discovering valuable old sets in your attic, local swap meet or antique barn. You'll enjoy McMahon's fascinating books, truly fine collector's references.



VINTAGE RADIO, 1887-1929: Pictorial story of pioneer days, 1,000 photos, 263 pages. \$10.95 hard-cover, \$8.95 soft.

A FLICK OF THE SWITCH, 1930-50: Fun picture reference of home, military, Ham, professional radio-TV-electronics, 312 pages. \$10.95 hard-cover, \$8.95 soft. RADIO ENCYCLOPEDIA, Gernsback's 1927 classic beautifully recreated, 175 pages. \$14.95 hard-cover, \$10.95 soft.

RADIO COLLECTOR'S GUIDE, 1921-32: Data book with 50,000 facts on 9,000 models by 1,100 makers, 264 pages, \$6.95. 1926-38 RADIO DIAGRAMS: Beitman's classic of 600 models, 240 pages, \$7.00.



Here are the ideal holiday gifts.
ORDER NOW
FOR IMMEDIATE DELIVERY!

CIRCUIT DIAGRAM for any pre-1951 radio: \$3.50. Send model number.

SEND TODAY to Vintage Radio, Dep't D, Box 2045, Palos Verdes, Ca. 90274. We pay postage. Calif. residents add 6%.

	\$
	\$
	.\$
	\$
TOTAL	\$
	TOTAL

Street _

City.

FREE! Age Guide with each order. FREE!
Year-round Fun!

___St.___Zip_

on the Air

WOOD VENEER

Just a hint from your friendly editor that if you are having trouble locating wood veneer, try for sources: architects, furniture and door manufacturers, Weldwood Corporation, etc. It seems futile to try a lumber company.

MR. ORR'S COLLECTION Celebrated to be the world's largest privately owned collection of battery operated radios and accessories and phonographs is the one located in Opelika, Alabama. The collection is owned by J. Herbert Orr, a pioneer in magnetic recording tape and the allied arts. Mr. Orr has been written up in Time, Billboard, and Christian Science Monitor for his feats in magnetics. His major development now is a magnetically tape played piano which plays and records. It actually operates the piano, no audio involved. Mr. Orr's collecttion includes both cylinder and platter type phonographs and they all work. He has so many they are housed in several buildings. The radios are exemplifications of the past's craftmanship, the beautiful wood work on the cabinets are simply not to be found today. The entire collection consists of many thousand pieces and is said to be the world's largest private collection of this type.

DISPLAY ADS CAN BE CHEAPER THAN MAILING LISTS

YOU ARE THE ONE WHOM WE WANT TO HELP

LET US DO THE MAILING

DID YOU KNOW THAT FOR ONLY \$50.00
YOU CAN BUY ONE FULL PAGE AD 10-1/8"
X 13-3/8" THE EQUIVALENT OF SENDING
IN POSTAGE ONLY 385 PIECES @ 13¢
EACH (NOT EVEN COUNTING THE COST OF
PRINTING, ETC.)

1/2 PAGE IS \$25.00 6-5/8" X 10-1/8" or 5" X 13-3/8" THE EQUIVALENT OF SENDING ONLY 192 PIECES @ 13¢

1/4 PAGE IS \$12.50 THE EQUIVALENT OF OF SENDING 96 ENVELOPES

ADS MUST BE GOOD ENOUGH FOR OFFSET REPRODUCTION
EXTRA CHARGES IF AD DOES NOT FIT PURCHASED SPACE.

THE HORN SPEAKER 9820 Silver Meadow Dr. Dallas TX 75217 (214) 286 1673

MART

Classified ad rate: 6¢ per word.
Photo ads: \$2.00 extra.

Deadline: 15th of the preceding month.

MISC.

PROFESSIONAL CW operators, retired or active, commercial, military, Gov't, police, etc., invited to join Society of Wireless Pioneers, W7GAQ/6, Box 530, Santa Rosa CA 95402.

FOR SALE OR TRADE

FOR SALE: Philco Model 90 p. 263 in V.R., beautiful condition \$95.; Radiola 20 floor model (factory model in Radiola 28 type case, rare) very good condition, \$120.; Atwater Kent 37 very good condition \$40.; all with tubes, all in working order. Atwater Kent 40 good condition, untested, no tubes \$30. Dick & Ann Schamberger, 1975 Hertel Ave., Buffalo N.Y. 14214. Phone: 716 836-4028.



ANTIQUE TELEVISION collection: 38 different models from 1930s, 1940s one or all \$75.00 up each. List & picture \$1.00. Seidel, 925 Starlite Pl., Grants Pass, Oregon 97526. Phone: 503 476-1585. Want horn phonographs any quanity, CASH.



IMPORTANT! PLEASE CUT THIS OUT AND SAVE IT!
FOR SALE AND WANTED: EARLY PHONOGRAPHS, MUSICAL BOXES, CRYSTAL RADIOS, GRIND ORGANS, MECHANICAL TOYS, OPTICAL TOYS, ANIMATED CLOCKS AND WATCHES, SINGING BIRD BOXES, AND ITEMS RELATED TO THE ABOVE. I pay top cash as well as sell and trade. SPECIAL TO "THE HORN SPEAKER" READERS...LARGE ILLUSTRATED LIST OF ITEMS AS ABOVE FOR SALE FOR ONLY ONE DOLLAR AND A SELF ADDRESSED STAMPED ENVELOPE WITH 24¢ POSTAGE.
Leonard, P.O. Box 127, Albertson N.Y. 11507. Tel: 516 621-2581.

FOR SALE OR TRADE

I have 106 issues of WIRELESS WORLD 1922-1924; 28 issues of WIRELESS AGE 1915-1918, (Oct. 1917 to Sept. 1918 bound); QST 1922, 1929 bound, set of RIDERS MANUALS, Riders Vol. 1-5 abridged, Radiola 60 cabinet, RADIO REVIEW early issues, bound. Sell or trade any or all for clean radios I don't have. Want Crosley VI, VII, RCA 1925 or earlier, Tuska etc. Merrill W. Bancroft, 169 South Row Road, Townsend, Mass. Oll69.

FROM TIN FOIL TO STEREO, great classic of phonograph history now available at \$9.95 softbound, \$19.95 hardbound. Sams! TUBE SUBSTITUTION HANDBOOK, a must for restorers only \$2.25. Also see our display ad. Vintage Radio, Palos Verdes CA 90274.

FOR SALE: Philco Cathedral Model 89 \$65.00; RCA Cathedral Model Th-8 \$55.00; Philco radio/phonograph model h6-1201 \$40.00; Freed Eisemann model h0 \$70.00; Arborphone model h5 \$60.00. Above radios very clean and in good operating condition. Howard Granoff, 2445 Lyttonsville Rd., Silver Spring MD 20910.

ATWATER KENT instruction book
Vol. 2, for models 9 through 24,
and models 20-21 compact. (1925)
Reprint comparable to original. If
you haven't seen the original you
wouldn't know the difference, offset
print, 48 pages \$6.00 postpaid.
William Huntley, R'#2, Box 155,
Costesville, Ind. 46121.

FOR SALE: Solid-State power supply provides most needed "A", "B", and "C" voltages. Send SASE for special sheet. G. B. Schneider, 6848 Commonwealth, Parma Hgts, Ohio 44130.

FOR SAIE: Miscellaneous books, headphones, tubes, parts, Radio Boy books. SASE to G. Schneider 6848 Commonwealth Blvd., Parma Hgts., Ohio 44130.

FOR SALE/TRADE: Radiola III (no case), \$28.; AK 40 \$45.; 100A Speaker, Magnavox Beverly dynamic, old chargers, meters, keys, etc. SASE for list. R. Kramer, 134 Coolidge St., Ashland OR 97520.

WDll Adaptors, use UX199, 120, VT24. No wiring changes, Radiola III's battery hook-up included \$5.25 pp., 2 for \$9.25. Keith Parry, 17557. Horace St., Granada Hills CA 91344.

FOR SALE: Large collection early Radio and Wireless material, radios, tubes, catalogues, literature, parts and miscellaneous. Large SASE for list. Willis Otto, 2009 West 10th Street, Davenport, Iowa 52804.

FOR SALE: WD & 99 TUBES X99/20-\$5. V99/20-\$7. WD11-R-\$10. Send SASE for details. Hanson, 3403 E. Broadway, Long Beach CA 90803.

SEND \$1.00 for the newly published booklet "A Pocket Guide to Antique Radio Collecting." Antique Radio Press, Box 42, Rossville IN 46065.

FOR SALE OR TRADE

HAVE AVAILABLE following books:
"TV Picture Projection and Enlargement, by Lytell for Rider 1949;
"Principles of Radar"by MIT Radar
School staff 1946; "Radio Physics
Course, Ghiradi 1942; "Modern
Radio Servicing" Ghiradi 1935;
"Servicing Superhetrodynes" Rider
1942; "Aviation Radio," Roberts
1945; "Aeroplane Radio Equipment,"
Molloy 1941; "Automatic Record
Changers and Recorders," Rider 1941;
Rider Perpetual Troubleshooter's
Manuals 7, 9, 10, 15 and 18.
H. Moncure, 47-734-2 Hui Kelu,
Kaneohe HI 96744.

Six RADIO NEWS magazines containing the complete series "Evolution of the Phonograph" \$18. postpaid. Same series but missing part six \$15.00 postpaid. Excellent information and illustrations. Bob Lessard, 4807 Northeast Fifth St., Minneapolis, Minn. 55421.

FOR SALE: We have many hours of quality old time radio programs from late '20s to mid'30s. Fun to play the actual old programs thru the horn speaker -- just like back when. Custom made tapes any method. Blalock's Sound Library, 609 Blue St, Richland, Wash. 99352.

Three radio lists of items for sale. #1 Radios; #2 Radio publications and #3 Misc. speakers, tubes, etc. \$1.00 each plus a 26¢ SASE. Radio Americana, Box 128, Woodstock, New York 12498.

BLANK BAKELITE STOCK cut to size, 1/8" to 1/2" thick. Fabricating and engraving services available. SASE for pricing sheet.
Norman A. Parsons, 22 Forest St., Branford CT 06405, Phone: 203 488-4267.

FOR SALE: AK Breadboard 10 \$300.00; AK Breadboard var-couple-condenser two tube \$200.00; 5-201 brass base \$10.00 each. Crosley 51-52 \$75.00 and \$100.00 with tubes or working. E. A. Smith, 2706 Cubhill Rd., Baltimore MD 21234.

FOR SAIE OR TRADE: Freed Eisemann NR-5, Stewart Warner Model 300, Colby, AK 35, AK Model 40 w/F2 Speaker, and others send SASE for list. B. Mager, P.O. X Box 172, Whitestone N.Y. 11357.

\$30. Crosley model 48 in Repwood carved cabinet, works \$75. Crosley Gembox cabinet and chassis \$15.

1924 Day Fan \$60. Charles Green, 2123 Adams, Great Bend KS 67530.

FOR SAIE: Radios, speakers, tubes, parts, books and magazines. List #R1-77 SASE and 50¢ for list. Krantz, 100 Osage Ave., Somerdale N.J. 08083.

FOR SALE: Send a SASE for list of battery and A.C. radios plus early magazines for sale and trade. Rich Wolven, 2614 Reno Rd., Castleton N.Y. 12033.

WANTED: Any radio fan magazines. Also, any radio magazine with commercial broadcast or star information. Examples-Radio Guide, Radio Stars, Radio-TV Mirror, etc. Also Photoplay magazines. 1 or a 100. Fred L. Davis, 5106 Skippy Street, Memphis, Tennessee 38116.

WANTED: RADIO MAGAZINE - All 1920-1921, RADIO BROADCAST - Nov. 1926, Dec. 1928, many WIRELESS AGE 1921 to 1925. Buy or trade. Thompson, 2930 Delavina, Santa Barbara CA 93105.

WANTED: Power supply and speaker cabinet for McMurdo Silver Masterpiece, quack medical devices and parts, electrodes and leads for disthermy machines, good brass base WD-11, information on old disthermy machines. Cecil Bounds, Pine Springs Rte., Carlsbad N.M. 88220.

Seeking RADIO NEWS: August, 1943. POPULAR RADIO, December 1926. All Crosley model 59AC. Greg Dockter, 2519 Ave. C, Bismarck, N. D. 58501.

WANTED: Base & drivers for Music Master, Thorola, Atwater Kent and other horns. Schematic for RCA 18T Radio. Sell, bound "Wireless Age," Oct. 1917 to Sept. 1918. Offer. M. W. Vancroft, 169 S. Row Road, Townsend, Mass. Oll69.

WANTED: "Radio Craft" March 1938 and "Radio News," March 1925.
FOR SALE: I have QST and CQ in binders also 73 and "Ham Radio" mag. McKenzie, 1200 West Euclid, Indianola, Iowa 50125.

WANTED: Scott, McMurdo Silver, Lincoln, and other classic receivers. Also pre-1930 battery sets, speakers, mikes, etc. J. E. Cunningham, 23W 675 Ardmore, Roselle IL 60172.

WANTED: Radio chassis RC-427 (panel has ten bushbuttons), power supply RS-83, 12" speaker RL-70F-5, as used in RCA TRK-120, TRK-12, etc. C. Sarver, 256 West 88th St., New York NY 10024.

WANTED: Front door latch for Radiola II.

Bakelite front for AK Variometer;
Lid Plate for AK 30;
3 chrome tube covers for "Neutrowound";
Tunning bands for AK 25;
Tube socket assembly for AK 21;
Cabinet for Gilfilian Model 10;
Tube adapters UV199 to UX;
DeForest DV5 tubes-trade for DV2.
Bill Pugh, 2126 E. Myrtle, Phoenix AZ 85020.

WANTED: Two audios type 376 for Freed Eisemann; two audios and schematic for Erla Monodic S-Sl; two variable capacitors for Bremer-Tully "6". Dave Brodie, 315 Cotton St., Menlo Park CA 94025.

WANT--2 Audio Frequency Transformers for Crosley-Trirdyn and Power Transformer or complete Power Supply for a Radiola-17. Lane M. Poulter, 6344 Garwood Ave., Las Vegas, Neveda 89107.

. . . .

PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS HOW TO ORDER

(1) Make checks and n
(2) WE SHIP PARCEL
HANDLING, PO
FIFTY DOLLARS,
SCHEMATIC DIAC

POLICY

BOOKS
(1) THE RADI
(2) THE BATT

o O_F

THE CLASSIC RADIO NEWSLETTER

(send 13¢ stamp for newsletter sample)

LIST NO. 16A

PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT

RADIO TUBES ANTIQUE

6R7

\$4

PUETT ELECTRONICS HAS HUNDREDS OF OTHER TUBE TYPES NOT LISTED HEREIN. FOR OTHER TUBE TYPES, SEND $65 \dot{c}$ FOR CATALO

(7)

(5) (4) (3)

(6)

PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS PUETT ELECTRONICS **IITUO TSUL** MEW PUETT ELECTRONICS TUBES - SCHEMATIC DIAGRAMS - RADIO BOOKLETS PUETT ELECTRONICS PUETT ELECTRONICS 650 or five 130 STAMPS OG - 8 PAGES PUETT ELECTRONICS

OR DEAD TUBES

ops in Performance