

THE NEWSPAPER FOR
THE HOBBYIST OF VINTAGE
ELECTRONICS AND SOUND

THE HORN SPEAKER



WCSC HAS IT'S OWN BROADCAST MUSEUM

By Patsy M. Hicken
P.O. Box 186
Charleston, S.C. 29402

Technology makes antiques every decade!

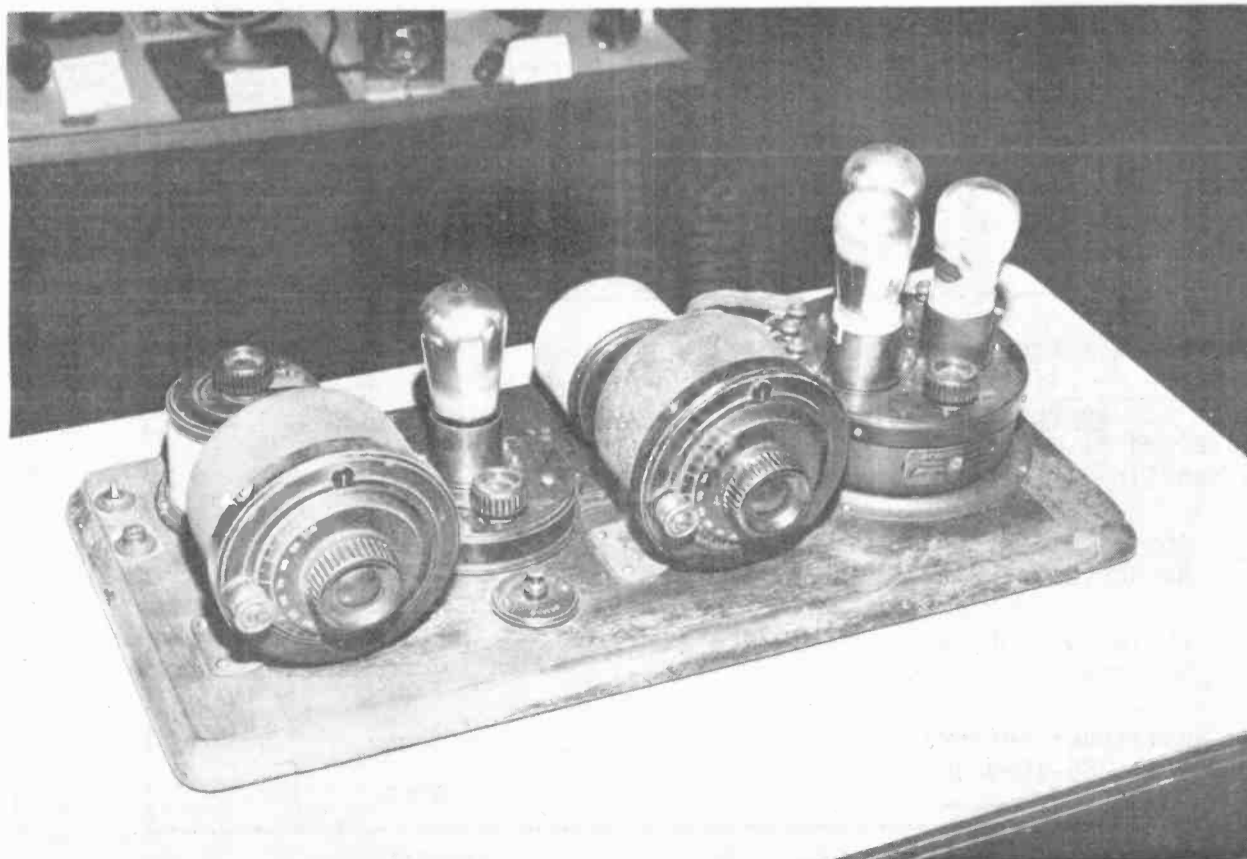
Because knowledge in all fields is doubling every 10 years, electronic equipment usually becomes outdated every decade. This is difficult for the average person to realize; but when one considers that the electromagnetic theory was a formula in 1864; and a hundred years later, man was broadcasting pictures from space, the magnitude of progress becomes clear.

In Charleston, S.C., the WCSC Broadcast Museum shows the stages of development of radio and television. There are experiments, demonstrations, displays, exhibits, and memorabilia to tell the past, the present, and the future of broadcasting.

The Museum is housed in an historic residence (c1795) which lost its third floor in the earthquake of 1886. Beside the house is the "South Carolina



This familiar logo is Berliner's first disc record player.



The Atwater Kent Model 9 breadboard, a jewel in the collector's treasures.

Liberty Tree" -- the reminder of a former oak where colonists gathered to protest harsh demands of the British prior to the Revolution. The Declaration of Independence was read under that tree for the first time in the state. During the occupation of the city by English troops, the general ordered the tree cut down and the roots burned to destroy the symbolism. The new Liberty Tree was dedicated during Charleston's Tricentennial in 1970.

Inside the Museum, the rooms are designated as different periods of developmental history. There are separate rooms for battery radio and for electric radio. There are also a pre-broadcast room and a TV room. On display is a remarkable collection of sets from a spark gap transmitter to an integrated circuit design; from the first disc model gramophone to multiplex holography.

The WCSC Broadcast Museum is more than a repository of old sets. Frank Blair, who had his first job at WCSC Radio, has narrated the tour tape

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Everyone who even knows what THE CAT'S WHISKER means will find Hill's book a treasure house of information and delight. Order it today!

Hardcover . \$15.95

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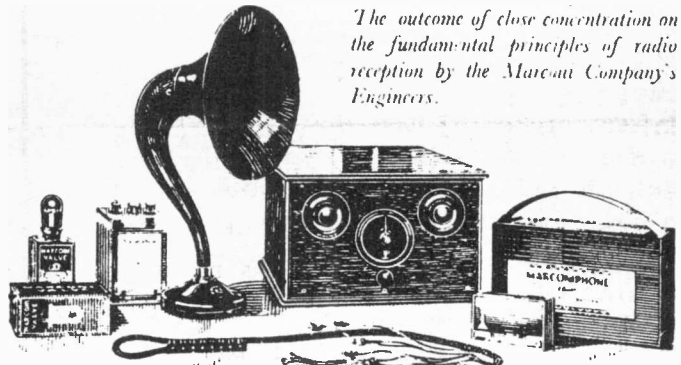
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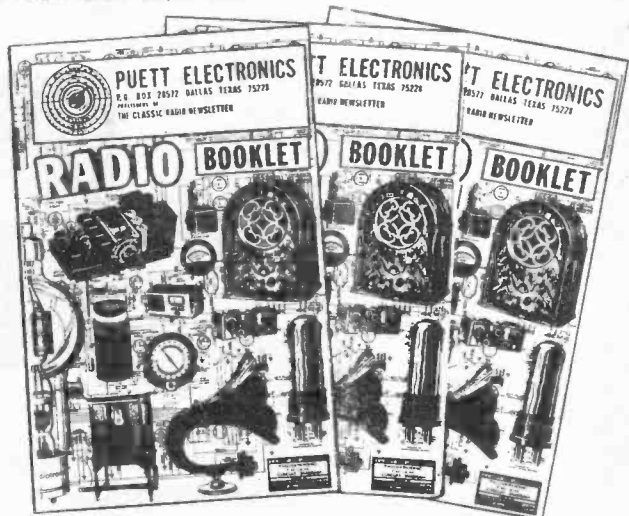
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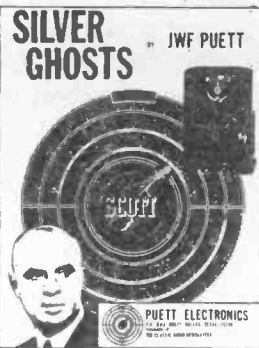


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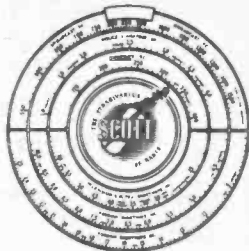
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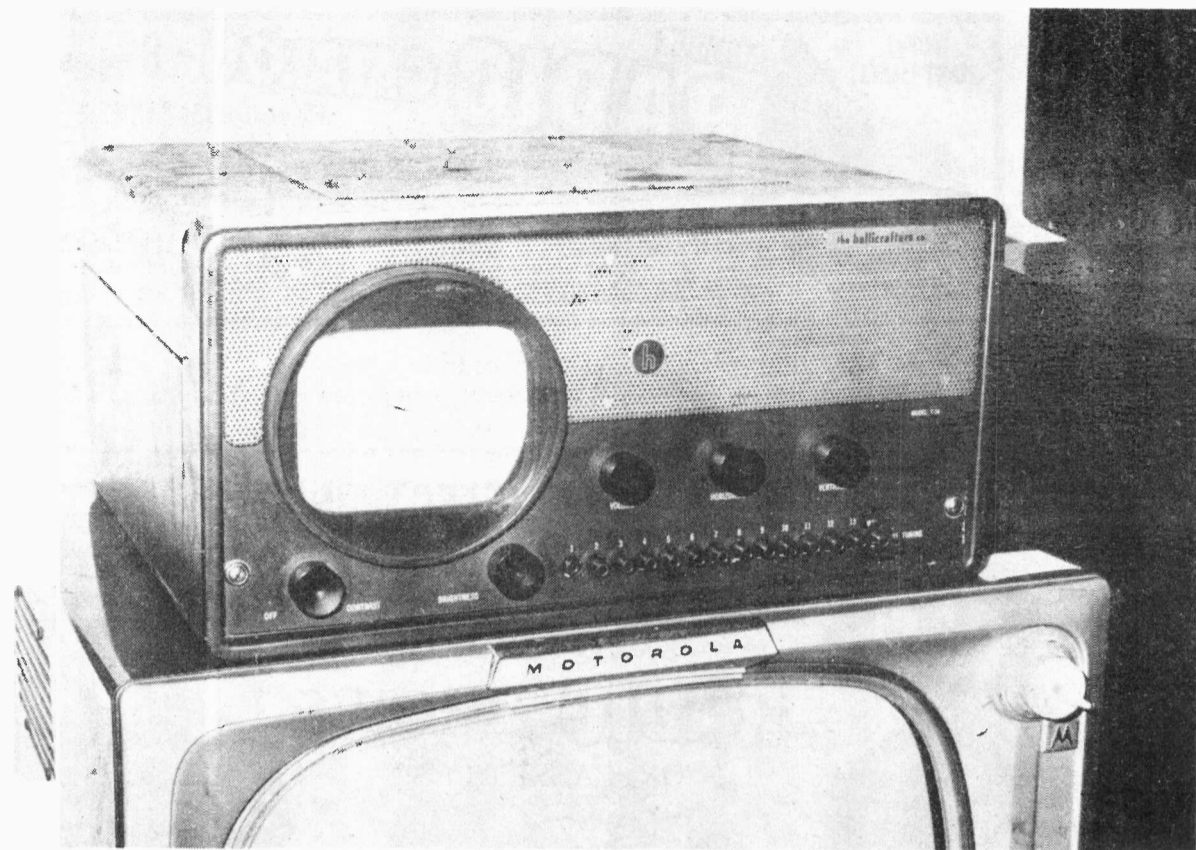
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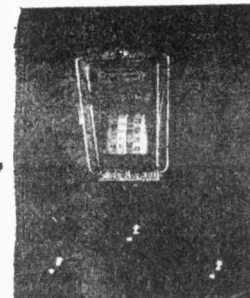
PUETT ELECTRONICS

P.O. BOX 28572 DALLAS TEXAS 75228
PUBLISHERS OF THE CLASSIC RADIO NEWSLETTER



A post-war TV receiver with Channel 1, which is no longer used by Television.

TURN BACK THE DIAL



TURN BACK THE DIAL

Book review.....TUNE IN YESTERDAY. The ultimate Encyclopedia of OLD-TIME RADIO 1925-76. By John Dunning. Prentice-Hall. 1976. \$17.95.....

While, this review will be brief, this has nothing to do with what I think of the book. This 703 page book is an alphabetical listing of drama, comedy, and variety shows on network radio programs. The author gives a brief description of the show with a list of major players in the show, typical plot lines, development of the characters, plus comments on the way that the program first came on the air, switches of sponsors, cast, or changes in the network. In the foreword, the author mentions a number of authors/books to which he owes a debt of gratitude for providing information, including Buxton & Owen's THE BIG BROADCAST. I feel that TUNE IN YESTERDAY is the best volume on the programs of old-time radio on the market today. It provides more information on each program than THE BIG BROADCAST, which was the best volume up until John Dunning wrote this book. The information on each show ranges from a brief paragraph on an obscure show, such as ABBOTT MYSTERIES, to 6 pages for MERCURY THEATRE OF THE AIR. But even in a brief paragraph, Dunning tells you that ABBOTT MYSTERIES was a spin-off of MR. AND MRS. NORTH, gives cast, tells you a little about the brief life of the show, etc. Again, this book is worth every penny of its price. Any fan of radio would enjoy reading about the different programs.

- Suggested reading list of books:
1. TUNE IN YESTERDAY, The Ultimate Encyclopedia of Old-Time Radio. 1925-1976. by John Dunning. Prentice-Hall, 1976. \$17.95.
 2. THE BIG BROADCAST. Frank Buxton & Bill Owen. Viking Press. \$12.95.
 3. TUNE IN TOMORROW. Mary Jane Higby. Cowles Publ. Co.
 4. A PICTORIAL HISTORY OF RADIO. by Irving Settel. Castle Books.
 5. THE GREAT RADIO HEROES. by Jim Harmon. Doubleday.
 6. THE GREAT RADIO COMEDIANS. by Jim Harmon. Doubleday.

Thanks again,
Fred L. Davis
5106 Skippy Street
Memphis, Tenn. 38116

"From Tomfom to Telstar" which tells the story of man's desire to communicate over long distance. Early equipment plus explanatory demonstrations have been built by engineers, schools, and colleges to illustrate the processes of sight and sound.

There is the simple rope motion experiment to show AM waves and a slinky to illustrate FM waves...all the way to laser beam transmission of closed circuit TV. The development of the audion tube is illustrated in model and drawings; and an enlarged mockup of a transistor explains its function.

There are also stereo and VSC

(Variable Speech Control) tapes to present audio developments.

If folks have thrilled to sound that "flies through the air" since Marconi's transAtlantic demonstration in 1901, television pictures have mesmerized an entire population. The WCSC Broadcast Museum explains the transmission and reception process in simple basic terms. A mock camera with photoelectric cells activates light emitting diodes in the mock receiver made from a real picture tube sliced in half. A Crookes tube illustrates the cathode ray and

(Continued on page 7)



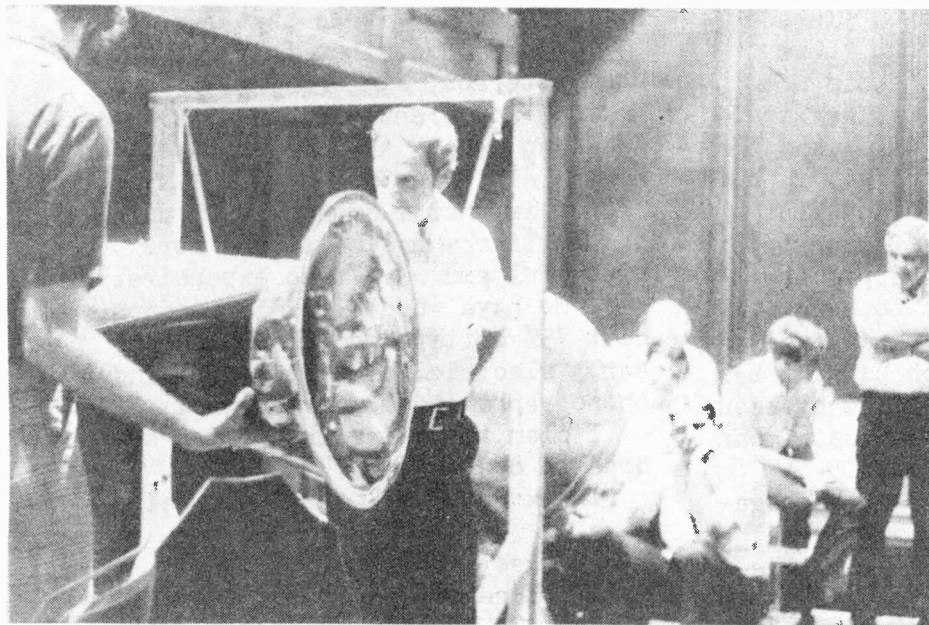
Three decorative speakers. The cathedral speaker (center) was model for the familiar cathedral radios of the thirties.

Club News

We would appreciate very much your placing the Indiana Historical Radio Society fall meet announcement in THE HORN SPEAKER.

We will meet at Valparaiso Technical Institute (the old Dodge Institute), at Valparaiso, Indiana, visitors are welcome, on Saturday, October 14, 1978. There will be a swap-meet starting at 10 AM, a complementary lunch at noon, and a business meeting in the afternoon. The Wireless & Electronics Museum on the Campus will be open all day.

Ross Smith
1133 Strong Ave.
Elkhart IN 46514



Singers take a break during recording sessions.

Jim Collings in dark coat wins the big one.

THOMAS EDISON ATTENDS DALLAS CONVENTION

On July 28th, 29th, and 30th, THE VINTAGE RADIO AND PHONOGRAPH SOCIETY held it's third annual Convention. With attendance at nearly 400, according to Billy Bragg, it was a roaring success. The 3 day event was filled with auctions, a swapfest, and just plain fun. Three programs were presented, and as a grand finale, Thomas A. Edison walked on stage... as big as life. Of course Mr. Edison's appearance was via film and video tape, but many people, for the first time, saw Edison walk and talk. For the autograph seekers, there was Ermine Calloway, a 1929 Edison recording star. Mrs. Swanson (her married name) recorded 14 songs for Edison. Better known as "THE TEXAS TOMBOY" by her many fans, Mrs. Swanson also appeared for a time on NBC radio. At the convention, Mrs. Swanson shook hands, told stories, and hummed along with her rare Edison records. She was a delight and joy to everyone.

Two hundred radios and phonographs, in 16 different categories, were on display. The "Best of Show" trophy went to Jim Collings of Abilene, for his beautiful ECHOPHONE radio. At the auction, 485 items changed hands. The event was capped off with an evening banquet in the Grand Ballroom of the Royal Coach Inn. After the presentation of awards, entertainment was presented by Mr. Robert Arch Green. For many years, Mr. Green wrote radio scripts for The Lone Ranger program. There was fun and excitement for everyone, and plans are already underway for CONVENTION '79.



FINDS OF THE MONTH

FIND OF THE MONTH

Dear Mr. Cranshaw,

I think that I may have a find of the month.

On Monday June 12 (my birthday) in the morning I got a call from a thrift shop. One of the ladies that works there was at a yard sale on Saturday. She said that she saw an "old Atwater Kent Speaker," then she gave me the address. I found it on the map, it was six miles from my house, so I decided to go for a ride. When I got there he said that he still had it. I asked if he had anything else from the twenties. He went to the attic and came out with 25 tubes. He said that he wanted to keep some and took four tubes, (22, 01A, 199, and a

much later tube). I got 1 Morehead VT, 5 VTL's, 5 brass base 1A's, 4 Deforest DV2's, 4 OLA's, one 199, and a German tube. That is some birthday gift.

Sincerely,
Jordon Kitt Lindauer
3 Beacon Hill Rd.
Port Washington NY
11050

FIND OF THE MONTH

Hi Jim,

Check is enclosed for another year. Keep 'um comin'. Think I rate a "find of the month" or even year. Complete set (23 volumes) of Riders plus all indexes and a VTVM for \$10.00. Not too shabby, huh?

73's
Jim Sargent
229 Harrold St.
Jacksonville AR 72076

LETTERS

Dear Jim:

Thank you for the timely reminder that my subscription as expired. Unlike last year when I was confined to my bed, I have been able to obtain the necessary U. S. funds from my bank immediately, and so have pleasure in enclosing a cheque for the coming years subscription.

The move of our residence from Avondale to Point Chevalier has still left me with a lot of work to do in the matter of gardens etc., and I still have a lot of tidying to do in workshops and study. Browsing through some of the boxes of "junk" I brought here has been lots of fun, and I have found lots of old tuning condensers, neutrodyne coils, vernier dials and even some old galena and zircon crystals. I made one of the neutrodyne coils into a crystal set and found that it goes very well. I have restored a 1931 Gulbransen, series 50, 7 tube screen grid super heterodyne with avc, and its performance has startled more than a few people. In the process of restoration is a Wells-Gardner (Gulbransen) model 7L, a Stewart Warner 5 tube, a 13 valve (sorry tube) Wells Gardner (Gulbransen) and a Philco 5 valve, all prior to 1936. As well, I have restored some earlier New Zealand made receivers such as Philips, Willard and Pacemaker. Just after the war I designed some receivers for a local radio store. One of these was a 2 tube with rectifier, very small and I have restored one of these too. I have also completely rebuilt my 3" oscilloscope and have to do the same to the 1" and 5" scopes I also own.

And just to make sure that I am not idle, I have also got my amateur transmitter back on the air, and if any "Horn Speaker" subscribers also have their ham license it is possible that they may hear my call ZLLJQ, all

bands, and could give me a shout sometime.

Your little postscript on the card has been noted - "We need news and ads." Sorry I cannot give you an "ad" at this stage, but maybe you might be interested in an article about the early days of broadcasting in New Zealand. I would be pleased to send you something about those times in which New Zealand did not lag too far behind your pioneer station KDKA. Just say the word, and the article is yours.

To conclude, just a note, about the weather. We are just going into our winter - it is to be hoped that the summer you are about to have will be as glorious as the one we have just had. For a country which usually has abundant rain, nearly 90 days of beautiful weather without rain was almost too much!

Still very much enjoying the magazine, and eagerly await each issue. Long may you be able to keep up the good work.

As mentioned a cheque is enclosed. will be pleased to hear from you in due course. Thanks.

With kind regards,
Arthur E. Allen
452 Point Chevalier Rd.
Point Chevalier,
Auckland 2
New Zealand

EDITOR...The letter dated May 19, 1978 was late getting printed.

Dear Mr. Cranshaw,

Many thanks for sending sample copy of "Horn Speaker", dated Dec. '77, which arrived here last month.

There was apparently some delay due to the original despatch having insufficient postage.

However I was very pleased to receive it when it did arrive.

I am not sure about Air rates from USA to here, but assuming around the same rate as from here to USA. I enclose Money Order to value of around US \$27., which I figure would be sufficient to pay for Air Mailing of all issues for 1975, 76 & 77 except Dec. 77 which I already have.

When the Money Order is cleared and if the amount is OK, I would appreciate you sending them.

I am told that early Battery Radios of the 1920's of the 3 dial type (usually 5 tube), without tubes, are reasonably cheap in the States. If so I would be keen to import a few if freight is not too expensive. Also Cone Speakers like RCA 100 etc. Do you have any contacts on this? Thank you for your service to date & kind regards.

Morris J. O'Brien
5 Edgar Road
San Remo. 3925
Victoria, Australia

EDITOR...Thank you, perhaps your letter will bring contacts.

Dear Jim:

Enclosed you will find another year's subscription for THE HORN SPEAKER, which I must admit I enjoy a great deal. Your paper has been a great source of not only interesting information but also through the classified section I have found many items that I needed.

I often wonder how folks like you, Don Patterson, Jim Cranshaw, Morgan McMahon and Brent Dingham find time to do so much. All of you have been a big help to us collectors. My only regret is that I didn't start collecting earlier when items were more plentiful and weren't so expensive.

I do have about 100 nice radios about 75% battery and the balance early electric. Over 40 side winder phonographs and some real small TV's.

I plan to retire in two years and hope to open a small Museum.

Thank you again for a job well done.

Best regards,
Eugene D. Bordeaux
273 West Prospect Ave.
Keyport, New Jersey 07735

Hello Jim:

I always enjoy THE HORN SPEAKER.

I repaired radios in the early 20s, 30s and 40s.

I have a 1 tube Crosley Pup that still works - 1923.

Enclosed is check.

Birthday today, 5-14-78, 74 years old.

Herbert Shriner
Route 1, Box 171
Ravenswood WV 26164

Please send me information on THE HORN SPEAKER.

I have a one tube KODEL radio and wish to know more about it. (year of mfg., schematic, value, etc.).

I also have a model 20 Atwater-kent and need a horn for it.

Any help?

Thanks,
Roland Romito
292 Grand Park Cr.
Bedford, Ohio 44116

EDITOR...I'd like to know more about the Kodel.

Dear Sir:

The address for the Re-Prints on Riders index Volumes 1-23 is: Antique Radio Shop, 3403 E. Broadway, Long Beach CA 90803. The cost runs from \$10 to \$15 each. Not sure of the exact price.

I work with a person who owns a shop that repairs old sets. We usually repair radios of the 20's, 30's, and 40's.

Any details on what you have to offer or trade would be helpful.

Thanks.

Very truly yours,
Robert Astaff
244 Fowler Ave.

San Francisco CA 94127
EDITOR...Write to us, anytime.

its reaction to magnetism.

There are dozens of old receivers and tubes on display as well as the camera tubes: iconoscope, image orthicon, videcons, and plumbicons. There is also a CCD chip as preview of things to come; but the real pazzaz of tomorrow's television is the holography demonstration. There are slides to show the three dimensional picture image and a multiplex holograph of a lady blowing a kiss in eerie three dimensional realism.

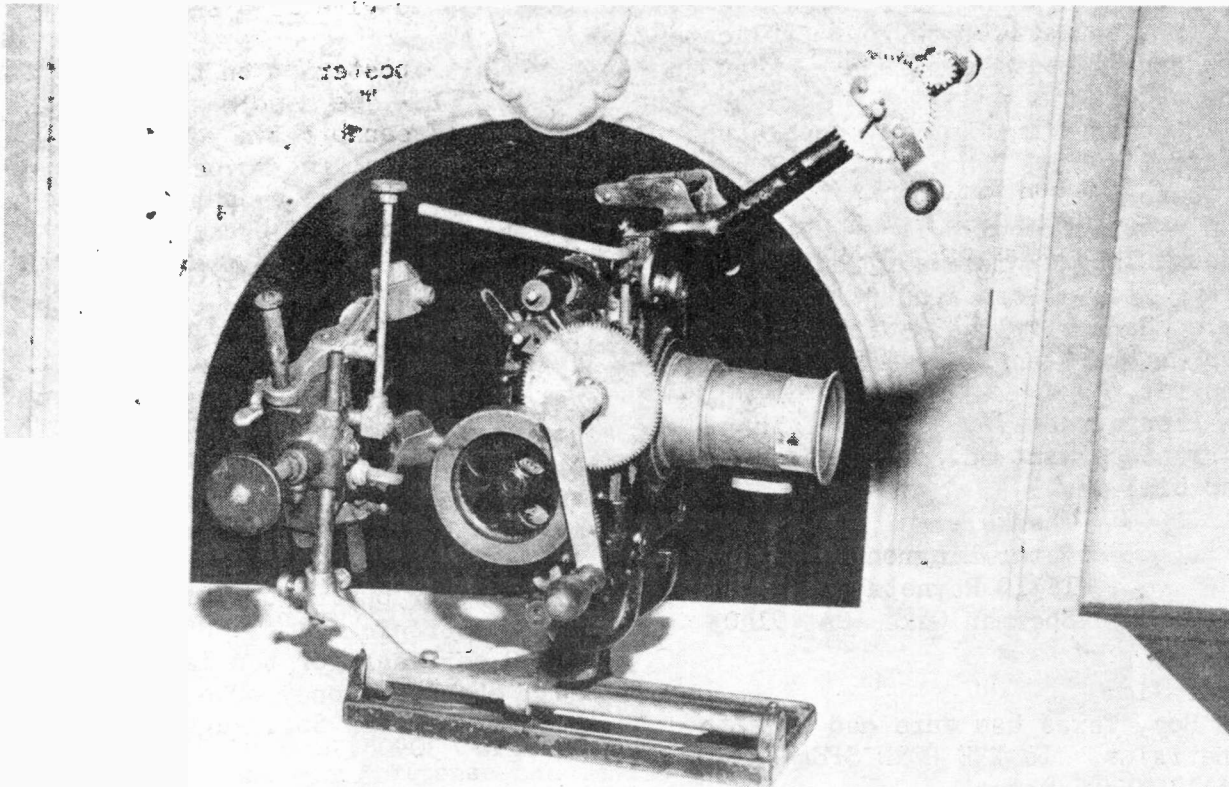
The Museum is financed by WCSC, Inc. which includes AM, FM, and TV; but it would not be possible without the generosity and enthusiasm of the collectors and individuals who have contributed time, ideas, and materials for the exhibits. In addition to many who loaned one or two items, three collectors participated from the beginning and have offered advice and guidance on setting up the arrangements. They are: Wells Burton (KLQF), Kenneth Feinberg, and Dallas Swindal. Neilson's Electronics School donated time and talent, as have Trident Tech and the College of Charleston. Of course, the WCSC Radio and TV engineers participate regularly with Joe Sarco as chief model-maker and technical advisor.

A brand new room has just been added to show the first home entertainment machines. The collection of Mr. Kenneth Hanson of Clearwater, Fla., includes gramophones, phonographs, and Magic Lanterns. (He has also supplemented the radio and TV collections.) Mr. Hanson has been a serious collector since the twenties and has traveled all over the world to gather his models. In addition to the more familiar machines, there are many unusual record players like the klingsor, a German machine with piano strings in front of the horn that vibrate tones as the record plays below. The Guinephone has a cardboard horn that folds flat in the top to make a compact set to take on an African safari.

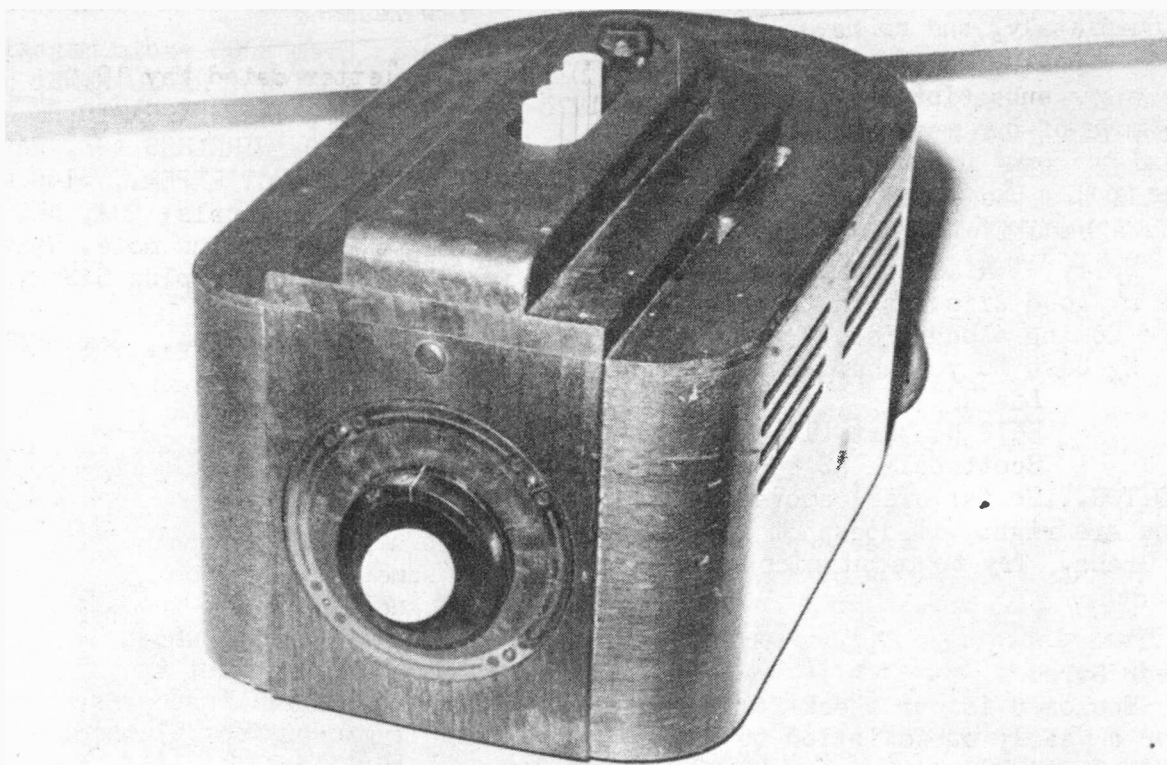
Just as today's milady chooses colors and designs for her living room accessories, Victorian homemakers selected horn speakers in their favorite decor. Mr. Hanson's horns show the familiar brass design, as well as unusual colors and shapes - the morning glory, hand-painted flower embossed models, and a solid mahogany design (the latter on loan from his grandson, Eric Everts).

In the Hanson collection are Magic Lanterns that projected handpainted images long before the invention of cameras and films. The Kinetoscope, Edison's first motion picture projector, is on display as well as opaque and post card projectors -- all of which use flame for light source: candle, kerosene, gas, carbide and arc.

The WCSC Broadcast Museum is an ongoing project adding new displays and



Edison's first motion picture machine - the Kinetoscope, powered by arc light. Notice the hand crank.



A remote control for RADIO: the Kadet for chairside comfort in the Golden Age of Radio.

exhibits regularly to tell the continuing story of home entertainment and long distance communication. Thousands of school children have come through since its opening to the public in March, 1977.

The Museum is located at 80 Alexander Street just behind the studios of WCSC Radio and TV. It is open Monday through Friday, 9:30 to 1:30 p.m.

Yawl come!

Rates for THE HORN SPEAKER
 One year.....\$5.50
 Two years.....\$11.00
 Special rates for one year
 (mailed in envelope)
 First class.....\$10.00
 (effective July 1, 1978)
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 Mail address: THE HORN SPEAKER
 Box 12
 Kleberg TX 75145

Sirs:

Am a subscriber to your publication and like it very much -- keep up the good work.

I guess I'm like many people who contact you -- I need help! I have a Grebe Synchrophase AC-6 (2 chassis) and want to rebuild it -- but although I have Rider's circuit diagrams etc.--I can find no resistor or condenser values -- in any data, nor is there any identification in the set.

Please, can you help. If this warrants a want ad, please do so and bill me.

Thanks,
Peter Mingrone
15310 Rayneta Dr.
Sherman Oaks CA 91403

Dear Jim:

Boy, Texas has sure had it with the rains. Is THE HORN SPEAKER still above water?

To identify myself you will remember I bought a W. E. microphone and a set of 3 tubes about two years ago.

Now to my question. I wrote to Dick Ransley of AWA to identify a table model Grebe model 63A (picture inclosed) and he tried but without success, that is to tell me the approximate year of manufacture. He thought you might out through THE HORN SPEAKER. It intrigues me because Grebe's workmanship was so good along with quality, but this set is badly put together, but it still has the Grebe trademark and has a beautiful enclosure.

Sorry, I missed your Conference, as my good wife was in the hospital and coming along fine.

My best to you and the Dallas gang.

Les Rayner
5512 N. 71st Place
Scottsdale AZ 85251

EDITOR...So far, well above water. You are right, it does not look like a Grebe. Try to print picture next month.

Dear Sirs:

Enclosed is our check for \$5.50 for a yearly subscription to THE HORN SPEAKER.

We used to take this some time ago. Always did enjoy it very much.

We are just now getting into the mfd. of ole time crystal sets.

Thank you,
The Wireless Shop
John C. Chenoweth
9130 Yankee St.
Miamisburg, Ohio 45342

Jim,

Why not run a piece in THE HORN SPEAKER asking anyone who knows anything about Norden Hauck to write me.

If you wish I will pay for it.

John Caperton
3114 Boxhill Ct.
Louisville KY 40222

MART

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

Deadline: 20th of the preceding month.

MISC.

"RADIO AGE," a radio magazine devoted to wireless and early broadcast eras. Contains interesting articles written by collectors, articles published in early radio magazines, lots of reprints of famous radio ads, and a classified section for buying or selling radio and electronic items. Subscribe at \$7.50 per year for ten issues. Mail check or money order to Radio Age, 1220 Meigs St., Augusta, Georgia 30904.

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.

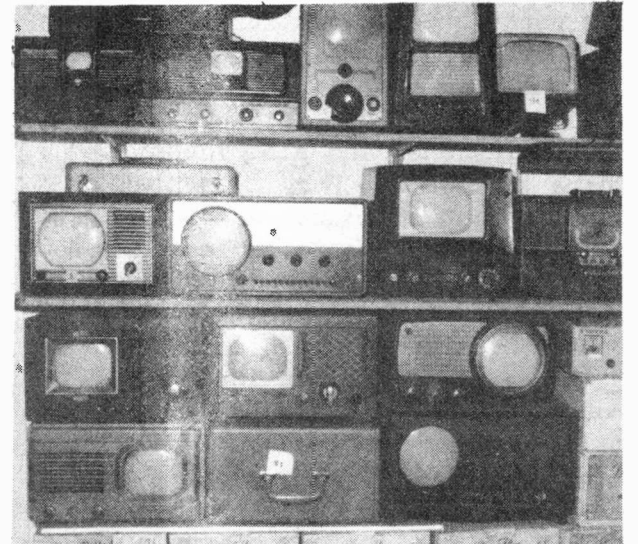
FOR SALE OR TRADE

FOR SALE: Over 3000 radio magazines from 1913 to 1945, RADIO NEWS, RADIO, RADIO TOPICS, PACIFIC RADIO NEWS, POPULAR RADIO, WIRELESS AGE, RADIO WORLD, QST, ELECT EXPER., plus more. Radio service manuals: RCA, AK, RIDERS, SUPREME, plus more. Write for list R-4-78 75¢ plus SASE w/2 13¢ stamps. Krantz, 100 Osage Ave., Somerdale N.J. 08083.



FOR SALE OLD RADIOS: Just some in picture. Have more battery sets 1920's. A.K. horns, 1930 AC sets, Federal, Zeniths, RCAs and more. Send \$1.00 for list. Chuck, 925 Starlite, Grants Pass, Oregon 97526. Call 503 476-1078.

FOR SALE OR TRADE



OLD TELEVISIONS: Three inch Pilots, 7" Teletone, 7" Sentinel, 8" RCA, 7" Emerson, 7" Hallicraftors, 7" Philco, 7" Raytheon/Belmont, 7" Admiral, also 7" Motorola and others. Have Zenith Transoceanic radio. Send \$1.00 for list. Charles, 925 Starlite, Grants Pass, Oregon 97526. Call Charles 503 476-1078.

FOR SALE: Please take note if: You are restoring a prized antique battery radio. We can supply ten conductor cable housed in an original type brown cloth knitted sheath to replace your torn and tattered battery cable. Use as many conductors as required and then discard the rest. The price is 75¢/foot plus shipping. Write: Olde Tyme Radio Co., 2445 Lyttonville Rd., Silver Spring MD 20910.

FOR TRADE: Have Atwater Kent 10B. Works, in excellent condition. For trade in equal value. What have you? Will not sell. Rev. Thomson, 11031 S. Ridgeland, Chicago Ridge IL 60415.

FOR SALE: Tubes for radios of the thirties and forties, brand new in original factory boxes. Very reasonable, send us your list of requirements for a quotation. Daniel Gaidosz, 342 West River Road, Orange Conn. 06477.

FOR SALE: Have Riders Audio Cyclopedic (5 1/2" thick) Mint condition with 200 page application manual & index. Price \$20.00 plus shipping. Schematic, etc., and all old sound equipment. George A. Masden, 717 Lincoln St., Mt. Pleasant, Iowa 52641.

FOR SALE: Rider's radio manuals, 1-5 and 6 through 16, only \$179. Rider's television manuals, volumes 2 through 27, giant books, only \$125. Postage extra. Lawrence Beitman, Box 46, Highland Park. IL 60035.

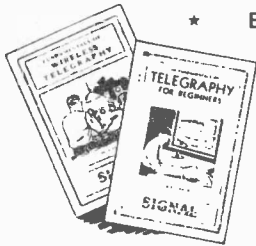
FOR SALE: Tubes for older radios, brand new in original factory boxes. Very reasonable. Send us your list of requirements for a quotation. Daniel Gaidosz, 342 West River Rd., Orange CT 06477.

WALTS EMPORIUM

P. O. BOX 19406

DALLAS, TEXAS 75219

* EVENINGS - 214-262-7855

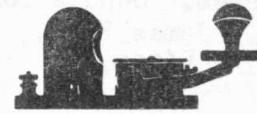


THE HORN SPEAKER. SEPTEMBER 1978....All books, magazines, and other material SOLD WITH A MONEY BACK GUARANTEE. All shipments sent PREPAID, 4th class book rate. Please send sufficient money if 1st class, insured is desired. All material is sold on the value of the contents. Please allow two weeks for shipment. Most everything is "one of a kind", so call or write early to assure shipment....first order, first sold. Thanks for your business in the past, and I will look forward to hearing from you in the future....Walt

- 701 RCA Receiving tube manual, 1947, \$5.00
- 702 RCA Victor Service Notes for 1933, hard back, 8½ x 11", excellent condition, \$25.00
- 704 General Electric Automobile Radio model B-40, Superhetero=dine instructions, C41, B52, \$5.00
- 705 GE Advanced course in TV repair, '51, lesson 1, 24 pages, lesson 2, 53p., and lesson 3, 31 pages, \$7.00
- 706 General Electric Television principles and practice, 8 lessons including test questions, 236 pages, 1949, 8½ x 11", \$10.00
- 709 Dial cord stringing guide, 'SAMS', \$5.00
- 710 AUTO RADIO SERVICE DATA MANUAL, vol 1, 'Sams', 1949, large, thick book, \$8.00
- 711 RADIO INDUSTRY RED BOOK REPLACEMENT PARTS, buyers guide, 'Sams' 1st. edition, 1948, 446 pages, book in excellent condition, \$10.00
- 712 PHOTOFACIT TELEVISION COURSE, 'Sams', 1949, 215p., \$8.00
- 714 ALIGNING PHILCO RECEIVERS, John Rider, '37, \$8.00
- 715 D-C Voltage Distribution in Radio Receivers, Rider, '36,\$6
- 716 SERVICING BY SIGNAL TRACING, Rider, 1939, \$10.00
- 717 VACUUM-TUBE VOLTMETERS, Rider, 1951, 5.00
- 718 AUTOMATIC VOLUME CONTROL, Rider, 1936, \$7.00
- 719 PRACTICAL TESTING SYSTEMS, Rider, 1930, \$8.00
- 720 Resonance and Alignment, Rider, 1936, \$7.00
- 722 HOW TO USE METERS, Rider, 1954, \$5.00
- 723 AUDIO REPRODUCTION, Rider, by David Fidelman, 1953, \$4.00
- 724 ALIGNING PHILCO RECEIVERS, Vol 2, Rider, 1941, \$ 7.00
- 725 TV MANUFACTURERS RECEIVER TROUBLE CURVES, Rider, 1953, \$4.00 Vol 2, 4, 7, \$4.00 each
- 726 SERVICING TV Vertical & Horizontal output systems, Thomas, Rider, 1954, \$4.00
- 727 Handbook of 630 type TV Receivers, Rider, 1955, \$4.00
- 728 Complete Index for Perpetual Trouble Shooter's Manual, Vol XI and "How it Works", Special section of Vol XI, Rider, excellent, \$12.00
- 729 Complete Index for Perpetual Trouble Shooter's Manuals vol XI and XII, Rider, Excellent, \$14.00
- 730 Complete Index for Perpetual Trouble Shooter's Vol I, II, & III, excellent, printed in 1933, \$15.00
- 731 Complete index, Volumes I, II, III and IV, like new, \$16.00
- 732 HOW IT WORKS, special section of Vol IX, Rider's Manual, \$12
- 733 COMPLETE INDEX of Volumes I, II, III, IV, V, and VI, 1935 excellent, \$17.00
- 734 Same as above, but including Vol VII, \$18.00
- 735 Same as above, but includes VIII &IX, \$18.00

50 YEAR OLD FLAME PROOF KEY TYPE J-7-A

Gov't. Order No. 141082 Dated: 1921



Beautiful heavy duty construction, in new working condition. For the collector, antique buff and antique gear museums. An unusual conversation piece, curio, desk weight and gift.

In 1966 the U.S. Navy closed the hugh Brooklyn Navy Yard and the City of New York purchased the property. The J7A Keys were discovered in a warehouse where they had been stored for the past 50 years.

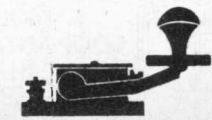
New boxes have been provided.

Both keys are of heavy duty construction with a large Navy type knob. The keying arm and dome are brass . . . the contacts are ¼ inch coin silver. The J7A is 2½ x 5½ inches and the J5A is 2½ x 3¼ inches in size. The BULB, or Lamp is NOT supplied with the J7A.

A RARE FIND!
ORDER TODAY!

19⁹⁵
ppd

The J5A was made for the Signal Corps in 1941, and is the same type of Key except for the Dome housing the neon bulb. A real memento of WWII. Supply is somewhat limited . . . buy today!



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- 736 RIDER RECEIVING TUBE SUBSTITUTION GUIDE BOOK, LARGE, 1st edition, excellent, with a lot of added info, 1950, \$20
- 737 RIDER PUBLICATION....TV TROUBLESHOOTING AND REPAIR GUIDE BOOK, large size, Vol 1, 1952, \$12.00
- 738 ADVANCED TELEVISION SERVICING TECHNIQUES, RIDER, Pilot training course, large book, 1954, \$12.00
- 739 Laboratory workbook, for above, \$5.00
- 741 SYLVANIA characteristics of receiving tubes, 1954, 34;, \$4.00
- 742 SYLVANIA TV Picture tube comparison chart, \$2.00
- 743 SYLVANIA characteristics for TV picture tubes, 33 pages, \$3
- 744 SYLVANIA News, these are in a loose leaf notebook, and start with January, 1946 and go to 1957, I have not checked if all issues are there, but there are a lot of them \$8.00
- 745 SYLVANIA technical Manual, st-tested radio tubes, 1936 182 pages, \$4.00
- 746 Servicing TV receivers, Sylvania, 1950, \$4.00
- 749 40 uses for Germanium Diodes, \$2.00
- 750 Vol II, Servicing TV Receivers, Sylvania, 1951, \$4.00
- 751 Technical Manual, Receiving tubes, picture tubes, ECG Semiconductors, 1970, \$3.00

FOR SALE OR TRADE

FOR SALE: Rare original old radio programs 1928 - 1936 on cassettes. Five hours \$25.00. Includes wide variety: Comedy - news - music. Fine sound quality. Guaranteed. Blalock's Sound Library, 1614 Davison, Richland WA 99352.

NOW AVAILABLE: New exact replacement tube bases to use 864, 30, 1LE3 or 1H5GT in WD-11 socket. Send a long SASE for brochure. James Fred, Route 1, Cutler IN 46920.

FOR SALE OR TRADE

FOR SALE: Radios, speakers, tubes, meters, test equipment, magazines, books, parts. Eight page list 75¢ plus SASE W/2-15¢ stamps, List 10M-78. Krantz, 100 Osage Ave., Somerdale N.J. 08083.

SURPLUS ANTIQUE RADIO GEAR: TV Riders sale/trade. Send SASE. I collect unusual pre-1928 AC sets and suitcase portables. Rosenthal, 507 S. Maryland Ave., Wilmington, Delaware 19804.

FOR SALE OR TRADE

ATWATER KENT REPLICAS Bread Board switches - \$10.00, front plates for variometer, variocoupler, and Tll tuners - \$8.50. AK thumb nuts, SASE for sample. Replicas of any dial or knob. WD11 or UV99 adaptor - \$5.50, 2 for \$10.00pp. K. Parry, 17557 Horace, Granada Hills, CA 91344.

FOR SALE: KNIGHT KG-220, 30-50 MHz F. M. \$35.00. Fenton, 3122 Ann Arbor, Sugar Land, Texas 77478.

HAVE ANTIQUE RADIO & TV TUBES. Also some antique & old radios. Send 30¢ stamps for list w/prices. Harold's Radio, 3106 N. 3rd St., Harrisburg PA 17110.

S.A.S.E. for list, Marconi, DeForest, Mignon Etc. Glenn S. Streeter, 4133 Via Nivel, Palos Verdes Estates CA 90274.

FOR SALE: Antique receivers and horns. Send SASE to Arthur Harrison, 1021 Falcon Dr., Columbia MO 65201.

WANTED

WANTED: Large Zenith table sets with big black dial (farm sets O.K.). Cathedral radios, small AC-DC radios, Grandfather clock radios, any radio clocks, Mirror Glass radios, 8-inch and 5-inch electrodynamic speakers, output transformers, AC set knobs, dial eschutions, Zenith and Cathedral chassis. Also Radio Retailing, Radio Today, sales literature any dealer in-fo from 1930's.

P.S. I will be at Canandigua AWA Meet and I will travel for large lots of A-C sets or parts. Nate Alexander, P.O. Box 866, Milw., WI 53201.

WANTED: To correspond with anyone owning Victor Orthophonic Phonograph model VE8-60E. Mechanical and electrical information needed for restoration. Also need left door of Victor Credenza X phonograph. Size is 14 1/2 inches wide by 33-3/4 inches high. Any condition. Bob Scott, Box 1694 Wayne, New Jersey 07470. Phone 201 696-1278.

WANTED: Columbia Vivatonal Phonograph. Left door of Victor two door "Credenza" Phonograph. Mechanical information needed for Orthophonic Victrola-Electrola model VE60E. Have Edison floor model Amberola Cylinder Phonograph, type SM, model A to trade for Edison Opera. Bob Scott, Box 1694, Wayne, New Jersey 07470. Tel: 201 696-1278.

WANTED: CATHEDRALS restorable AC sets. Also Edison Radio/Phono., Radiola 24 and 26, DeForrest D-10, Chassis/Speaker Philco 26/48 floor model working or restorable. Pat O'Hern, P.O. Box 55456, Houston TX 77055.



For Sale

PROFESSIONAL REPRODUCTIONS

DeForest LOOP ANTENNA
Beautifully prefinished and assembled with over 100 machined brass fittings and Bakelite parts, with a DeForest decal. Fits all D-7, 7A, 10, 12, and 17 sets. "DeForest wire included."
\$67.50 postpaid



RADIOLA LOOP ANTENNA AG-814
Precut Mahogany frame with an etched brass name plate and 1924 instruction card. This loop is a great addition to any collection and fun to assemble. Includes radiola type wire.
\$43.50 postpaid



Radiola Grand Speaker Grills
Unfinished Mahogany is precision cut to the 1922 pattern. Needs only staining to complete your rare and unusual radio.
PRICE \$15.50 postpaid

Radiola Antenna Wire
Multi strand copper wire with a brown braided Celcon cover just like the original 500' roll —
PRICE \$35.00 postpaid
Smaller Lengths — 9c ft.

Radiola V & VI Wooden Tops
Always missing, this solid Maple reproduction is the crowning compliment to another uncommon set. Unfinished.
PRICE \$19.50 postpaid

DeForest Type Green Wrapped Litz Wire Avail.
100 Roll
PRICE \$10.00 postpaid

H-10 POWER SUPPLY



Now! For the first time a premium quality power supply. The H-10 power supply is made of specially designed and the highest quality components (not surplus or used parts).

And it's not being assembled in someone's garage. The H-10 has been contracted by a top-rate manufacturer who builds power supplies primarily for the laser industry. Thus it is fully warranted for a full year.

And no other power supply offers as many regulated outputs.

The Model H-10 is a premium quality regulated power supply designed to power over 99% of all battery radios. The Model H-10 was developed primarily for the radio collector but is capable of operating virtually all battery sets manufactured between 1920 and the end of the vacuum tube era around 1960.

The Model H-10 contains three independent, electrically isolated, regulated power supplies. The "A" supply provides 12 switched outputs between 1.1 and 9V. The "B" supply can deliver up to 6 simultaneous regulated outputs. The "C" supply can deliver up to 8 simultaneous outputs. All outputs feature electronic short circuit protection.


TYPICAL SPECIFICATIONS	
Input	117V AC, 50-60Hz, 80W maximum.
Volts	1.1, 1.5, 2.0, 2.5, 3.0, 3.3, 4.5, 5.0, 6.0, 7.5, 8.0, 9
"A" Output	Single output switch selected, short circuit protected, ripple less than five millivolts RMS @ 5V and 5A, regulation 0 to full load. 0.2% @ 5V, voltage tolerance 5%, overload protection. Using the 1.1V, 3.3V and 5.0V output, allow operation of appropriate tubes with no danger of burn-out from improper filament rheostat adjustment.
"B" Output	22.5V, 45V, 67.5V, 90V, 135V and 180V may be used in any combination with a maximum total output of 50mA. Ripple is less than five millivolts RMS @ 22.5V and 50mA to less than 25mV RMS @ 180V and 50mA, voltage tolerance 5%, voltage regulation 0-50mA 2.5%, fold-back current limiting.
"C" Output	1.5, 3.0, 4.5, 9, 10.5, 13.5, 16.5 and 22.5V; 50mA @ 22.5V, ripple less than five millivolts, voltage tolerance 5% regulation 0.1% at 22.5V All other voltage obtained by a 25mA resistive voltage divider. Overload protected.
Controls	Power switch, "A" voltage selector switch, LED pilot light.
Line Cord	Three-wire, 6ft., heavy duty.
Size	3 1/2" H. x 5 1/4" W. x 9 1/2" L. (Includes controls).
Weight	5 lbs., 14 oz.
Limited Warranty	Warranty is limited to repair or replace, at our option, of any defect in materials or workmanship for a period of one year. Warranty does not cover shipping costs.
Ordering Information	Include check or money order for \$149.95 to Glenn S. Streeter, 4133 Via Nivel, Palos Verdes Estates, CA 90274. We will pay shipping by UPS.

SATISFACTION GUARANTEED ON ALL ITEMS OR RETURNED FOR FULL REFUND.

GLENN S. STREETER
4133 VIA NIVEL, PALOS VERDES ESTATES, CA 90274 - (213) 375-5522

RADIO ADVENTURE!

FOLLOW THE ROAD TO OLD-TIME RADIO DAYS. ENJOY YESTERYEAR, AND DISCOVER THE NEW HOBBY OF RADIO COLLECTING.



A FLICK OF THE SWITCH, 1930-50: Fun picture reference of home, military, Ham, professional radio-TV, 312 pages. \$10.95 hard-cover, \$8.95 soft.

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

RADIO ENCYCLOPEDIA: Gernsback's 1927 classic beautifully re-created, 175 pages. \$14.95 hard-cover, \$10.95 soft.

FROM SEMAPHORE TO SATELLITE: A beautiful show-piece covering communications history. Printed in Europe. 343 pages, \$19.75.

CIRCUIT DIAGRAMS for any pre-1951 radio, just \$3.50. Send model number.

WE PAY POSTAGE

IDEAL GIFTS

SEND TODAY to Vintage Radio, Dept. D Box 2045, Palos Verdes, Ca. 90274. We pay postage. Calif. residents add 6%.

_____ \$
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TOTAL \$ _____

Name _____
 Street _____
 City _____ St. _____ Zip _____

\$62.55 5-BOOK SET - ONLY \$54.55

Special-Save \$ 8!

WANTED

WANTED: Any information and diagrams concerning the Phansteihl Overtone Mobil 10. Also need six good 201A tubes. Need detector amplifier cloister for AK Model 10B. This unit need not work, will purchase in any condition. Also need old time Supreme Tube Tester circa 1930. Rev. Thomson, 11031 S. Ridgeland, Chicago Ridge IL 60415.

WANTED: Ad for Auto Brunswick Panatropes.

RECORDS: Vouge picture type - Victor 33-1/3 (Circa 1931) - Russ, Columbo and Brunswick electric. Please state title and number of record with price. Also need Radio Phono combination 1920's to 1933. Tony Provenzano, 144 W. Prospect St., Waldwick N.J. 07463.

WANTED: Information and transformer for ERLA model S-11, Grebe MU-1, UZ1320 or UZ1325 reproducer, RIDER'S Vol. 1 & 2, Philco Baby Grand, 20B, 70B and 90B.

James Stephens, 2275 Gray Hwy. L-1, Macon GA 31211.

WANTED: Scott Philharmonic, complete front panel for Scott Laureate & large Midwest radio. Robert Teska, 334 Willard, Toledo, Ohio 43605.

WANTED: RCA Service Notes Volumes 1923-1928, 1929-1930. LEFAX handbook 1923. A-K Cathedral or Break-board radio. J. A. Call, 1876 E. 2990 So., Salt Lake City, Utah 84106.

WANTED: "Radio News" for March 1925, also "RadioNews" for all months of 1922 - all with covers. Albert Warren, Box 279, Church St., Waverly PA 18471.

WANTED: Speaker only for Scott AM Philharmonic. John L. Glisson, 1303 Pump Road, Richmond VA 23233.

WOOD HORNS WANTED: Large Bell ONLY (any condition). Phonograph Items Wanted: All parts, advertising items (needle boxes, signs, brochures, counter displays, etc.). Thank you, Jerry Madsen, 4624 W. Woodland Rd., Edina MN 55424.

WANTED - 1933 Emerson Mickey Mouse radio. Write or call collect: Les Sims, 5551 W. Lover's Lane, Dallas TX 75209. Phone: 214 352-9757.

WANTED: Vol. 3 Riders Radio Manual. Detector tube socket for King Quality 25 Radio. Oscar E. Hager, P.O. Box 141, Goodman MO 64843.

WANTED: Escutcheon plate for a 1932 Philco 90 (Cathedral Style). John C. Redmond, 456 N. Edgemont Cir., Huntsville AL 35811. Phone: 205 881-7281.

WILL BUY 1928 - 1938 A.C. radios, send price and discription. Radio Enterprises, Box 12100, Santa Ana CA 92712.

WANTED

WANTED: Echophone S-5, A small 8 tube mantel set any condition for parts. Need RF/Oscillator coil, Antenna coil, dial and speaker.

Also dial plate for G-M "Little General" model 110. Buy or trade for, have good brass based OIA's for the above items.

Frank Heathcote, 1235 N. 3rd. Logansport IN 46947. Phone: 219 722-3612, 7am-10:30pm.

WANTED COMPANY history and product information for Norden-Hauck, Norden radio, A.H. Ross, E. M. Sargent and Sargent-Rayment Companies.

H. L. Chadbourne, 530 Midway St., LaJolla CA 92037.

WANTED-RADIOCRAFT March 1938 and RADIO NEWS March 1925.

McKenzie, 1200 West Euclid, Indianola, Iowa 50125.

WILL PAY \$100 plus postage for factory wired Atwater Kent "Bread-board" in restorable condition. Parsons, 22 Forest, Branford CT 06405.

WANTED: Always buying old car radios, literature and parts, please price and describe. Marv Roth, 14500 LaBelle, Oak Park MI 48237.

WANTED: Kennedy, DeForest and Marconi sets. Trade or buy. Steve Lange, Waldo WI 53093. Phone: 414 541-4811.

WANTED: CIRCUIT for my GLOBE SCOUT, model 680. Fenton, 3122 Ann Arbor, Sugar Land, Texas 77478.

WANTED: Soctt Philharmonic. Robert G. Teska, 334 Willard Road, Toledo, Ohio 43605.

WANTED

ZENITH ZEPHYR
(page 191 Vintage Radio)

End-Table Radio Receiver



Three-band super in end-table cabinet

Available in six and ten-tube super models, this modern end-table receiver is built for domestic broadcasts, short-wave and foreign reception. Placed alongside an arm chair, divan or day bed it is convenient to tune. A plate-glass panel protects the dial and slides out of sight when set is in operation. A hinged top covers a utility compartment in the rear which provides storage space for your log and magazines. Provision has been made for an all-wave doublet antenna connection and the set may be used with hard-of-hearing aid if desired.

please write condition & price:

J.W.F. Puett

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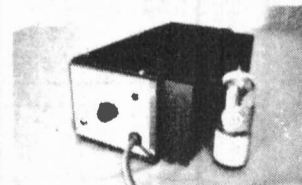
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INTERESTED IN PURCHASING

ANTIQUARIAN RADIOS, CAMERAS, WRIST AND POCKET WATCHES, ELECTRIC AND MECHANICAL CLOCKS, FOUNTAIN PENS

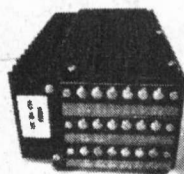
H-10 POWER SUPPLY



Now! For the first time a premium quality power supply. The H-10 power supply is made of specially designed and the highest quality components (not surplus or used parts)

And it is not being assembled in someone's garage. The H-10 has been contracted by a top-rate manufacturer who builds power supplies primarily for the laser industry. Thus it is fully warranted for a full year.

And no other power supply offers as many regulated outputs



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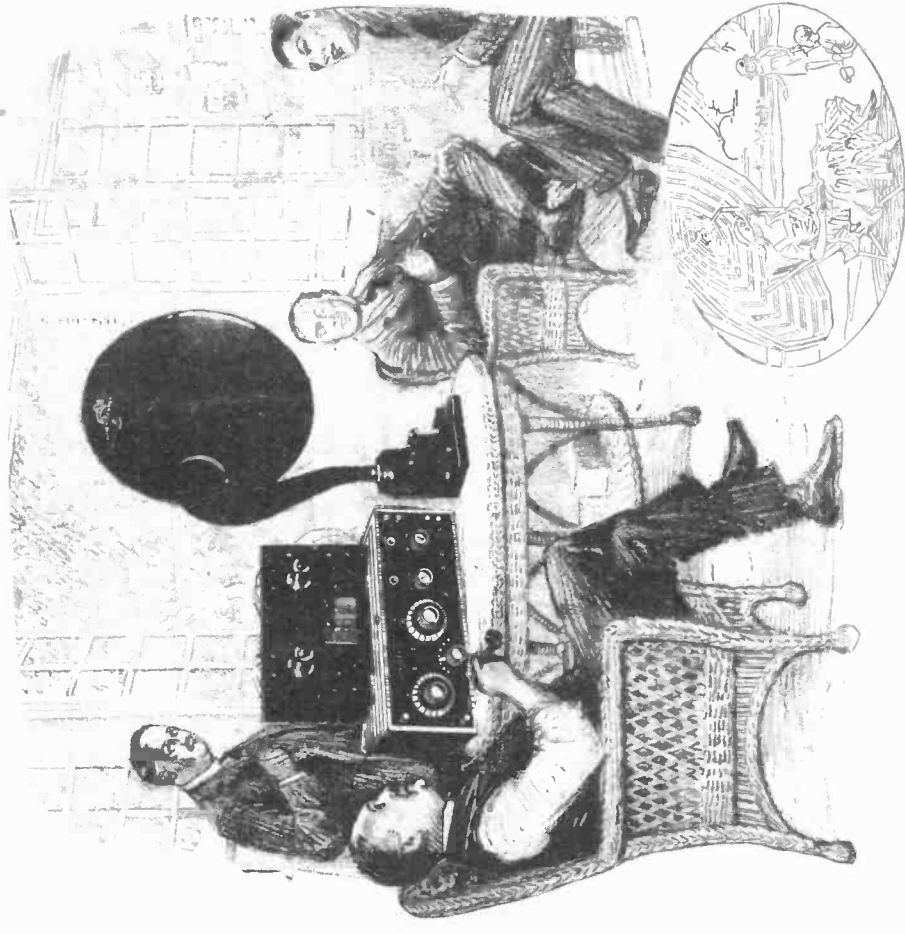
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Ordering Information: Include check or money order for \$149.95 to Glenn S. Streater, 4133 Via Nival, Palos Verdes Estates, CA 90274. We will pay shipping by UPS.

THE HORN SPEAKER

1978

Mr. Gary B. Schneider
6848 Commonwealth
Parma Hgts., Ohio 44130



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PUETT ELECTRONICS
P.O. BOX 28572 DALLAS TEXAS 75228
PUBLISHERS OF
THE CLASSIC RADIO NEWSLETTER
(send 13¢ stamp for newsletter sample)

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List No. 17
(1) Make checks and money orders payable to PUETT ELECTRONICS.
(2) WE SHIP PARCEL POST. NO C.O.D. INCLUDE 15% FOR POSTAGE & HANDLING. POSTAL INSURANCE RATES ARE 60¢ FOR ORDERS UP TO FIFTY DOLLARS. MINIMUM ORDER \$3.00 - DOES NOT APPLY TO SCHEMATIC DIAGRAMS OR BOOKLETS. ORDERS WHICH EXCEED \$50.00 ARE SHIPPED POSTPAID. TEXAS RESIDENTS ADD 5% STATE SALES TAX.

POLICY
CUSTOMER SATISFACTION GUARANTEED. If you are not satisfied with your order for any reason, tubes may be returned within ten days for refund or replacement with exception of tubes which are shorted or have open filaments. It will be assumed that returned tubes with open filaments or shorts were damaged in shipment. Shipping damage claims will be handled promptly through the post office on insured orders. PUETT ELECTRONICS assumes no liability for orders which are not insured, and no liability beyond that which is covered by postal insurance. The tubes listed herein are either new, military pull-outs, factory over-purchases, or used. If only new tubes in original cartons are acceptable, add 10% to the total cost of your tube order. REFUNDS are mailed with your invoice for out-of-stock merchandise. ALL TUBES ARE THOROUGHLY TESTED ON A MUTUAL CONDUCTANCE TUBE CHECKER BEFORE SHIPMENT. ALL TUBES MUST MEET NEW TUBE STANDARDS WHEN CHECKED. All prices are subject to change without notice. All tube prices listed herein supersede prices in previous lists and ads. We offer free technical advice for a 13¢ stamp or you may call J. W. F. Puett. NO LATER THAN 10:00 PM CENTRAL STANDARD TIME - PLEASE.

ANTIQUE RADIO TUBES



PUETT ELECTRONICS HAS HUNDREDS OF OTHER TUBE TYPES NOT LISTED HEREIN. FOR OTHER TUBE TYPES, SEND 65¢ FOR CATALOG.

6R7	\$4	7B5	\$3	12K7	\$7	50C6	\$4	117N7	\$7
6A3	\$3	7B6	\$4	12K8	\$4	25A5	\$3	117P7	\$7
6A4	\$3	7B7	\$4	12L6	\$4	25B6	\$3	117Q7	\$7
6A5	\$3	7C5	\$3	12Q7	\$4	25C6	\$2	117R7	\$7
6A6	\$3	7C6	\$4	12S7	\$3	25L6	\$3	117Z4	\$4
6A7	\$3	7C7	\$4	12T7	\$3	25M6	\$3	117Z6	\$4
6A8	\$3	7C8	\$4	12U7	\$3	25N6	\$3	55	\$5
6A9	\$3	7C9	\$4	12V7	\$3	25O6	\$3	485	\$5
6B1	\$3	7D1	\$4	12W7	\$3	25P6	\$3	884	\$7
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6B4	\$3	7D4	\$4	12Z7	\$3	25S6	\$3	952	\$5
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6B8	\$3	7D8	\$4	13D7	\$3	25W6	\$3	956	\$5
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6C6	\$3	7E6	\$4	13K7	\$3	26D6	\$4	963	\$5
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6D3	\$3	7F3	\$4	13Q7	\$3	26J6	\$4	969	\$5
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6H7	\$3	7J7	\$4	15E7	\$3	27X6	\$4	1009	\$5
6H8	\$3	7J8	\$4	15F7	\$3	27Y6	\$4	1010	\$5
6H9	\$3	7J9	\$4	15G7	\$3	27Z6	\$4	1011	\$5
6I1	\$3	7K1	\$4	15H7	\$3	28A6	\$4	1012	\$5
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6I3	\$3	7K3	\$4	15J7	\$3	28C6	\$4	1014	\$5
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6I5	\$3	7K5	\$4	15L7	\$3	28E6	\$4	1016	\$5
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