

The C. R. C.

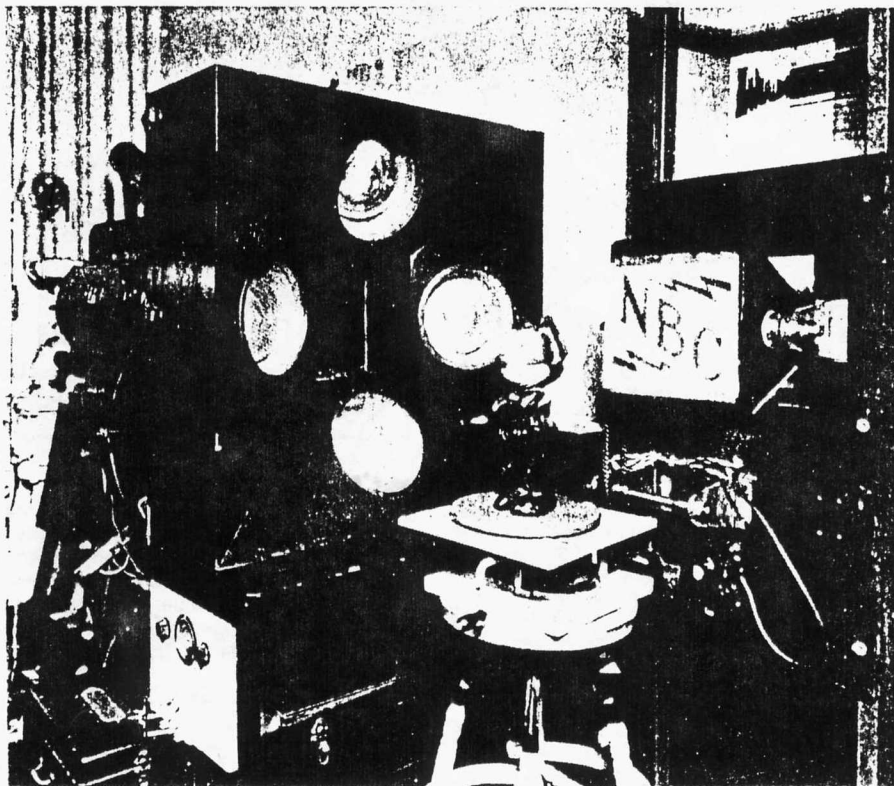


Official Journal Published For Colorado Radio Collectors
Dedicated to the Preservation and Documentation of Wireless, Radio, TV, and Associated Equipment

Volume 3

January - February 1992

Issue 1



Famous Feline First To Face The World

In 1928, our first television star, Felix The Cat, posed in front of an RCA camera, which was behind the square opening surrounded by the four floodlights. The papier-mache doll stood on a crank phonograph turntable that gave "life" to our talented performer as it rotated. A photograph of Felix as he appeared on a primitive sixty-line scanning television system is shown on page six. Today, Felix is alive and well, living in the museum of a private Radio/TV collector. (An RCA photo)

Official Journal of the
**Colorado Radio
Collectors**

Founded in the Fall of 1988

Dedicated to the Preservation and Documentation of
Wireless, Radio, Television, and Associated Equipment

WANT ADS
and
ARTICLES

should be directed to:

C. R. C. Editor

1249 Solstice Lane
Fort Collins, CO 80525

DEADLINE NOTES

It's the intention of this Editor to broadcast our journal bi-monthly just prior to the CRC meetings. Articles about and especially pictures of your treasures are welcomed as are wants/4-sale ads or any letters and comments about our great hobby. Pictures will be returned promptly if so requested. All materials used are copyrighted (©) property of the Colorado Radio Collectors' club.

The Editor will be happy to put together articles about your best finds, restoration and electrical repair techniques, or your recollections and stories about radio. Just provide a handful of information; you don't need to be a writer...get the information in !!

Our club can only succeed when we share our talents, our needs, and our adventures; you're being asked to contribute in whatever way you can, as soon as possible, please. Thank you !! - Editor -

Closing Dates: (Received by, please:)

December 20 • February 20 • April 20
June 20 • August 20 • October 20

**Dues Presentable
Upon Membership
Anniversary**

\$10⁰⁰ Annually

Larry Weide

5270 East Nassau Circle
Englewood, Colorado 80110
(Please do NOT make checks to CRC)

MEETING LOCATION

Unless otherwise noted in this journal, meetings are held on the second Sunday at 1:00 PM every other month beginning in January at the Jefferson County Public Library, 10200 West 20th Avenue. A swap meet is held at 3:00 at a location to be announced. Bring lots of For Sale and Trade stuff !!

C. R. C. OFFICERS

President:

Dick Hagrman 794•6674 Denver

Vice President:

Riggs Smith 973•8792 Littleton

Treasurer:

Larry Weide 758•8362 Englewood

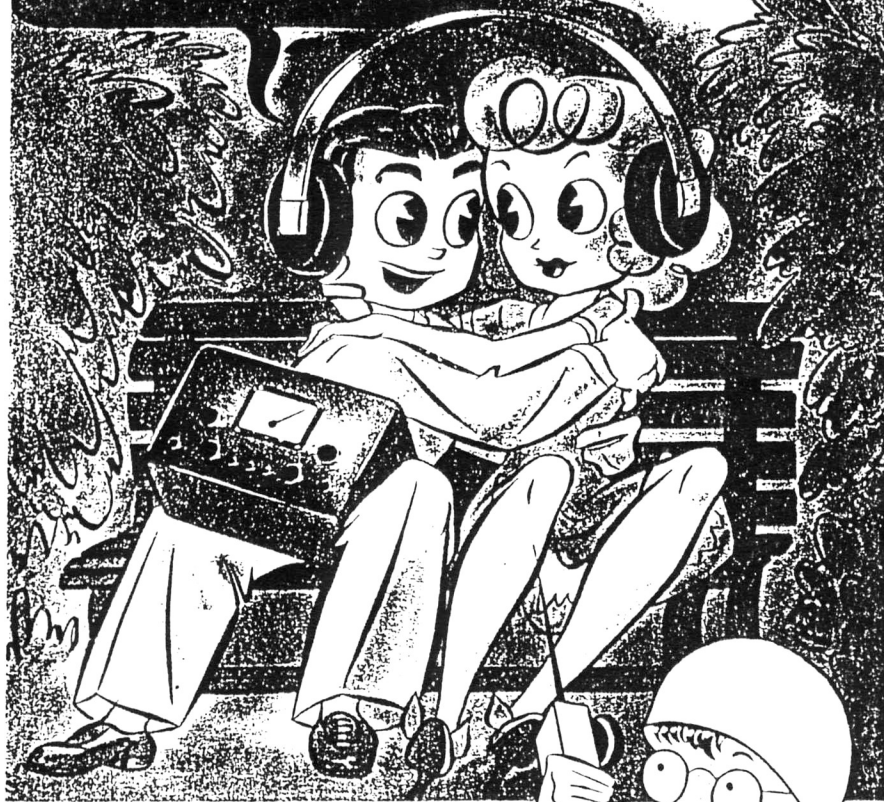
Journal Editor / Secretary:

Rick Ammon 224•5446 Ft. Collins

This publication was completed on a Commodore Amiga 2000 computer and printed on an Hewlett Packard DeskJet 500 and an Apple LaserWriter "NT". The Desk-Top-Publishing program used is PageStream 2.1 by Soft Logik of St. Louis, MO.

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**"ECHOPHONE'S GADGETS
ON THE CITIZENS'
RADIOPHONE BAND
WILL BRING US
CLOSER TOGETHER
THAN EVER"***



HOGARTH'S PLANS ARE WELL IN HAND

Hogarth's well aware of the future new possibilities for Echophone. There will be Echophone equipment for use on the citizens' radio communications service band. It is certain to be low in price, high in performance and completely dependable. The present EC-1 covers from 550 kc. to 30 Mc. on three bands ... electrical bandspread on all bands ... self contained speaker ... 115-125 volts AC or DC.



ECHOPHONE
"The Ears of the World"

*Citizens' radio communications service band, 460-970 Mc., recently proposed by the F.C.C.

ECHOPHONE RADIO CO., 540 NORTH MICHIGAN AVE., CHICAGO 11, ILLINOIS

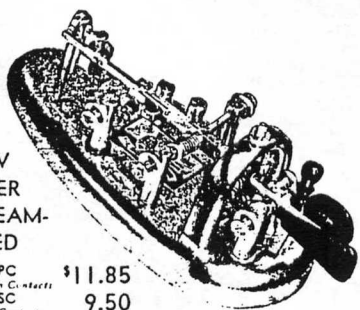
(Radio News • October 1945)

RADIO TELEGRAPH APPARATUS *Manufactured by*

WORLD'S CHAMPION RADIO TELEGRAPHER

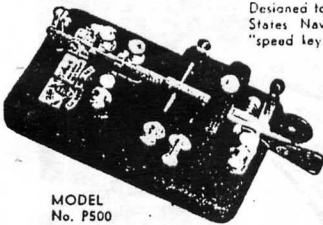
**NEW
SUPER
STREAM-
SPEED**

S-600-PC \$11.85
 Platinum Contacts
 S-800-SC 9.50
 Silver Contacts



Into this gorgeous speed key has gone Mac's 30 years operating experience supplemented by the finest engineering ability in the radio-telegraph industry... with their combined efforts coordinated under the styling genius of one of America's outstanding design artists. See it! Handle it! You'll have to own it!

PROFESSIONAL MODEL, MAC KEY

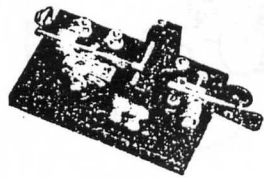


MODEL No. P500
\$7.50
 NET TO THE OPERATOR

Designed to conform with United States Navy specifications for "speed key." It is just what its name implies: A fine Professional Operator's model Mac Key. Base 3 3/4" x 6 1/2" x 3/4" thickness. Beautifully black wrinkled over Parkerized base casting. Carefully designed super-structure, similarly finished.

Chromed parts, circuit closer, baffle insulation, 3/16" silver contacts. A key that will thrill any radio or telegraph operator.

AMATEUR MODEL, SPEED KEY



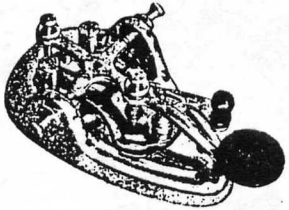
MODEL No. A400
\$5.95 NET TO THE OPERATOR

A speed key of this quality is available at this ridiculously low price only because Mac has written off all original production costs, such as patterns, jigs, dies, tools, etc., resulting from tremendous volume of the old style Standard and Deluxe Mac Key over the past five years. Nearly ten thousand of these excellent speed keys have been sold. Black wrinkled base, nickel-plated parts, no circuit closer. Here is a good speed key for the man who must watch costs, but wants a real operator's instrument.

Combining beauty and utility in a most striking fashion, this radically new, semi-automatic key is the last word in operating ease. Fast, rhythmical Morse is a real pleasure with this key.

- Streamlined base of special dense alloy. Wt. 4 lbs.
- Tear-drop shaped base makes it immovable on table.
- Heavily chromed with bluish tinge to prevent glare.
- Stainless steel coil springs and bearings.
- Beryllium copper mainspring and U spring.
- Bronze bearing screws.
- Bronze alloy pigtail.
- Ballelite insulation throughout.
- Molded plastic dot paddle and dash button.

DELUXE MODEL, STREAMKEY



MODELS BB-300, or BS-300, price \$2.85
 NET TO THE OPERATOR

Beautiful tear-drop streamlined base with some extra heavy, bluish tinged chrome finish used on the Super Streamspeed. All parts minutely chromed. Finely balanced and attractive key lever. Huge 3, "16" contacts especially designed for these keys. There is a "feel" to these streamlined keys that'll thrill any operator! Choice of ball bearings balanced lever, model BB-300; or bronze bearing screws, model BS-300. Same price.

PROFESSIONAL MODEL, STREAMKEY

NET TO THE OPERATOR **\$1.80**

Same key as Deluxe Model, but with black wrinkled base. Choice of ball bearings balanced lever, Model BB-200; or bronze bearing screws, Model BS-200. same price.

AMATEUR STREAM KEY



Price, net to Operator
 A-100 @ \$1.00
 S-100 @ \$1.35

Choice of either grey or black classic, Cadmium parts. Here is a truly fine hard key at a ridiculously low price. A100 minus switch & speed key lip. S100 with switch & speed key lip.

T.R. McElroy  **100 BROOKLINE AVENUE BOSTON, MASS.**

ON THE AIR

Dick Hagrman, C. R. C. President

Happy New Year!!

I hope 1992 will be a good year for all of you...

The club wishes to extend a very large thank you to Bruce Young who has devoted three years to club offices; two years as President and one year as Treasurer. Bruce also set up and ran the very successful "Third Annual Antique Radio Show and Swap Meet" which was held last April. I know Bruce will continue to be involved in club activities. Again, thanks, Bruce, for your time and effort over the past three years.

We welcome Larry Weide as the club's new treasurer and I know you will all provide Larry with the same cooperation you gave Bruce. Should you have any questions about dues, etc., feel free to call Larry at 758-8382. Welcome aboard, Larry.

Riggs Smith and Rick Ammon continue to serve as Vice President and Journal Editor/Secretary, respectively, and I thank them for their efforts last year and look forward to working with them again.

Thanks, Contributors, For Your Support !!

Riggs Smith, Jerry Tynan,
Dick Hagrman

Our next scheduled meeting will be held at the Jefferson County Library on Sunday, January 12th at 1:00. Some of the items on the agenda are:

A report from the Rigg's Committee.
We'll try something new...like a raffle.
Dave Boyle's show and tell on restorations.

Discussion on what you want your club to be.

Upcoming events such as the April Show and Swap Meet.

Lee Bruton will give us a few words on the SCARS meet he recently attended in California.

And, of course, a swap meet after the regular club meeting.

We look forward to seeing all of you at our first 1992 meeting. So, Happy New Year and maybe this will be the year when your long lost Uncle will call and say "I just found 23 old Philco cathedral radios in the basement of my hardware store. Come get them, if you want'em!"

(We'd like to thank Dick for volunteering again to be the leader of this motly crew in '92. Some Presidents are born masochists. Your Editor)

1992 C.R.C. OFFICERS

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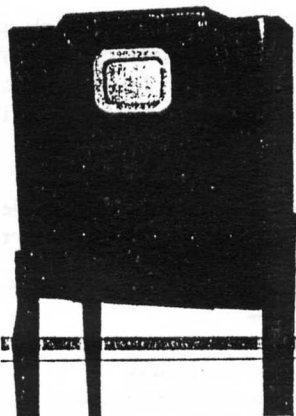


MEMBERSHIP NOTICE

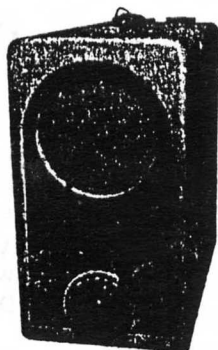


The month and year next to your address on the back cover is your membership expiration date. Where appropriate please renew at this meeting or see the inside front cover of this journal.

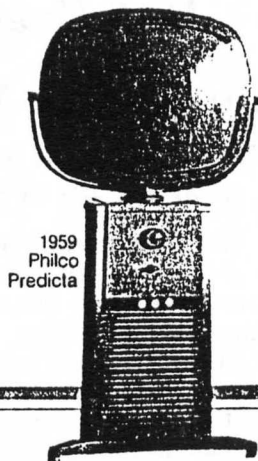
(More) Pictorial Essay of Television



1939 Andrea



1949 Teletone



1959
Philco
Predicta



Felix's first TV appearance in 1928

Next Issue's Features

More TV Pictures and Stories....
Long-delayed feature about a
Computer Bulletin Board
devoted to Radio collectors...
A "Titanic" Wireless Story...

Here is more history of Television...

1897 Germany's Karl Braun makes
first CRT scanning device

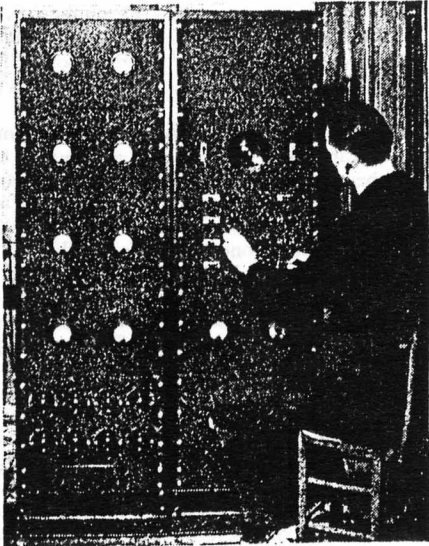
1907 Image reproduction using
electro-magnetic scanning
developed simultaneously in
Russia and England

1927 Philo Farnsworth applies for
patent on electronic TV system.
Bell Telephone Labs demonstrates
wireless TV between Whippany,
N. J. and New York City

1928 First experimental TV station
permits issued by Government



Lad uses Jenkins RadioVisor in 1929



An engineer watches the flying disc at old W2XCR-WGBS in New York City.



Just before the collapse of the pioneer efforts, this was the home set.

▲ 1932

1939 ▼



When Toby Wing was televised by Philco, she was the first person who was able at the same time to see just how the received picture looked.

C. Francis Jenkins "A Genius"

Held 300 Lucrative Patents

**Devised Television, Radio,
Aviation, Telephotography Aids**

**Motion Picture Projector
Pioneer, Sold Rights for \$2500
in 'Failure'**

C. Francis Jenkins, inventor of the Jenkins Radiovision, died in 1934 of a heart attack at the age of sixty-seven. Even though he'd been in ill-health for three years prior to his death, he was still endeavoring to continue supervision of laboratory experiments in connection with his most recent development, a home motion picture and sound-recording camera.

Jenkins was one of the pioneers in the motion picture industry. He devoted his early years attempting to turn the motion picture into amusement, failing so utterly in 1894 that he sold his patent for a mere \$2500. About the same time Thomas Edison was working on various other phases of the new device.

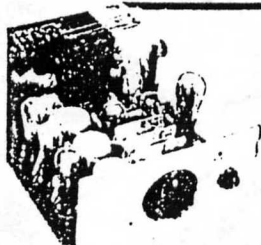
Born of Quaker parents in Dayton, Ohio, Jenkins intently studied wireless and aviation in their earliest days, going on to provide many benefits for television more than thirty

years after his death. During the 1960's and 70's, NASA utilized the basic considerations of Jenkin's scanning disc TV on the Apollo moon shots due the improved clarity it presented over the "flying spot" CRT principles of contemporary commercial television!

His inventions were various from a motor-driven lawn mower, automobile tire chains, and a check protector. The invention that probably brought him the most money was the spiral-wound paper container for liquids, being one invention, he admitted in later years, least interested him.

After the Great War, Jenkins devoted most of his time to radio and aviation. He became a pilot and while flying during a pleasure trip came up with the solution of transmission of pictures by wireless. First to produce photographs by radio and first to perfect a mechanism for viewing distant scenes by radio, Jenkins developed a high-speed motion picture camera by which pictures would be taken of fast-moving objects invisible to the eye. He patented a mechanism by which weather maps are sent to sea by radio. The radio beacon was another device Jenkins created which is largely responsible for aviation safety today.

For a number of years Jenkins Laboratories of Washington, DC, was the only radio station in the country specializing in television. Jenkins freely predicted that "in a few years people will be able to see far-off events clearly on the radio".



Television Kits

You can enjoy the excellent radiovision programs now on the air—without discouraging failures, waste of time, big expense. Start right—with Jenkins kits, if you wish to build your own set, or with complete Jenkins equipment. You don't have to cover the ground which Jenkins engineers have covered for you during the past six years!

JENKINS TELEVISION RECEIVER KIT

Here's a perfected television receiver kit as the result of two years of intensive engineering effort. Non-regenerative for distortionless images yet employing ample tuned r.f. for weak signals. Single-dial tuning. Covers 100-150 meter band. A.C. operated with self-contained power pack. All components supplied, including metal platform and front panel. Assembled in few hours by any handy man or boy. Provides good half-tone detail, where usual receiver would

give only silhouette. JK-20 Kit, without tubes, \$49.50. Tubes, \$14.50 extra. Self-synchronizer amplifier necessary, SK-30, \$35.00 extra.

JENKINS RADIOVISOR KIT

Complete kit of parts, fully machined, ready to assemble and wire. Mounting brackets, field coils, wedges, ball-bearing shaft, rotor, scanning disc assembly, speed control, condenser, lamp socket and housing, wires, screws, nuts, bolts, packed in neat box with instructions. Assembled in few hours. RK Kit, \$42.50. Lamp, \$6.00 extra.

ORDER NOW! The popularity of radiovision programs is reflected in the growing demand for equipment. Send your order in now, without delay, so that your kits may be sent to you C. O. D. or paid by your check with order.

JENKINS
TELEVISION CORP
PASSAIC NEW JERSEY

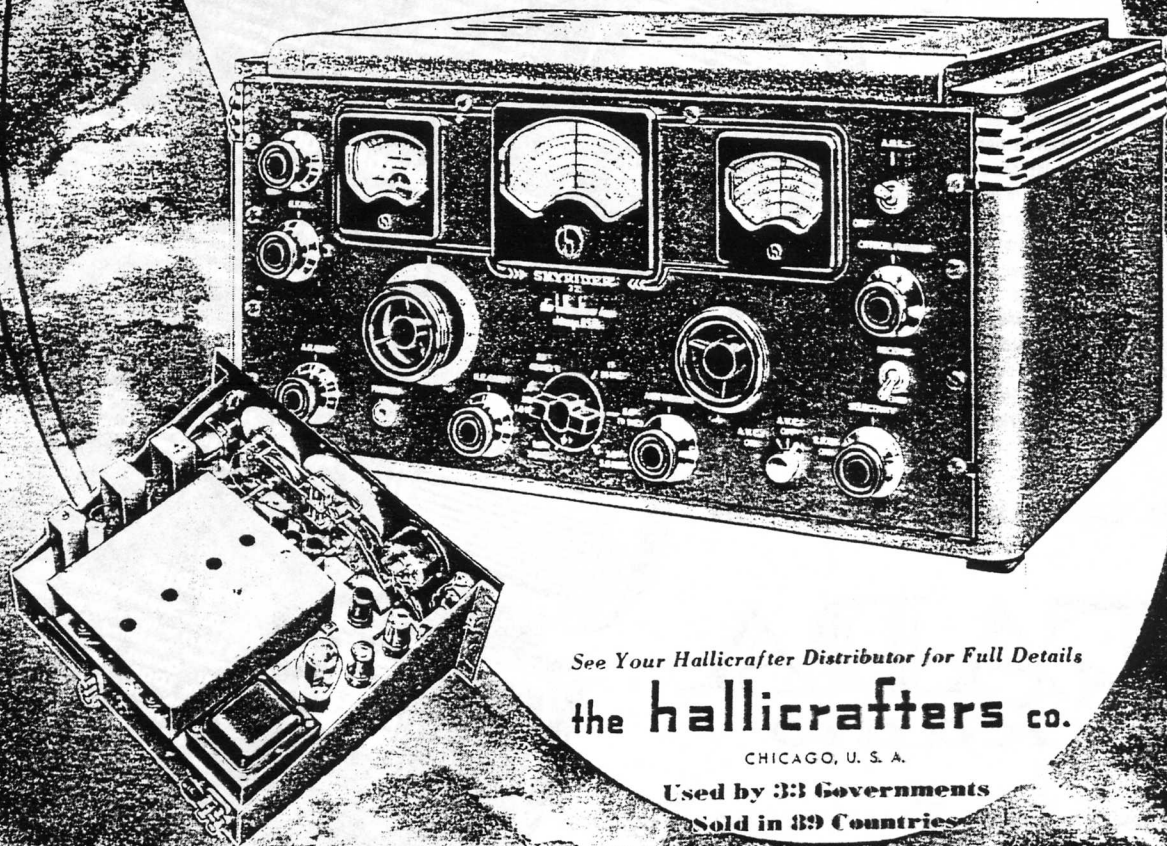


Skyrider

FOR 1942

**A THIRTEEN TUBE, SIX BAND
COMMUNICATIONS RECEIVER**

Features of the Skyrider 32 • Two stages preselection •
Calibrated bandspread inertia controlled • Micrometer
scale tuning inertia controlled • Tone and AC on-off • Beat
frequency oscillator • AF gain-RF gain • Crystal phasing
• Adjustable noise limiter • Send-receive switch-AVC-BFO
switch • 80/40/20/10 meter amateur bands calibrated •
Wide angle "S" meter • Push-pull high fidelity, audio
output • 6-step wide range variable selectivity.



See Your Hallicrafter Distributor for Full Details

the **hallicrafters** co.

CHICAGO, U. S. A.

Used by 33 Governments

Sold in 39 Countries

On the march with

FADA

The RADIO of Tomorrow—today

1946 MODELS NOW IN PRODUCTION



FADA 6 tube models are equipped with the new FADA "Sensitive-Tone" . . . assuring greater sensitivity and clearer reception.

MODEL 1001

In Beautiful Walnut Wood Cabinet with Noise Reducing R.F. Stage.
6 tubes with 8 tube performance. Features include Slide Rule Dial; FADA-SCOPE built-in LOOP ANTENNA; Automatic Volume Control; Beam Power Output System and New Wonder Speaker ALNICO V.

1000 SERIES

6 Tube A.C.-D.C. Superheterodynes . . . In Gemlike "FADA-LUCENT" Cabinets with the New Gemlike Illuminated Dial and Noise Reducing R.F. Stage.
8 tube performance with 6 full working tubes; FADA-SCOPE built-in loop ANTENNA; Beam Power Output System; Automatic Volume Control; New Wonder Speaker ALNICO V. Housed in beautiful "FADA-LUCENT" Cabinets in Five Gorgeous COLOR COMBINATIONS resembling precious stones.

652 SERIES

6 Tube A.C.-D.C. Superheterodynes with the R.F. Noise Reducing Stage with Slide Rule Dial in Gemlike "FADA-LUCENT" Cabinets.
6 tube radio with 8 tube performance. Features include the new Lock in type tubes; Beam Power Output System; New Wonder Speaker ALNICO V; Automatic Volume Control and FADA-SCOPE built-in LOOP ANTENNA. Housed in beautiful "FADA-LUCENT" Cabinets in Five Gorgeous COLOR COMBINATIONS resembling precious stones.

MODEL 1002

6 Tube Superheterodynes in Rich Walnut Wood Cabinet with R.F. Noise Reducing Stage.
6 tubes with 8 tube performance. Uses standard preferred type tubes; Beam Power Output System; FADA-SCOPE built-in LOOP ANTENNA; Automatic Volume Control; Illuminated Golden Glo Dial; New Wonder Speaker ALNICO V.

MODEL 605W

In Handsome Walnut Plastic Cabinet.
5 tube A.C.-D.C. Superheterodyne with 7 tube performance. Features include Horizontal type Slide Rule Dial; FADA-SCOPE built-in LOOP ANTENNA; Automatic Volume Control; New Wonder Speaker ALNICO V; Beam Power Output System.

609 SERIES

A.C.-D.C. Superheterodynes
5 tubes with 7 tube performance. Uses standard preferred type tubes; Beam Power Output System; FADA-SCOPE built-in LOOP ANTENNA for noise-free reception. Just plug in and play! Automatic Volume Control; Illuminated "Golden Glo" Dial; New Wonder Speaker ALNICO V. Available in Walnut or Ivory Plastic Cabinets.

The name FADA has been synonymous with fine radio receivers since broadcasting began. Behind the name FADA lies 25 years of experience in building radios . . . PLUS 25 years of consistent advertising and sales promotion which have created unusual consumer acceptance.

The new FADA line is an achievement in tone quality and in beauty of design. FADA performance reaches peaks never before approached.

A part of the new 1946 line of FADA radio receivers is illustrated here.

YOU CAN ALWAYS DEPEND ON

FADA Radio

Famous Since Broadcasting Began!

FADA RADIO AND ELECTRIC COMPANY, INC., LONG ISLAND CITY, N. Y.

OUR CIRC COLLECTORS

Introducing....

Riggs Smith of Littleton

This member is a curious animal who's by no means shy about his collecting hobby! When asked to complete the new member questionnaire, he litterly filled every blank space to capacity.

The Smith family, including wife Bobbi, son Brian, and daughter Kerri, has been very afflicted by this radio hobby only since June 1989. But the one hundred eighty sets and two thousand tubes have assumingly taken over his home and his basement where Riggs invites us to see his museum pieces.

Riggs defends his radio craziness by the fact he likes to restore wood work. Old consoles and table models fit the bill and present other challenges, too. "Just the appearance of nice, old radios" and meeting "some nice people who collect" are the reasons Smith started and is motivated enough to keep collecting. "I saw old radios, part of a collection, in one of my customer's offices and decided I wanted one!", Riggs reflects. (He did not tells us what he does for a living.)

Cathedrals, tombstones, and consoles are his favorites. About Zenith, Atwater Kent, Philco, Crosley, and Scott radios, Riggs tells us, "I like these because they are the classics, and the hardest to find".

As far as restoration of his sets is concerned, he says "I enjoy working with woods. In fact, for two years after graduation from college, I taught woodworking in junior high and high schools. I enjoy stripping and refinishing old cabinets".



His best find? "A man called me with eight radios for sale. Most were in nice shape and worked. One of those was a Scott twenty-three tube All Wave in a nice cabinet. It required no restoration as it was found

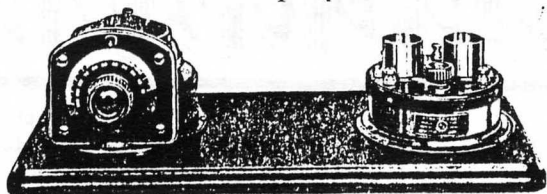
covered with a tarp in a chicken house. I bought all eight at bargain prices!"

Riggs is one of the most active members of our club, having been Vice President during the past year and recently volunteered for another VP term for the coming year. He's given club presentations and contributed to the CRC Journal numerous times.

Riggs concluded the questionnaire with the following statement: "Though my wife doesn't understand my addiction for radios. She's very supportive of my hobby. I thank her for that!"

ATWATER KENT

Radio Equipment



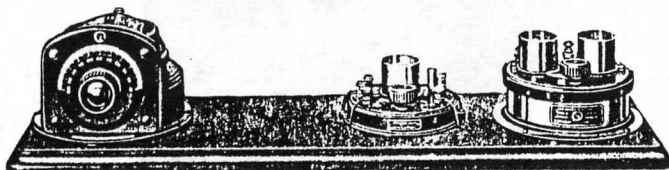
The two instruments shown above comprise an excellent and complete receiving set. The Coupled Circuit Tuner and Detector 1 Stage Amplifier on the mahogany mounting board present a beautiful appearance.

No. 3925 Complete Outfit, as above, wired, \$32.00



The above set, consisting of Coupled Circuit Tuner and Detector 2 Stage Amplifier, is an ideal set for either phone or loud speaker use. Note that this set includes two stages of audio frequency amplification.

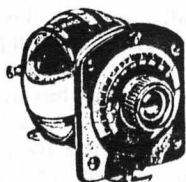
No. 3945 Complete Outfit, as above, wired, \$35.50



The Coupled Circuit Tuner and Detector Unit only, comprise a complete receiving set. Later, if desired, the 2 Stage Amplifier can be added for two stages of audio frequency amplification, as shown above.

No. 3955 Complete Outfit, as above, wired \$37.50

No. 3960 Complete Outfit, as above (without Amplifier), wired 23.50



The Mounted Variometer carries through the standard quality of Atwater Kent products. For an open set it supplies a finished instrument unsurpassed in appearance and performance.

No. 3714

Mounted Variometer (Brown Panel and Dial)

\$10.00

No. 3838

Mounted Variometer (Black Panel and Dial)

\$10.00

ATWATER KENT MFG. CO., PHILADELPHIA

4937 STENTON AVENUE

Early Atwater Kent did not want to pay for licensing to sell regenerative sets. Rather, AK offered the sets shown and "suggested purchase" of the Mounted Variometer, which would fit nicely in the open spot on the breadboard. When wired properly, regeneration was provided and your Do-It-Yourself AK became a much improved radio at a reasonable cost. (Part of an original AK multi-page brochure [2/3 actual size] dated January 1923)

Most Interesting Finds

This feature needs your support. We all have these "Best Find" stories and the CRCs would like to know yours! Don't be shy or humble! Get all the details to your C. R. C. Editor now.

It was very disappointing, after having collected wireless and early battery sets exclusively for six years, that I hadn't even been close to getting an Atwater Kent breadboard. It was 1975 and I lived in an area of the U. S. rich in old radios. I attended auctions week after week and got lots of stuff, but no AK BBs!

At every sale, I would talk to anyone who wanted to listen to a would-be old radio collector. During one boring antique dealer without the typical illustrating that the stuck straight up course, this dealer seen anything as I described, but "Sure, sure!" I as he was he'd probably call me if he found a light bulb in a porcelain socket and because I was looking for this particular set, he'd want a mint if he ever found one!



Surprisingly, the very next week he called saying he'd found not one but two of those "funny looking" sets. He said they had "Model 5600" (or some such strange numbers) printed on them. I looked through every source I had (pretty limited in those days) and, yet, could find no AK reference number even close to that except for the 1930s sets. But, he was sure they were what I wanted, even though his description was lousy. I figured maybe he'd found an old cathedral chassis or two in a junkyard. When I got to his house, you can imagine my glee as I eyed two mint AK 10C breadboards on his table along with three matching AK gooseneck speakers and several other old miscellaneous accessories!

I bought everything for an amazing \$35! Wait! There's more! The dealer admitted he'd made money, getting both sets and all parts at an auction (one I couldn't attend) the very next day after I'd talked to him. He'd paid "under \$10" for all because other dealers wouldn't even bid. The punchline? He said they actually laughed at him for wasting his money on junk radios without cabinets nobody'd want. He was really concerned I wouldn't either for the same reason! Oh, if he only knew!! Your Editor.



PAT APPLIED FOR

WIRELESS EXPERIMENTERS ATTENTION

Our Circuit Detector will be a most valuable addition to your equipment. Test the instrument for testing your apparatus and connections. Detects all circuit and connection troubles.

Makes an Ideal and Reliable Wireless Operator's Head Receiver.

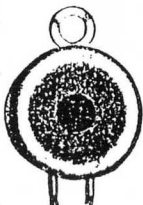
Complete—with high grade receiver—leather covered head band—battery and 5 foot green cord.

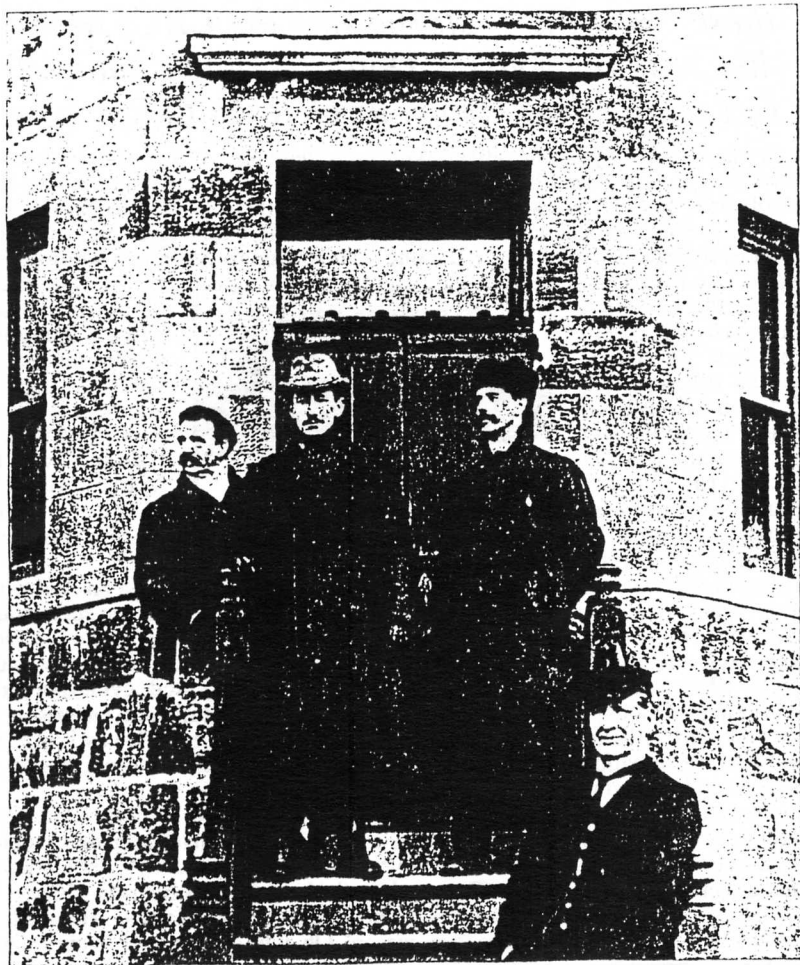
Sent Prepaid—to any part of the U. S. or Canada on receipt of \$2.50. Our w. u. n. case style "W" telephone receiver sent Postpaid on receipt of 80 cents.

Three foot cords for same 20 cents.

We are the Manufacturers. Send Us Your Orders.

Wm. J. Murdock & Co., 40 Carter St., Chelsea, Mass.





Seat of a Famous 1901 Wireless Experiment

It was in this tower that the first wireless signals (the letter "S" in quick succession) were received across the Atlantic. Photograph, posed just after the completion of the test, shows Marconi, standing on the steps of the tower with his two assistants, Messrs. Paget and Kemp; tower keeper at lower right

Electrical Men of the Times

Guglielmo (William) Marconi

(Taken in part, from an article in Modern Electrics dated 1909, allowing us to step back in time and see how a then-contemporary hero was viewed. Editor)

"Marconi did not invent the wireless telegraph, as is popularly believed. He did, however, perform the great service of making the first practical application of the wireless telegraphy to commercial uses. In other words, Marconi is a human benefactor by actually leading the way in the development of a new art which is becoming increasingly useful to man in its practical applications.

"Wireless simple in its principle... (the) sent flying out of by the generator of spark, in a storm elements, to be the antennae or attuned receiving. But it took a even dare to these ether which others had could be generated

"Guglielmo born only thirty- [in 1875 Ed.]... menting in boy... was but he began to devise show an electric in any given

follow an undeviating course without need of a wire.

"He continued his electric work for his love of it, and he received his greatest reward on that memorable day, December 12, 1901, when he received, at Signal Hill, Newfoundland, three little clicks, the dots of the letter "S", signalled by pre-arrangement from the coast of England, two thousand miles across the waters of the Atlantic.

"The inventor is a man of medium stature, high strung, yet deliberate and of great nervous and mental activity.... a practical business organizer, being the controlling head of the Marconi Wireless Telegraph Company now operating for the conduct of business in the United States and leading countries in Europe.

"Marconi is a quiet man, of a keenly sensitive disposition. He doesn't speak much. But he uses the power of direct thought upon the work in hand. He overcame great material obstacles, laboring faithfully into mastery at last, and a new application of knowledge has been made to add strength and zest to the life of man."

(Picture on the opposite page is from Radio News • Jan. 1932)



telegraphy is fundamental message is the transmitter an electrical of contending caught up by feelers of the instrument. Marconi to suppose that vibrations, discovered, and controlled. Marconi was four years ago began experi- electricity as a fifteen when instruments to wave, if started direction, will

PILOT Pioneers TELEVISION



Pilot's Television Transmitter

designed, engineered and built by world's largest radio parts plant. Now successfully transmitting nightly at Radio News station WRRY (136 meters). Illustration shows subject being televised. Inset illustrates amplification apparatus.



Pilot Television and Broadcast receiver used during first public television demonstration at New York University. Built entirely of standard Pilot radio parts plus Neon tube, Scanning Disc and Synchronous motor. You can assemble a Pilot television outfit for less than the cost of the average broadcast receiver! Write for information.

Television is Here!

In those three words, Pilot proclaims to a waiting world the miracle of practical, workable television.

Not laboratory television with expensive equipment, but *home television*, with no special apparatus except Neon tube, disc and motor. All other parts are *standard Pilot* radio parts—the kind you have always used.

To develop television on a practical basis, Pilot's engineering staff designed and built its own television transmitter. Hundreds of tests were made. Finally the official demonstration at New York

University before a brilliant group of distinguished scientists and engineers provided a fitting climax to the months of unremitting research.

Now each night unseen light travels the ether waves from the Pilot-built television transmitter permanently installed at radio station WRRY. To make sure of results, use only genuine Pilot parts!

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(Radio News • October 1928)

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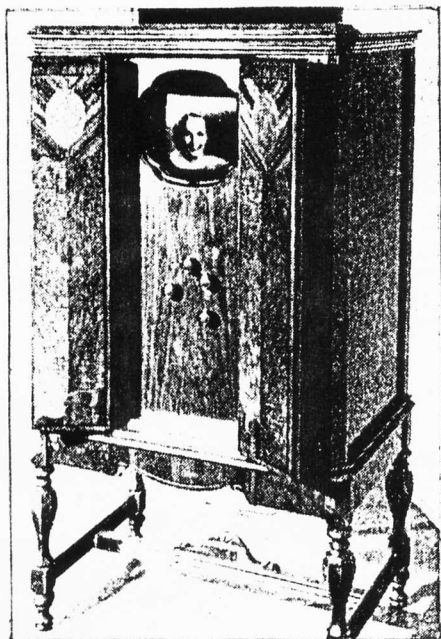
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