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

Volume 3

March - April

Issue 2

NEW MEETING LOCATION

SOUTHWEST BANK BUILDING

Community Room

1380 South Federal Boulevard Sunday, March 8th • Meeting at 1 PM • Swap Meet at 3 PM

80th Anniversary of Tragedy and Wireless History

by Rick Ammon

The muffled shudder just before midnight wasn't felt by those in their cabins or in the ballrooms topside, but, within three hours, the world.s largest and "most unsinkable" ship was rushing thousands of feet down to the bottom of the iceberg-laden North Atlantic. With nearly sixteen hundred passengers lost that early morning of April 15, 1912 were also founded many chapters of wireless history and radio laws.

As the Titanic was sinking, its Marconi wireless apparatus (picture on page three) screamed out its "S.O.S." only to be ignored by a wireless operator aboard a ship only a few miles away. He had gone to bed minutes earlier. In 1912 no laws were in effect to assure a ship in distress would be heard. All would change dramatically because of the Titanic, becoming only one of the many mileposts in the history of wireless. Legislation enacted internationally before the end of 1912 would lead, eventually, to the Federal Communication Commission and today's laws.

The following exerpts are from the 1912 book about the disaster, Story of the Wreck of the Titanic: "In the Senate Investigating Committee on April 22, Fourth Officer Boxall made a startling revelation in regard to a ship close at hand at the time of the wreck which ignored all the Titanic's (wireless and rocket) signals". Boxhall testified that, at Captain Smith's orders, he "...took word of the ship's (last) position to the wireless operators.....41:40 north, 50.14 west...After that I was on the bridge most of the time, sending out distress signals, trying to attract the attention of the boats ahead. I sent up distress rockets until I left the ship, to try to attract attention of the ship directly ahead. I had seen the lights. It seemed to be meeting us, and not far away. It got close enough, it seemed to me, to read our electric Morse signals...'Come

(Continued on page three)

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

\$10^m 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 at 1:00 PM on the second Sunday of every other month beginning in January at the SouthWest Bank Building - Community Room - 1380 South Federal Blvd. A swap meet is at 3:00 at a location to be announced. Bring lots of For Sale/Trade stuff!

C. R. C. OFFICERS

President:

Dick Hagrman 794•6674 Denver

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Riggs Smith 973•8792 Littleton

Treasurer:

Larry Weide 758+8382 Englewood

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Rick Ammon 224-5446 Ft. Collins

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(Anniversary - Cont. from cover)

at once - we are sinking'." Obviously, that ship did not respond. The Carpathia, Olympic, and Baltic were the ships to the rescue from many more miles away, taking much longer and attributing to the great loss of life.

In front of the Investigating Committee, "...discussing the strength of the wireless, Carpathia's Captain Rostron said the ship was only fiftyeight miles from the Titanic when the call for help came in. 'Our wireless operator was not on duty', said the captain, 'but as he was undressing, he had his apparatus to his ear. Ten minutes later he would have been in bed and we never have heard'.

Testimony about the Carpathia's role in the disaster centered on possible censorship (with-holding the names of victims) by its wireless operator and an unexplained wireless telegram received from the Titanic after it had gone down!

Specifically, Captain Rostron reacted to charges from Committeeman Smith that the Carpathia didn't answer President Taft's inquiry about

his military aid, Major Butt (a victim), by explaining that "absolutely no censorship was exercised and the wireless continued working all the way in (to New York), the Marconi operator being constantly at the key." Senator Smith sought to discover who had been "tampering with the wireless operators or had been responsible for the failure of the wireless to get the news to the shore earlier."

P.A.S. Franklin, a White Star Line business manager, was called as a witness and asked if he knew anything about a telegram received by a Congressman Hughes. The

telegram read:

Titanic proceeding to Halifax.

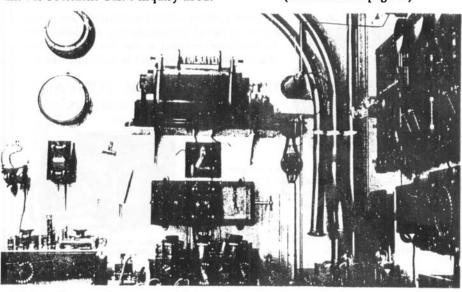
Passengers probably land on Wednesday.

All safe. (Emphasis mine - Editor)

White Star Line

The irony? The telegram was dated April 15, 1912...hours after the massive ship sank! Franklin claimed no knowledge of it. Apparently, the mystery of why and by whom this telegram was sent was never solved.

(Continued on page 18)



This is the Wireless Room of the Olympic...the sister ship to the Titanic Notice the ten-inch Spark Coil, Multi-Tuner, Magnetic Detector, and Fleming Valve All equipment is from the British Marconi Company of 1912

A New Radio Production

TURNEY SPIDER-WEB INDUCTANCE

EMBODIED IN A SMALL UNIT

Statement:

More Induc-

tance

Reason

There is no magnetic leak-age in coupling. The coils being flat, the entire mag-netic area of the coil is available.

Less Distributed Capacity

The wire runs parallel for a greater distance and crosses itself less frequently than any coil known.

Lower High Frequency Resistance

There being no interior mag-netic field or air core, high frequency resistance is re-duced to a minimum.

The coils are so thin that three of them occupy less than 1/4 inch.

The Turney Spider-IVeb Unit

This unit contains three Turney spider-web inductunce coils. Two movable and one stationary. There are six binding posts permitting most any type of circuit to be used. The doors, as shown in cut, are capable of very fine adjustment and stay where they are placed. With two condensers, .0005 and .001 m.f., it will respond to wavelengths of 75 to

FORMICA INSULATION THRUOUT

Illustration shows front of cabinet removed

Dimensions, 435 x 5 x 154 PRICE, \$6.00

100 meters, and to give results such as you have not had before.

THE WINDING

Note Angle at Crossine Formica Core.

EUGENE T. TURNEY LABORATORIES

Holmes, New York

Further information on request

APPARATUS WHICH EXCEL



in those qualities which for 13 years have maintained its enviable reputation for reliability will be found pre-eminent in the display rooms of discriminating dealers and is manufactured by

CLAPP-EASTHAM COMPANY

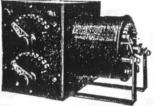
120 Main Street

CAMBRIDGE, MASS.

Catalog sent for 6c stamps.

TYPE Z.R.V. Variometer has unit construction with bakelite shell and hard wood ball. Has low dielectric losses and a range of inductance of 1.25 mil henry maximum to .1 mil henry minimum. It is readily used on a table or mounted on panels.

Complete with 3-inch dial and knob.....\$6.50 Without dial or knob...... 5.75



Radion Receiving Transformer 200-3000 Meters. Price \$14.00

(Radio News • October 1920)

ON THE AIR

Dick Hagrman, C. R. C. President

Be sure to attend the March meeting as we will be finalizing our plans for the April Antique Radio Show and Swap Meet. New categories have been added and several other changes have been made which, we hope, will provide us with a bigger and better show.

IMPORTANT NOTICE...

The meeting location has been changed to the SouthWest Bank Community Room. The bank is located at 1380 South Federal, between Louisiana and Florida on the east side of Federal. We believe this is a more central location and is being provided to the club at NO COST. Come and check this location out and, with the approval of the members, we'll make this our permanent meeting location. The bank has no objections to the club having a swap meet in their parking lot after our meeting. Enter the bank at the front entrance and take the stairs on your left down to the Community Room.

The club's Treasurer, Larry Weide, has asked me to announce that several members are behind in their dues. Should you have any questions as to when your dues are due, please ask Larry at the next meeting. We are taking several actions to prevent a

Thanks, Contributors, For Your Support !!

Barney Wooters Dick Hagrman

dues increase and we do need your help with this matter. Thanks. Do not find yourself in "Deep Due

C.R.C. club members will have the opportunity to buy radio books at greatly reduced prices at the next meeting. An example is the book, Evolution of the Radio, which has a retail price of \$ 22.95. Your cost is only \$ 13.77 plus a small postage fee! About a dozen titles are currently available to the club. Get more details at this next meeting...bring your checkbook.

The following agenda items, and others, are scheduled for the March

8th meeting:

Check out the new location Restoration presentation by Dave Boyle Discussion of the April Show A raffle Swap Meet after the meeting

Looking forward to seeing each of you at the meeting.

P.S. Be sure to wear your name tag. If you don't have one, see Rick Ammon as he has just finished name tags for the complete club roster (finally! - Editor) with significant others included...so bring your tags and your "others" to the meeting!





MEMBERSHIP N

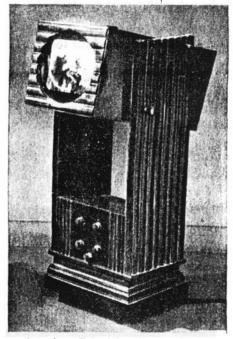


The month and year next to your address on the back cover is your membership expiration date. Where appropriate, please renew at this meeting or see the inside front cover of this journal.

(More)² Pictorial Essay of Television



▲ Late '30s RCA TV receivers with mirrored projection set, right ▼



American Television Corporation's 1939 commercial television receiver

Next Issue's Features

Nicola Tesla - Λ Forgotten Pioneer Postcards and Sheet Music Collectables Hendrie & Bolthoff Manufacturing & Supply - Denver Result of the CRC Λnnual Show



Here is (more)² history of Television...

1900 France coins a new word..."Television"

1928 General Electric telecasts the first TV drama...The Queens Messenger...The "Soaps" begin!

1935 United States Patent Office declares Farnsworth, NOT RCA/Zworykin, inventor of electronic TV scanning

1939 RCA President Samoff at the World's Fair announces start of regular TV broadcasts



The first television commercial appeared on July 1, 1941. It cost \$9.



THE KENNEDY MODEL X

This beautifully includ mushogany calities emissive a complete, self-contained radio receiver feave length range 190 to 600 meters. Two stages of audio amplification, fourth-in bond speaker. Formics panel. Dads and metal trimmings gold-placed, All dip batteries—three day battery tubes—planers for weaker signals or individual reception—emospheria—memory and metallicities.

All Kennels radio receiving sets are recentative — lecencel under Armstrong U. S. parent No. 1,113,143. KENNEDY

THE COLIN B. KENNEDY COMPANY

The Royulty Radio

Tell them that you saw it in RADIO

Radio ♦ September 1923

What do you know about...

Restoring a bad electrolytic condenser?
The history of the Grigsby-Grunow radio company?
Refinishing the base of a 1924 Atwater Kent 10C BreadBoard?
The short-comings of the first transistor radios?
Parts needed for a 1923 Crosley restoration project?
The excitement of finding a Catalin for \$25 in a local junk shop?

I know nothing of these...But YOU do!

ABSOLUTE FRUSTRATION!!

My frustration comes from a lack of participation by All members of this club to contribute to your newsletter!

Out of nearly sixty CRC members, only eight (five were past and present club officers) in a year have provided this editor with newsletter materials. I have neither the resources nor the vast knowledge of radio histories and restoration techniques to continue the newsletter in its present form. **You**, the members of this club **DO** have the resources (in you heads).

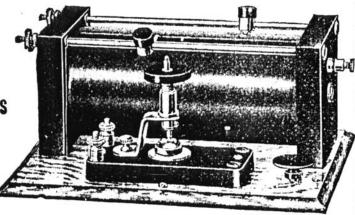
As editor, I volunteered to provide this club with a bi-monthly publication. I will continue to do so, but the amount of information contained within these pages will have to be based on your contributions. Even "For Sale/Want" ads are FREE!! Please....

Share !!

Wireless Apparatus

No. 2 RECEIVING SET

\$8 Without Receivers





Double slide tuning coil Wave length 100 to 300 meters—Latest type detector condenser— Mounted on mahogany base.

Double Head Receivers

Style AM

200	Ohm	-	-	-	\$4.50
1000	Ohm	-	_	-	5,50
1 500	Ohm.	-	-	-	6 5)
2000	Ohm	-	-	-	7.50
3000	Ohm	_	_	_	8.50
		str	aid		

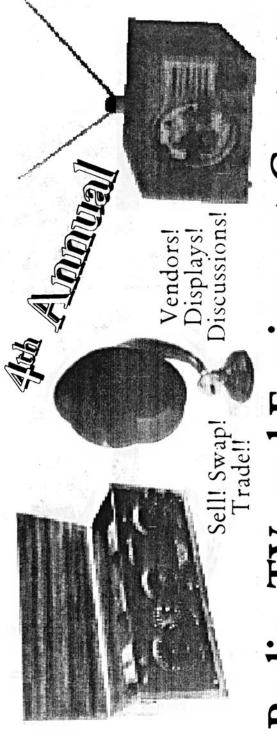
This apparatus is of the highest quality and is guaranteed by us to be perfect in every respect.

Wm. J. Murdock & Co.

50 Carter Street

CHELSEA, MASS.

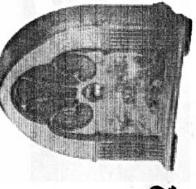
SHOW and SWAP MEET ANTIQUE RADIO



Radio, TV, and Equipment Contests



Sponsored by the Colorado Aadio



April 11 & 12, 1992

National Western Complex - Denver

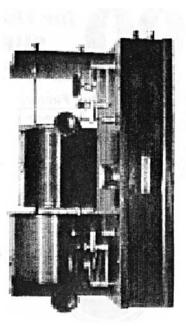
(One mile East of Interstate 25 on Interstate 70)

Dick Hagrman

C.R.C. President

Littleton, Colorado

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\$9⁸9

for this PACKARD SUPER 8-\$250 A.C. ELECTRIC RADIO SET

Direct From Our Factory

Today's greatest radio! A truly sensational offer! The Eight-tube PACKARD A. C. Electric Radio — a regular \$250 set—shipped

\$5000.00 CASH BOND to Back Our GUARANTEE

to any home in the U. S. at direct from factory price of only \$99. And to prove our claims we will ship this set to your home on



The PACKARD Engineers

have invented this most unusual, powerful SUPER-Eight Tube Radio. Astonishing volume and tone qualiity. Remarkable selectivity and long-distance reception. Leading radio engineers unanimously agree that there is no better radio made — regardless of price.

Let us prove this by shipping a set to your home on 30 days' trial. Examine the set from A to Z. Let the most exacting critics pass on its merits. And if, after the 30 day trial period, you are convinced that the Packard Eight-tube El.ctric is fully the equal of any console radio set selling up to \$250—then, and only then, need you decide to keep it at our factory price of only \$299—otherwise, return it.

This marvelous set combines every new scientific development in receiving sets—prossessing heauty, refinement, durability. Gets everything on the air from coast to coast—from Mexico into Canada, loudly, clearly, and distinctly. Only one dial to tune in all stations.

You Save the Jobbers', Dealers' and Salesmen's Profits

The PACKARD Radio is shipped direct from our factory. All the indextwen profits are deducted from the price of the et and instead of paying \$250 you pay only \$99. Quantity production, economy in selling, and only a small profit for the manufacturer makes this astounding ofter possible.

MAIL COUPON NOW FOR — — 30 days' free trial offer

Don't miss this opportunity. Mail coupon at once for complete information about the PACKARD A. C.—8 TUBE ELECTRIC RADIO and our liberal 30 days' free trial offer. No obligation on your part. Our \$5,000.00 cash bond backs up our guarantee.

PACKARD RADIO CO.

2323 Milwaukee Ave. Dept. 320 Chicago, III.



Packard Radio Company

I am interested in Packard Radios and your \$5,000 00 Bonded 30 days' free trial offer and guarantee Sendfull details.

Name

Address

City

State

Plore say you said it in Kanto News

Radio News • October 1928

Some Thoughts About Working on Old Radios

By Barney Wooters

When servicing a radio on your bench, be sure to use a suitable isolation transformer so the YOU don't become part of an electrical circuit!

Be sure to keep all parts, knobs, and hardware in a single

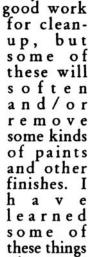
location. Styroform egg crates make good containers for this purpose.

If you have lots of parts off any given radio, use small slips of paper (Post-It

Notes cut into strips - Ed.) to put with them, telling what they are by name ("dial light socket mounting screws") or where they come from ("screws off rear of tuning condenser").

Be careful about using masking tape to mark parts. If it's not removed soon, it can be a real pain to remove by using a knife and/or suitable solvent. Never use tape on a finished wood surface!

Experiment carefully with the various kinds of cleaners (i.e., 409, Fantastick, and ammonia-based products) available today. They all do



"the hard way". Always use these in a well-ventilated area. Never use gasoline -- there are better/safer solvents.

Proceed carefully in your work. Make your best efforts. Strive for originally. If you don't know, ask for help.

(NEVER consider cleaning Bakelite with any ammoniabased product! - Editor)



BAKELITE NAMED FOR INVENTOR

by Rick Ammon

In old radio circles, the word "Bakelite" is bandied about with

frequency, but the origin of the word may not be widely known.

Bakelite is a synthetic substance whose characteristics include an irrevocable hardening when cured (i.e. it cannot be softened again). It is nonflammable, odorless, and moisture resistance. By a more colorful name, this substance can also be called "cast phenolic thermosetting plastic".

It was named not for any physical qualities but for its Belgian born chemist, Leo Baekeland, who discovered it by accident in 1907. His General Baklite company became the Bakelite Corporation, and the word "Bakelite" is now a registered trademark of Union Carbide.

Andrea "SHARP-FOCUS"

TELEVISION

Ready for Experimenters, Set Builders, Servicemen

Frank A. D. Andrea, famous radio pioneer, now leads in television progress! You may be confident of success with the KT-E-5 kit. It is a product of the Andrea television development laboratories, whose equipment and personnel are among the finest in the world. -When assembled from the stepby-step instructions, your Andrea KT-E-5 will give you the same "Sharp-Focus" images that have amazed television engineers during New York demonstrations.-Be the first in your neighborhood to build an Andrea "Sharp-Focus" receiver.



Complete to the Last Detail Manufactured by Andrea Radio Corp.

5" picture tube, 16 set tubes, 441 lines, 30 frames interlaced, 44-50 and 50-56 mc. tuning, chassis and base-plate holes stamped, R.F. unit assembled and wired, 6½" speaker, slep-by-step instructions and wiring diagrams in 5 stages assure successful assembly. KT-E-5 kit only, \$79.95, picture tube \$27.50, 16 set tubes \$27.50, Teleceptor antenna \$9.50.

Prompt Service on Mail Orders

HAYNES-GRIFFIN 373 Madison Ave., New York City

Collector BBS Hangs It Up!

This long-delayed feature about a Computer Bulletin Board was too long in coming. As of the first of February the nation-wide "BBS" devoted to Radio/TV collectors was disconnected because "the computer was needed in other areas of interest" as reported by Lee and Reggi Allder, Sysops (SYStem OPeratorS) of the WildCat! BBS in California. For an annual subscription fee, one could exchange messages with other collectors covering all fascets of our hobby and relay files via computers, modems and telephone lines. Those files contained For Sale/Wants listings from all over the country during the year of BBS's operation.

The advantage of this computer BBS was that a subscriber could "download" a file containing the latest, HOT! For Sale list of Catalins or Transistor Novelties weeks before the same list appeared in the Antique Radio Classified or other publications. Another advantage was the message base, allowing lengthy discussions of restoration techniques and technical chit-chat. The disadvantage was that one needed a computer and knowledge of telecommunications to use this high-tech medium. It's obviously the way of the future and we'll see more of them.

There's been talk of a major California radio club taking over the management of the Board with access granted to members of the club. Maybe all clubs will provide this service. There's also another BBS in New Jersey devoted to our hobby. This writer found a very limited message base and radio/TV files, but it didn't have any of the character of the late WildCat! BBS. — CRC Editor—

Most Interesting Finds A

No rock left unturned! Isn't that the moto of all Radio/TV Collectors? In 1975, when I lived in Indiana, none were unturned. Even when the sign outside a plumbing shop read "Antiques", I couldn't resist! Antiques?? Plumbing?? I went inside and struck up a conversation with a sarcastic old lady amidst the piles of old plumbing fixtures and few pieces of chipped depression glass. After a bit of very uncomfortable chit-chat, I asked about old radios. Immediatedly, she told me, without explanation, to meet her later that day at a certain address in another town close by, stating, "It'll be worth your time!"

I kept the date with this strange woman who lead me into the rickety

I kept the date with this strange woman who lead me into the rickety garage of an old turn-of-the-Century house. As she began to dig through numerous boxes piled high, she related this story. She and her husband were married in 1922. He was a plumber by trade and asked her to manage his shop when he was out on a call. After several weeks, she complained of bordem from just sitting there. He said he'd been thinking about the new fad of RADIO and wanted to stock radios and supplies along with the plumbing fixtures. With the increased traffic into the store, she wouldn't have time to be bored! The old lady chuckled at that, explaining he was right!

She continued to unpack gobs of old radio supplies in their original display boxes...DeForest, Crosley, AK! All with stringed price tags on each individual part. THE ORIGINAL PRICES, yet!! She brought out a DeForest 7A Reflex with its loop antenna and a Radio Craft one tube receiver. "These", she said, "were demonstration radios; never sold, which were set up in the plumbing store and played to entice customers to buy radio equipment". The old woman had a smile on her face as she told of the fun of selling radios when her husband was out of the shop in those years of 1922 and 1923.

Obviously, I bought everything for \$175 and could hardly fit all of it into my car! As I was picking up the last boxes, she added, "Sorry you weren't here a few weeks ago...you could have bought the car I had covered up in this garage for all these years...my late husband's 1927 Packard Touring car!" (True story!!)

-- Rick Ammon --



Radio News

October 1928

REPORTED AUCTION PRICES -- THE MYTH!

By Jim Clark

While attending a local antique radio swap meet recently I noticed one of the club members had out a nice Pepsi drink dispenser novelty transistor radio, complete with it's carrying strap. As the item was not marked I inquired as to the price of his offering - he said \$300. He went on to tell me about how one of these rare beauties sold at an auction a couple of years ago for \$1300 and, thus, what bargain his set was! As proof he had a copy of Breed's novelty transistor radio book in which a \$1300 sale is reported -referencing an article in the January 1989 issue of ARC. The seller was showing this reference to everyone that inquired about his Pepsi radio. Haven't we all seen other collectors and dealers referencing that famous \$1300 Pepsi radio sale?!

When that \$1300 sale was first reported in the January 1989 ARC, I was so shocked I immediately called the author to investigate. I suspected some unusual circumstances must have occurred that lead to this record sale. I was startled when the author revealed to me that in fact the Pepsi radio did NOT sell for \$1300 rather it sold for \$200-\$300!! The author went on to explain, the error in reporting the amount of the Pepsi novelty transistor radio sale involved some confusion that developed revolving around some absentee bidding on the item just previous to or immediately following the Pepsi radio. For whatever reason, a correction was never printed and the \$1300 Pepsi transistor radio sale myth has not only been allowed to

grow, but prosper!

I also have noted many other errors in the reporting of auction sale prices for antique radios. I suspect often times a self-appointed person decides he/she will be of service to our hobby by recording each item and it's selling price at an

auction and then present this information for publication. However, this practice can lead to the reporting of many inaccuracies. How you say? What gets reported are the final prices that an item APPARENTLY sells for, EXCEPT some of these items can be no sales or buy-backs!! The casual person in the audience rarely would know this.

For example, it was reported a Stellar Mantle/Maris baseball radio sold at the RADIOFEST '91 auction for \$700. In this case it was bought back by the owner (perfectly allowable under the auction rules) and thus did not change hands. Is it accurate to report this as a sale? In another auction where it was permissible to bid on your own item, I recall where a Smokerette radio sold for about \$125 and yes it did change hands (I know as it was mine, and I did not buy it back or bid on it!). Later in the same sale I was surprised to see another Smokerette radio in similar condition bid to over \$300 -only to be bought back by it's owner. I assume he has more than this in it and only kept on bidding on it to protect his investment.

The reporting of auction prices could be improved if the selling prices of the items sold, not including buybacks and no sales, were supplied by the auctioneer or organization sponsoring the auction. So the next time you decide to act as a reporter at an auction, KNOW you are getting all the facts correct! To do anything less is to do our hobby a very great

disservice!!

(CRC member Jim Clark is a well-known collector, active in many clubs and radio collecting organizations. He pioneered the Michigan Antique Radio Club. Jim wrote the CRC and asked to have this information put into our newsletter. His very timely article is appreciated. Editor)

17

(Anniversary - Cont. from page 3)

"William (Guglielmo) Marconi, the wireless inventor, took the stand as soon as the hearing was resumed. He said he was the chairman of the British Marconi Company. Under instructions of the company, he explained, operators must take their orders from the captain of the ship on which they are employed."

When asked if the regulations prescribe whether one or two operators should be aboard the ocean vessels, Marconi testified. "Yes, on ships like the Titanic and Olympic, two are carried....The Carpathia, a smaller boat, carries one . The Carpathia wireless apparatus is short distance equipment. The maximum effeciency of the Carpathia wireless, I should say, was 200 miles. The wireless equipment on the Titanic was available 500 miles during the daytime and 1,000 miles at night." Marconi concluded the Titanic had the best, latest-improved wireless apparatus on her maiden voyage.

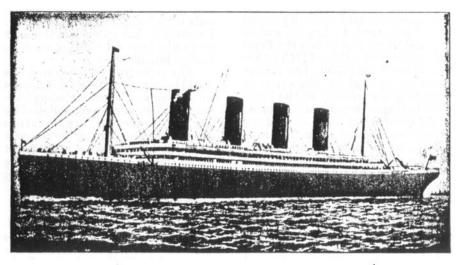
Senator Smith asked Marconi if amateur or rival concerns interfered with wireless communications of the Carpathia. "I am unable to say. Near New York I have an impression there was some slight interference, but when the Carpathia was farther out in touch with New York (and David Sarnoff at the Wanamaker Building Editor) and Nova Scotia, there was practically no interference."

The Senator inquired if Marconi had heard the prior testimony of Captain Rostron as to the catching of the distress signals from the Titanic almost providentially (relating to devine providence). Marconi agreed it was absolutely providential (that the Carpathia wireless operator had, only by mear chance, heard the distress calls).

When asked, "Ought it not to be incumbant upon ships to have an operator always at the key?", Marconi responded, "Yes, but the ship owners do not like to carry two operators when they can get along with one. The smaller boat owners do not like the expense of two operators."

MORE CONTROVERSY IN OUR NEXT ISSUE:

Blunders in the Wireless Messages Testimony from Operators Marconi Criticizes Operators Sarnoff's Role in Titanic Disaster



STEAMSHIP TITANIC

Wanted /48ale

For Sale:

Crosley battery set, Trirdyne Special with extra chassis/panel (most parts there) - \$ 6000

Wards Airline multi-band AM, FM, SW - battery (D-size batts.) or A.C. adapter. Excellent Condition - \$7500

Barney Wooters 8303 East Mansfield Avenue Denver, CO 80237-1723 (303) 770 • 5314

Wanted:

Interior parts, transformers (good or open), buss-bar wiring for **Paragon** DA Amplifier. Plez help on this! Thanx!

Rick Ammon 1249 Solstice Lane Fort Collins, CO 80525

Wanted:

Emerson Model CH chassis, working or not. This is an AC/DC chassis used in several table models from mid to late '30s...

> Dick Hagrman 3429 West Berry Place Littleton, CO 80123 (303) 794 • 6674

Wanted:

Colin B. Kennedy type 521 Amplifier; Multi-band communications receivers by National, Hammarlund, Collins, HalliCrafters; Early vacuum tubes, good or not...

> Barney Wooters 8303 East Mansfield Ave. Denver, CO 80237-1723 (303) 770 • 5314



Left is the wireless operator at his station on the Baltic in 1912. This ship rescued none of the passengers set adrift by the sinking of the Titanic, but aided in the life-saving communications.

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