

*Club Copy*

VOL 1 No.7

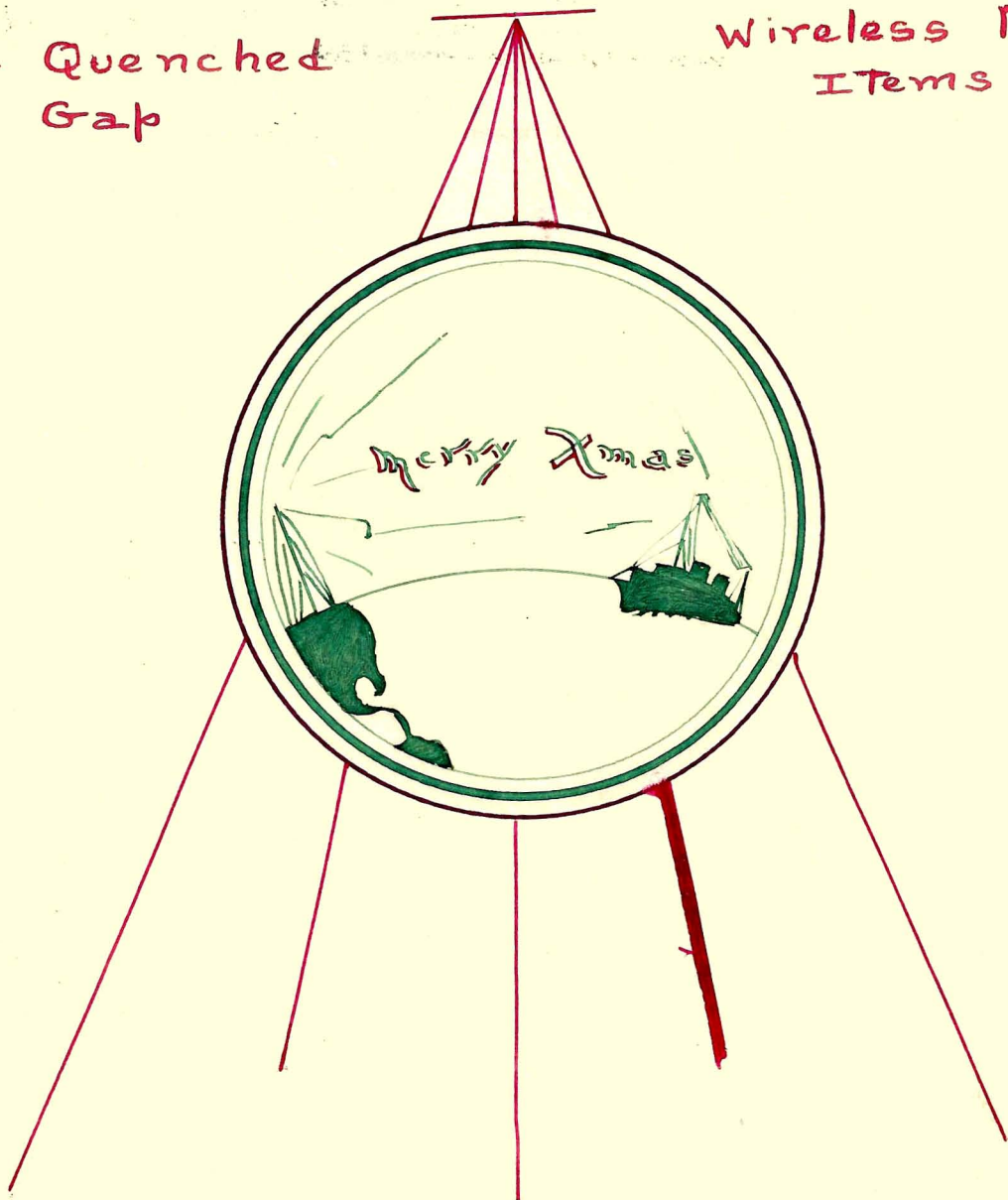
ATLANTIC CITY

Dec-17th-'15

# RADIO NEWS

*The Quenched  
Gap*

*Wireless News  
Items*



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RADIO NEWS

VOL 1 No. 7

Atlantic City

Dec-17-'15

EDITOR

E. Godfrey

Associate Editor  
J. Haas

OFFICES  
145 St. Charles Place  
2011 Atlantic Avenue

RATES  
Copy- five cents

Devoted to the interests of the  
Wireless Experimenters of Atlan-  
tic City & Out-Lying Districts.

•EDITORIAL•

We here take space in this, our  
Christmas number, to extend to all  
Radio Amateurs, a Merry Christmas  
and a Happy New Year.

These, the most spirited days of  
the Seasons gifts, when all men feel  
akin, we cannot help but see and ap-  
preciate the great bonds of fellow-  
ship associated in the common engage-  
ments in radio activity and foresee  
wonderful accomplishments of this  
great band of experimenters thru out  
our country. "Peace on earth, good-  
will towards Men" is a good motto  
for this ever increasing branch of  
science, that its gifts and possibil-  
ities may be the sooner realized thru  
cooperation and true feeling of fell-  
ow-ship. So to this end we give our

greeting. A Merry Merry Christ-  
mas and a Very Happy New Year  
to one and all.

\*\*\*

We commend the step taken by  
the Association to prepare it's  
members for a high state of effici-  
ency by creating the "Technical  
Educational Committee", and we  
cannot impress to strongly, the  
value of following this work in  
every detail. To assist in this,  
the RADIO NEWS will each issue  
print a digest of the work in the  
proper order. By securing all  
this data in buying a copy each  
issue, you will have a great  
source of information for refer-  
ence. Remember, every member out  
for a commercial license.

\*\*\*

300 K-W

An American wireless company  
has obtained a concession from  
the Argentine Republic Government  
for erection of a high powered  
station at Buenos Aires, and an-  
other near New York. A 1000 ft  
tower is to be erected at each  
place and a 300 kw transmitter  
installed.

\*\*\*

Record Talk

From Nauon, Prussia, to Tuckerton  
a distance of approximately 9000mi

## OCEAN CITY CLUB

The young men of Ocean City have formed the Progressive Radio Club of Ocean City. The object of the association is the promotion of & the betterment of communication in and about the City.

The officers are:-  
E. Roy Bourgeois, Pres.,  
Malcom C. Leslie,  
Vice Pres. & Chairman  
of technical committee.  
J. Loren Goff,  
Secretary & Treasure.  
William Sinkinson,  
Harvy Marts,  
Horace F. Smith,  
Guy Kline,  
Horace Burkhardt,  
John Marts, Jr.,  
Joseph Stetser.

Meetings are held every week.

### Multi Audi & Deferest Audion.

"3if" has recently been trying out manners and means of increasing the strength of incoming signals. By using a Multi Audi Fone and a Deferest Audion, Cape May, "WST" & many others such as Cape Cod and the Navy stations, can be read fifty feet from the instruments. The Best results are obtained by operating the audion in a magnetic field.

This field not only increases the signals 50% or more, but permits of using very little battery current in the grid circuit but the bulb need be only dimly lighted, thus saving batteries and filament. This stepped by the use of a Multi Audi Fone you can not stand having the fones on. Nearby boat stations sound as loud as a 3 in. spark coil in the room.

## The Quenched Gap Copy Righted J. Haas.

The quenched gap was invented by Von Lepel and Max Wein of Berlin in 1906.

The Telefunken quenched spark gap consists of a series of copper plates which are so arranged that their center faces are raised. This is done by having the ridges turned out near the edges of the plates and by placing mica rings of slight thickness between the ridges, of the adjacent plates, a very small gap is made. About 1,200 volts are allowed to each gap, and as many are placed in series as necessary, according to the voltage of the transformer.

In the standard Telefunken sets, the gap is composed of a number of copper discs clamped together in a special framework and each gap is provided with a metal spring piece which is inserted between the gaps which are to be short circuited if a nearby station is to be worked. The operator then lowers the voltage of his set and short circuits several gaps leaving only one or two. In this manner his signals are reduced to such a point as to reach the nearby station, but without disturbing others within the usual range.

The center raised portion of the Telefunken disc is of silver which has been welded on the copper. In all the larger sets the copper plates are single faced, the raised portion being on one side only, while the other side of the plate is perfectly flat. The plate is then sunk into the countersunk portion of a large bronze plate which serves the purpose of presenting more cooling surface to the plate.

-To Be Continued-

THE YELLOW PAGE TELLS WHERE YOU CAN  
GET THESE INSTRUMENTS

**\* CLUB NEWS \***

We should have a lively winter, says Mr Seymour, as the actual "stuff" is in the air. Little static (?) as a rule, and no commercial or Naval station to give you the blues.

We now have two radio inspectors, or club operators, as they are more rightly called. It is their duty to keep an open eye of local activities and to assist the those who have stumbling blocks to marr their operations.

We are glad to see Mr Minnick out to the last meeting and trust he can be with us from now on. Mr Minnick reports that he at times can draw an inch spark from his aerial. As he does not transmit, where does this energy come from. Mr Samaha, not long ago, reported the same thing of his station.

In using a tone wheel with a silicon detector, it has been found that after a time the mineral loses it's property for giving a musical tone, and the sound is the same as produced when the mineral is omitted and the wire of the tone wheel is allowed to scrape on the shaft. Some times the silicon and some minerals will never give out a musical tone.

The semi-annual meeting for the election of the Association officers was held at the club room, 314 Guarantee Trust Building. The following were elected to office-

Mr Charles Seymour, CS-31t  
President.

Mr Jerome Haas. 3rq  
Secretary,

Mr N J Jeffries, N J 31f  
Treasurer,

Operators-

Jerome Haas 3rq  
Earle Godfrey 31f

We are pleased to note that Mr Haas is the secretary of the wireless association at the Drexel Institute, Philadelphia.

When asked if he had any reason why the nomination should not be accepted, Mr Seymour replied, "Nothing except for my extreme modesty". "Oh Boy", "Take a chance on an Owl"?

Calls have been sent to those absent at the last meeting. If you are among those missing, all we can say is you are missing out on making good acquaintances and an opportunity to get ideas on wireless.

The trenches are not the only places where flutters "KeyStone" comedy. If any one doubts this they should have seen CS discard a cigarette butt into the bowl of 3rq's pipe while the latter was peacefully enjoying same.

Those present last meeting, were "31i", "3rq", "3sq", "CS", "NJ", "DG", "31f", "RM". Rather small turn out. Who are the other 18?

There are a few more Club msg blanks at cost. Who gets the next

A new audion bulb is being placed on the market & sold separately @ \$7. It is tubular in shape with a cylindrical plate inside. It is filled with nitrogen gas.

At the meeting of December 17th "31f" will have an Edison record of several stations recorded with the use of an Audion and a Multi Audi Fone

WIRELESS TELEGRAPH  
RECEIVING SET. \$5.00

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wireless instrument.

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Detector and Fixed Condenser. The separate instrymnts are  
mounted on a mahogany finished base, 10 x 13 inches. and  
wired complete, ready for connection to ground and aerial  
and receivers. This set has large capacity.....\$5.00  
With Brandes Fones, Superior,.....\$10.00

Deforest Audions.

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J. Haas  
Radio Technical Advisor

2011 Atlatic Avenue.