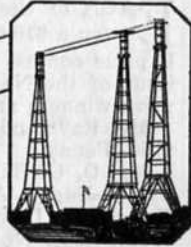


# NATIONAL

# RADIO

# NEWS



**FROM N.R.I. TRAINING HEADQUARTERS**

Vol. 2—No. 1

WASHINGTON, D. C.

JULY, 1929

**“Radio in  
Aviation”**

NUMBER



**Read**

*in this issue—*

**A. ATWATER KENT  
WALTER C. HINTON**

*and other writers on interesting Radio subjects*

## Contest Winners!

EACH of the following N. R. I. men won a \$10.00 cash prize in the N. R. I. prize contest announced in the March issue of the National Radio News. The prize winners are:

Mr. Raymond D. Myers, Box 15, Idaville, Penna.;

Mr. O. G. Baker, Lincoln, New York; Mr. Edgar A. Mathias, 1422 North Haugh St., Indianapolis, Ind.;

Mr. E. G. Wolfe, 1327 Kenzie St., Elkhart, Indiana.

There were a considerable number of entries—a great many of them were very good, and it was a difficult task for the prize committee to select the winners.

The prize committee wants to thank each and every one of you N. R. I. men who submitted your ideas in this contest. You have shown some mighty fine interest and a good spirit, and we only wish that we could give every man a first prize.

"Letting well enough alone" is a foolish motto in the life of a man who wants to get ahead. In the first place, nothing is "well enough," if you can do better. No matter how well you are doing, do better. There is an old Spanish proverb which says, "Enjoy the little you have while the fool is hunting for more."

The energetic American ought to turn this proverb upside down and make it read, "While the fool is enjoying the little he has, I will hunt for more."

—Arthur Brisbane.

## National Radio News Now in Libraries

N. R. I. students may be interested in knowing that the National Radio News has been placed in a number of the leading libraries throughout the country. That means that the News is being read by a larger number of people than ever before—the N. R. I. name is being advertised everywhere and that N. R. I. Radio-Tricians are getting a lot of valuable publicity. The comments of some of the librarians follow:

We are interested in receiving the current issues of the National Radio News—also we would like to have a complete file to bind for preservation in our reference collection.

—New York City Public Library.

Our Electrical Engineering Department and a great many others of the students and faculty here will be interested in the National Radio News.

—University of Missouri, School of Mines and Metallurgy Library.

We are very glad to add the National Radio News to our reading room periodical shelf.

—Hartford, Conn., Public Library.

The National Radio News will be of real help in our library. Thank you very much for it.

—Hancock, New Hampshire, Library.

We hope it will be possible for you to send us all the numbers of the National Radio News as we want to make them available to our readers.

—Birmingham, Alabama, Public Library.

## Can You Answer These?

- How is Radio being applied to railroading? ..... See page 10
- Who is N. R. I.'s oldest student? ..... See page 8
- Who is often called the Henry Ford of Radio? ..... See page 6
- How important is Radio to Aviation? ..... See page 4
- How many workers does the world's largest Radio plant employ? ..... See page 7
- Does it pay to size up your prospect? ..... See page 13
- How important is self-confidence? ..... See page 9
- What about the demand for battery operated sets? ..... See page 13
- What new Radio development has been made by the Canadian National Railway? ..... See page 14

## National Radio News

Published in the interest of N. R. I. students and graduates, by the NATIONAL RADIO INSTITUTE  
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NATIONAL RADIO INSTITUTE

Washington, D. C. July, 1929

Speaking of Radio progress—just 32 years ago this month, Marconi had developed his Radio apparatus so that communication was made between the shore and a ship 10 miles away! Comparisons between that and present day Radio are useless. We would just like to know what Radio will be like 32 years from now!!—Editor.

## Radio Sweeps Onward in Big Expansion



I LIKE to look back about this time each year over the splendid progress Radio has made.

I look back and recall how crude—how small and insignificant Radio was just a few short years ago.

In making this comparison I can get some idea of how truly great and magnificent the Radio field of tomorrow will be.

When I first started in Radio, my friends tried to discourage me. They told me I could never get anywhere with that apparatus—apparatus that amounted to nothing more than a couple of old Ford spark coils and a bundle of wires. Thousands talked about my "foolish ideas" to my back, but I am mighty glad today that I stuck it out.

In fact, Radio has developed so rapidly and has made such a wonderful record and has been of such great influence that even some of us pioneers in Radio hardly dreamed 18 or 20 years ago that it would be like this.

Over 350,000 people are employed in Radio today. The annual turnover is approximately \$1,000,000,000.

But the Radio technique is not confined to the narrower field in which some people regard Radio today. It extends into a number of fields—solving problems in many lines of industry.

For instance, Radio is largely responsible for the development of the talking

picture. It has practically made the "movie business" over.

Then, it has given the phonograph industry a new and improved means of recording and reproducing—completely reviving the industry.

Then, there is wired wireless or the transmission of Radio signals over telephone, telegraph, electric light, and even trolley lines. It has opened up a new era in communication and remote control. This is also expected to do a lot in solving some of television's problems.

Also in medicine and surgery, Radio technique is playing an important role.

In prospecting for minerals and ore deposits, radio waves are being used to a good advantage. In fact—approximately one-half of the new oil wells discovered last year were brought in by the use of Radio prospecting.

Perhaps, one of the biggest "outside fields" in which Radio is being applied today is that of Aviation. The debt that Aviation owes to Radio is great. Without Radio, Aviation would be greatly hampered and progress would be slow, but Radio has provided Aviation with eyes and ears. Radio is a big factor in its present development, and will be a still bigger factor in the future.

With the aid of Radio beacons, directional finders, high-powered aircraft transmitters and receivers, and aircraft altimeters that tell the pilot exactly how far he is above the ground when he is making dangerous landings in foggy weather—these and many other big developments in Aviation are due to Radio.

The opportunities for the Radio man are not to be overlooked in this new field. Radio operators will be needed for big cabin planes. Some big planes are being made right now with specially equipped cabins for Radio operators. Then, there will be a need for Radio men to handle the beam stations and do the airport Radio work. All in all, it seems that Radio technique has just scratched the surface of the many possibilities ahead and in the near future Radio principles will be put to work in a number of new fields. The man with thorough Radio training will find an ever widening field of opportunity ahead of him.

N. R. I. men can well be proud of the fact that they are playing a part in this fascinating drama of Radio's progress. Let's carry on—let's tackle our work with a new courage for there are even bigger things ahead of us in Radio.

J. E. SMITH.

