

## TODAY and TOMORROW

### TELEVISION

For years radio engineers have been dreaming of the day when folk can be able to see as well as to hear over the radio. Thousands of research workers have been trying to find the practical way to project light as well as sound by the use of the ether waves. In the laboratories, some remarkable results have been achieved. Still unsolved are the questions of cost and of the distance to which motion can be projected.

The Radio Corporation of America announces that it will spend a million dollars on commercialized experiments. A transmitter will be set up in the tower of the Empire State building and a dozen or more receiving sets placed in several nearby spots.

The day may come—I believe it will come—when people can sit in their homes and twist the dial to see a baseball game or a horserace or a prize-fight. Long before that, movie theatres will be equipped to show such scenes on the screen having, they are actually happening, and even that is a long way off.

**IMPROVEMENT** . . . . .  
Very interesting reports of new bours of engines which may revolutionize the automobiles of a few years hence. One big concern has been experimenting with a "hot-John" engine, using a mixture of Wobline and alcohol for fuel. A "Wot-spot" engine is one that depends upon high compression to ignite the charge; it has no spark plugs or ignition system and uses electricity only for starting and lighting.

I heard the other day that another big car builder is developing an engine to operate on acetylene gas. You make acetylene gas by burning water on calcium carbide, which in turn is made by mixing coke and lime in the electric furnace. The "prestolite" that used to be used for car headlights was compressed acetylene carried in small tanks.

I don't know how soon cars equipped with either of these new engines will be on the market, but the fact that they are being talked of is another proof that nothing stands still. How silly for anybody to imagine that it would be either possible or desirable to standardize development at any given point.

### COMFORT

Twenty-odd years ago I proposed a plan for making the guests in the first hotel built at El Centro, California, comfortable. El Centro is in the Imperial Valley, 66 feet below sea-level, and the thermometer goes up above 100 degrees and stays there. My scheme was to put in an artificial ice plant and circulate ice-water through pipes, like a steam-heating system, in every bedroom.

The other day I saw in a New York paper that not only the Barbara Worth hotel in El Centro but that many other hotels throughout the country are installing air-conditioning systems in their guest rooms. So are hundreds of small-town movie theaters; the big city movie houses have long had such aids to comfort. Many office buildings have part or all of the office space similarly protected against excess heat and humidity.

I have touched on this subject in this column before. Air-conditioning is a big and growing industry, with more than 100 concerns in it now. It is one of the things that is going to lift us out of the depression.

### RESEARCH

A couple of weeks ago a conference was held at Dearborn, Michigan, in which eminent industrialists, scientists and farmers took part. It was called a "Chemurgic" conference, the word meaning, roughly, putting chemistry to work. The purpose was to find new ways to adapt the products of the farm, or products that could be grown on farms, to industrial use.

In that line of research the Associate of State Universities, including the Land Grant colleges, has pointed out that the major developments in the application of scientific methods in agriculture

have been the result of research conducted in those tax-supported institutions.

All the folk who talk about stopping where we are and not trying to go any further in any direction—of standardizing everything at its present status—are talking plain foolishness. Out of the research laboratories are coming, almost every day, discoveries which are the seeds of new industries for the future, and which will eventually make life easier, richer and happier for everybody. Who wants to stop that?

### CAPITAL

A headline in a New York paper the other day reads: "\$76,418,490 Sought in New Securities." I looked over the list of important business concerns which are asking permission of the Federal Securities Commission to sell bonds to raise capital. A large part of this new capital is being sought for the very purpose I have just been talking about in this column; that is, to finance new industries based upon new scientific and technical discoveries.

There is plenty of capital looking for investment, but its holders want to put it where they have a chance to make important profits; they are not interested in lending it at 5 or 6 per cent on the old-fashioned kinds of securities. Most of the rich men I know are looking for a chance to gamble for big money by putting up capital to commercialize the new things which will be the big money-makers of the next few years.

I think that private capital will loosen up whenever it is shown a fair chance of big profits unhampered by the fear that the Government will confiscate profits, if they are realized.

## EXPAND CCC FOR VETERANS

To Include Veterans of Either World War or Prior Wars

CHARLOTTE, N. C.—James S. Pittman, Manager of the North Carolina Regional Office of the Veterans' Administration, Charlotte, N. C., announces receipt of information that the President of the United States has directed the prompt expansion of the Civilian Conservation Corps, to include veterans of either the World War or prior wars; that the Director, Emergency Conservation Work, has authorized the expansion of the Civilian Conservation Corps during the period June 15-August 31, 1935, which will include the normal July replacement program to maintain the Corps at full strength.

He calls attention to the fact that in addition to veterans of the World War, veterans of such wars as the Spanish-American War, the Philippine Insurrection and the Boxer Rebellion (or China Relief Expedition) are to be included in the program of expansion as it relates to the Veterans' Contingent, Civilian Conservation Corps; and that applicants therefor must meet the following requirements: (a) service in the armed forces of the United States during war; (b) honorable discharge from such service; (c) veteran is unemployed; (d) veteran is a citizen of the United States; (e) physical fitness and (f) good character.

Mr. Pittman states that while

### Headed Air Armada



HONOLULU . . . Commander E. W. Tod (above), was in charge of the 43 U. S. Navy flying boats which made up the greatest air armada ever to make a 1,188 mile water hop. The feat was part of the Navy's Pacific war game maneuvers, veiled with great secrecy.

definite figures for the North Carolina quota of veterans are not immediately available, it is contemplated that the number of war veterans to be selected will be from 500 to 600, including both white and colored, and he adds that applications of all veterans permanently residing in North Carolina should be forwarded as promptly as possible to the Manager, Veterans' Administration, Charlotte, N. C., that applications (Form P-130) must be submitted IN DUPLICATE.

All veterans who may be interested are reminded of the importance of making inquiries or forwarding their applications at the earliest possible date. The Charlotte office of the Veterans' Administration will give prompt attention to individual

inquiries of veterans, by letter or otherwise. However, veterans are cautioned that it would be inadvisable to incur any expense for personal visits to the office of the Veterans' Administration in Charlotte for the purpose of filing their applications, for the particular reason that it is essential that applications must bear the endorsements of two responsible persons who can vouch for them; and at least one of these signatures should be obtained from an official of an ex-service, welfare or relief organization, and the other should be obtained from a responsible citizen or notary public who is acquainted with the facts upon which applications are based!

Upon the other hand, veterans should make their personal contacts with the nearest office of such organizations as The American Red Cross, Public Welfare, County Relief, or any of the veterans' organizations, such as The American Legion, Veterans of Foreign Wars, Disabled American Veterans of the World War and the United Spanish War Veterans, as well as the National Reemployment Service. To those veterans who desire to handle their cases by mail, Mr. Pittman states that all that is necessary is for them to address a postal card to the Charlotte office, requesting "application Form P-130 for a war veteran," and that all such inquiries will receive prompt attention.

### A Boom

Stockson—You say your mining stocks are worth three times what they were when you bought them? That's astonishing. How do you account for it?

Bonds—Waste paper has trebled in value since I made the purchase.

# INDUSTRY . . . . .

## MUST KNOW ABOUT THE CAROLINAS

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