

Every Admiral Can Now Hear "Bob" Evans Voice Giving Orders, Altho' Miles Away.

HE dawning of the New Year finds its most notable new invention in operation on the high

For the first time in history the wireless telephone is playing an important part in world events. The first genuine telephone central ever established on shipboard at sea is being operated on Admiral Robley D. Evans' flagship, the Connecticut, which is leading the famous 'peace fleet" to the Pacific.

Marvelous as this is-it would have been almost beyond belief ten years ago-it has attracted little much it means to the safety of

In the fiercest gales, in storms at night, and in the densest fogs where the old-time signals are useless, ship may talk with ship or with a dozen ships at once as easily as if they were anchored along a city street.

comforting will be a litle talk, for instance, when Admiral Evens' armada is and torthous*Strait of Magellan an South America, known and dreaded oy langerous and difficult passageway in the world. During its entire length of 300 miles the tide rises over forty feet in six bours and falls twenty

rushes torrent-like along at

Admiral Evans, however, can call p from his emergency cabin, for ustance, the food supply ship Glacier, nd the towering cliffs and canyons.

aves come into the receiver. the straits. All well."

Twenty-eight Now Installed.

"wenty-eight of these wireless feld nin Panther, and Admiral Evans' disatch boat, the Yankton. The Amerian Navy is the first to possess and

To maintain an unbroken and post tive method of communication be ween the Commander in Chief and he rest of the fleet is a stragetical recially under conditions of warfare. as well as in the annual practice of fleet maneuvering. Toward this end the Government after some practical and satisfactory trials has decided to viensively adopt and try the possi-

a long cruise, such as the Atlantic to the shores of the Pacific, will offer exceptional opportunities in exper ties of the telephone

Form Gigantic Chain.

While steaming miles apart, all th tirely separate from its fellows, and By means of this device Admiral wans will be enabled from his emergency cabin camp on board the Connecticut to direct the movements of the whole fleet with almost as much ease as he can give orders to the engineer of his own ship below by means of the speaking jube. Thus the tail end of the last ship maneuvering can understand perfectly what to do and obey instantly the ders, though five or six or more miles the rear of his flag-ship.

After many official tests of the apparatus, the navy has adopted this invantageous in naval service, affording a safe and ready means of intercommunication and the trans mitting of messages and orders along the entire line of vessels, or talking between sea and shore to lightho as the case may be; the latter will ndoubtedly be equipped in the near future with the new instrument

102 102 Advantage in War Times.

been in use on the Connecticut and the Virginia have been employed long enough to demonstrate that it can be used to great advantage in naval strategy and warfare. When the fleet went to Provincetown, Mass., for maneuvering and gun practice last summer the wireless telephone was put on the Connecticut and another on board the Virginia, and the instri ments were subjected to all kinds of tests, and it was found that the wireless phone was of the utmost impor-

In addition some very successful trials were carried on with this new system by naval officers in connection with the inventor, at Norfolk, when both the tactical value and the practical working efficiency for communis cation between ships at sea and signaling over the old flag method was conclusively demonstrated. When the fleet returned from its cruise the results of the experiments with the wireless phone, upon the recommendation of Admiral Evans, the Navy Department ordered that all the principal vessels going to the Pacific. twenty-eight in all, should be equipped with the apparatus. The instruments

The fleet of six little torpedo destroyers, consisting of the Whipple, Truxtun, Hull, Hopkins, Stewart, and Lawrence, which left December 1 in

DR. LEE DE FOREST, Inventor of the Wireless Telephone, Waiting for a Call. tiny crafts, the set of instruments with be encased in a portable waterproof wrought iron box, nearly three feet square and suspended down below the

Will Conquer Many Difficulties.

offset many dangers and difficulties which it was impossible to overcome with the old method flag signaling, which was accomplished by means of the stringing out of a number of flags or by wigwagging. But these methods, while well enough in fair weather and while the ships are in sighting distance of each other, have their disadvantages on dark, stormy nights and in times of dense fogs. As is well known, the fog is the pal man has to contend, as even light does not carry its rays teb feet. Oftentimes and on such occasions, of course, navigation has to be carried on with extreme caution, as the whereabouts of other vessels is a matter of doubt and collisions are at all times

distance of only five miles with the wireless phone, though eleven has been officially accomplished, and twen ty-five unofficially reported, the latter navy yard and a merchant liner of the

Gireless phone most extensively, but the army likewise, as the latter has and submarine school at Fort Monroe, orpedo planter Major Ringgold, which ciass for instruction in the planting f mines for harbor detense. This boat also lows out the target and results and scores of the shooting is at out at sea five miles distant for the carrying on of their work have been

most satisfactorily accomplished.

The army branch, ywing to small pay, has great difficulty in obtaining good wireless operators, and the wi less telephone seems to have abolished the need for their services. The now fairly familiar, since nearly every other sounds, produce waves in the atmosphere, which radiate in space and quiver along aerial wires. While the production and transmission of s is wireless telegraphy, yet in wiremethod of receiving is an entirely dif-

Makeup of Instrument.

The accompanying photograph shows in Admiral Evans' emergency cabin

DEFIANCE HURLED AT FOG AND STORM BY LATEST WONDER

IRST WIFELESS TELEPHONE INSTALLED ON AN AMERICAN

BATTLESHIP.

of the wireless telephone operator of

Crime and Punishment Unknown in 2000 A.D.

reputation, a member of the will not obre smallpon nor will a pen-faculty of one of the world's the the original pen-createst universities, stepped to the cause is the only A faculty of one of the world's from a Pullman car at the Union depot the other day and walked briskly is the splintered old boards would He was exercising. Beside walked they talked. And this is part of what the sociologist said

vords are going to be obsolete some bay. The working vocabulary of 2000 people of that year those two words and the ideas they embody will appear more barbarous than cannibalism now seems, or the stake, or the throwing of children into a molten furnace to appease the anger of a god.

I hate prophecy-it is a fake. love prediction-it is science. Min is a prediction, not a prophecy. curacy; if the biologist, by looking what manner of organism will de for tell accurately and scientific ally? He can. And he fells us that new industrial system is not far off. It is merely the tomorrow of evolution. Upon the heels of the new in dustrial era will come the new morlity-the morality of the superhuma In laici it wil be: Blame nobody for impel him, blame his environment. Punish no one for anything. Cure him instead. Do this by removing the forces that impel him to do evilhange his environment.

"Society, scientists tell us, is an organism. If so, it follows that what one member does is as much the act man's nand or of his foot is the man's All the rest of us constitute the offender's environment. What he is and does we cause him, directly or inirectly, to be and to do.

"There is no more reason, then, for ounisting a criminal than there is for plucking your finger because it But not here in N. Y. develops a sore. There is no more sense in imprisoning a thief or in hanging a mulderer than there is

SOCIOLOGIST of intermetional in beating a smallpox patient, A club

is a st, set as health is a product, set as a good deed is a product. is a product. 'If you will examine as truly manufactured articles as any thing else, and it is because our pres so large a stimulus to that man ture that you may know it to be a

"I have never been fined or im-prisoned, but I never read of crime or day) without feeling that a share of the guilt is mine. Punishment begins does not eradicate. It curses, but

preferred that his identity be not di-alged. "The institution with which am con seted." he said, "draws mel of sea support from men of the expression of vasus so radical. Nevertheless, they are my views, a destiny, not a theory, and they are

SONG OF FALL.

The frost is on the pumpkin (But not here in New York). The corn is husked and cribbed and the hay in mows is high.

The wood-pile's daily growing (But not here in New York). The woodchuck, plump, is whir And the chipmank dames by

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PRIZED ANTIQUES ENDANGER HEALTH!

REMLINGER, head of the Pasteur Institute in Constantino, le, has been making an and curpe's and has published a sumcary of his results in the German Journal of General and Applied Hygiene. He finds that the carpets of the better class, the highly prized antiques or near antiques, constitute a serious menace to health unless they are put through a radical cleansing and disinfeeting process.

The real antiques which have been in use in oriental houses or bazaars for years or ; merations have been exposed to the contagion of countless disease germ. Their texture fits them in a recliar way to gather and retain t les indefinitely.

These ven ine antiques are far less objection ale than the counterfeit ans tiques which have been artificially mellowed. One of the least objectionable methods used to soften the colors in the degree that the European and American market calls for is to bury the carpets in trenches with

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taken up they are little likely to reelve a thorough eleansing. Sometimes the carpets are laid down thus accumulating the bacteria-laden dirt of the Eastern city streets. Or a rug is often lent to a beggar or street vender, who keeps it and sleeps in it until it acquires the semblance

Dr. Remlinger points out that tuberculosis, throat diseases, and catarrh are prevalent in the rug and carpet trade. He is of opinion that they are contracted from handling the fatries and breathing the air in which they are opened and agitated as they are shown to customers. The doctor also expresses the opinion that some otherwise unaccountable outbreaks of tropical enteric disorders that have taken place in Paris were due to in-

fection from oriental rugs. The most thorough and efficient process of cleansing would be disinfection by steam. This would do no harm to the rugs and it is an absolutely certain method of killing bac-He thinks that it should be generally adopted as a preliminary to tise importation of Eastern fabrics into any occidental country.

* The two wireless phones which have

be equipped with the wireless phone. Owing to the lank of room on these

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Not only has the navy adopted the THE WASHINGTON TIMES MAGAZINE