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If you love your friend you will taugh at his joke whether it is funny or not.



the distance over which it may travel, coni company. I am informed that In wireless telephony we convert the modulations of human speech into

business equivalent modulations of the elec-What Holland can do can be done other valuable functions. trical waves, and radiate them through the ether until they strike the nerial equally well in this and other counwires of a receiving apparatus. There tries, and the information radiated of the railways the possibilities of they are reconverted into sound waves need not be confined to financial matsuch as can be recognized by the hu- ters. All that is needed is a fair op- an auxiliary to the ordinary "elephone will be even to sign checks and imman ear. As the ether is so elastic

tion of reception is little more than that of magnifying the incoming sig- the Times newspaper talked by wire- us.

less telephony between Southwold in 1 have suggested that the day has Wireless speech has already taken place across the North Atlantic ocean. but the apparatus employed was of for 50 minutes from the respective wireless receivers has been so greatly an experimental, rather than a com- wireless telephone stations, and a hope increased in recent years that it is

To conduct uninterrupted speech over sea distances similar to that between London and New York will require, at any rate with our presentday experience, considerable power at the transmitting end. Until a fer weeks ago I might have been tempted to estimate this power at the electrical equivalent of over 1,000 horse-power. engaged upon recently on my yacht. the Elettra, lead me to modify my estimate. Hitherto, as everyone con-

in reserve on commercial wireless cirnits a large amount of electrical en. cult.

nany, makes it possible for us to sift immediate practicability of wireless ment. the mixed wireless and non-wireless for trunk routes, whether they be In 20 years the mysterious all-per-

with the wireless telephone, and we the arrangement has given great satis- have numerous instances where these lated into radio-telegraphic impulses, faction and a considerable impetus to instruments have contributed to the which were recorded on the distant sufety of the services, and performed apparatus. The work done along this

We have also demonstrated to one portunity for demonstrating the pos- lines, and it may be that now govern- portant papers through the ether! In as to allow these electrical waves to kibilities and for conducting a similar ment control has been removed from railway operations, some progress will

A few weeks ago representatives of be made along the lines indicated by

Suffolk and Zandvoort in Holland. On not arrived for the so-called pocket that occasion they conversed freely wireless set. The sensitiveness of minutes.

mercial character, and therefore de- that we may be permitted shortly to possible even now to possess portable velopment is necessary before one can show that our experiments between apparatus capable of receiving simulis record transatiantic conversation as Southwold and Zandvoort have a very from high-powered stations many hunpracticato e application, and that by dreds of miles distant, but this is quite

inking up this wireless circuit with a different matter from transmitting the telephone wires at the English and signals. For wireless transmissions it Dutch ends it may be possible for any- is still necessary to raise a wire a one in London possessing a telephone considerable height above the transapparatus to ring up the exchange in mitter, and if serious distances have London, ask for the wireless route to be covered it is also necessary to o Amsterdam, and speak to a corre- have a source of electrical power conding subscriber in Amsterdam. In greater than can be at present this case the telephonic message from veniently carried by an individual. but the experiments which I have been London to Southwold would be relayed How near we have approached the automatically by wireless across the ideal of a portable transmitter was North sea, reconverted to land wire demonstrated by the Marconi commessage between Zandvoort and Am- pany a few months ago when the Lonnected with wireless is aware, we have sterdam, and received in Amsterdam don fire brigade conducted wireless always found it necessary to keep exactly in the same way as a short- telephonic communications between distance call over the ordinary cir- one of their tenders on Putney Leuth and their headquarters at Southwark.

ergy for the purpose of breaking The Angle-Dutch wireless telephone a distance of some seven or eight through terrestrial electrical disturb- circuit operates on a wave length miles. In this case the aerial wire was The sources of these disturb- which permits of very sharp tuging, hung from the branches of a small nces are not always clear, but they and causes no disturbance to the wire tree near the roadside, and the apare such that at intervals during the less circuits employed by the military, paratus employed was stored in day, and notably in the summer paval and air services. It would, in small space at the back of the vehicle, months, they set up in the wireless fact, he possible to multiply these. One thing is certain, the science of receiving apparatus such a din of routes and have quite a number of wireless telephony will not stand still. meaningless noises that it is difficult wireless circuits to the continent Like the scinary telephone, it is passto read the systematically transmitted working in collaboration with the land ing through a period when it lacks official encouragement, and is depend-

This new apparatus, which has been While the experiments at South- ent for its salvation entirely upon developed by engineers of my com- wold are about to demonstrate the those who are engaged in its develop-

Impulses so that we obtain on our au- overland or overseas, a series of experi- vading ether will be surging with hu- navian Peninsuta is in direct tomatic recorders, or in the telephone ments in another part of this country man speech conveyed by ether waves, with America through the use of receivers only the signals sent out by has demonstrated that it is now pos- Whispered conversation with triends newly erected station. the distant wireless stations. I think sible to speak by wireless in one pur- in lands as remote as Australia will on 1852 by McClure Newspaper sym-

litted in material form, but was trans BUSINESS COLLECES D. S. BUSINESS COLLEGE. line opens up a new field. Within a chool of Efficiency. All commercial branche stalog free, 60 N. Main St., Salt Lake City few years we shall probably be transmitting important news pictures over PLEATING & BUTTONS Accordian, S'de, Box Pleating, H-matitchin attona, Buttenholes, Kid Coraet Park fact a signature sent by this method. 40 E. Broadway. has already been recognized as legal

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DEPARTMENT STORES

History of Opium in China

atroduced into China in the Thir.

centh century by Arabs. The intro-

duction of opium smoking was not un-

If the Seventeenth century and came

rom India. The first edict prohibiting

this was by the Emporer Yung Cheng

Linoleums

Linoleums should not be washed

with water often. Water rots the sur-

This One Sounds Lugical

that boy goes in one car and out the

Second Professor-You're wrong.

Two of a Kind.

New Girl (fimhily)-1 s'pose you're

Young Mistress- Bless me. no; 1

First Professor-Everything I tell

'o settle

and Invention.

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inal detection is also interesting in Take your Book Binding--any kind to your in-al renter. Leith's Trade Bindery, Salt Lake. this connection. A criminal's likeness can be sent broadcast to any part of country within the space of a few

The possibility of crim-

SEND TO WALKER'S, SALT LAKE CITY. It is gratifying to know that Amerien has taken the lead in the develop mont of rollo telegraphy. There was recently opened at Rocky Point, Long KEISTER SCHOOL of DRESSMAKING Island, a powerful radio station de signed to make New York the focal point of radio-telegraphic communication throughout the world. "his pow Send to THE KNOWLTON SHOP, 543 S. Main erful transmitter, the aerials of which r everything pertaining to making of Dress-Hemstliching, Flaiting, Buttons, B't'n Holes are supported by no less than seventytwo 410-foot steel towers, and spread over a space of ten square miles Oplum for use as a medicine was

will enable this country to communiente with six foreign nations simultaneously. Besides this we have sex eral other transatlantic stations and one transpacific station.

Although the United States has taken the lead in the development and application of radio telegraphy, Eugnd, France, Germany and Japan are oy no means overlooking the value of this kind of communication, England ins already started to carry out an face and maker places for microbes ambitious plan which will give her an "All Red Chain" of wireless stations throughout the world. Japan recently completed the erection of a awerful transmitter which places has

in direct touch with points as far disant as the United States, Germany's other. owerful Nauen station represents the latest advances in the art and keeps Sound can't cross a vacatum .- Science her in constant touch with the com mercial activities of America. France Las provided herself with a number

of efficient rudio stations for wornt wide communication. The Seand

ion t know a thing about it. New Giff Then we'll get on famousg. tuyun 1 don't either.

screen of snow struck a tren him "Ship!" he halled. "Al

ahead, sir! Ship!" The shout of quick echoed to him from the h

ship materializing from

derfoot he could feel a nev the deck; the engines, stopped, were being set ful But Number 25, tern. sheering off to right or left i collision, steered straight

The struggle of the engin the momentum of the ferr others had seen the gleaming at least, had heard the hall. per's instant decision had te starboard; he had bawl the wheelsman, "Hard ov though the screws turned Number 25 steered straight flurry was blowing before again: back through the sna shronged shimmer ahead Alan leaped away and up to house.

Men were struggling there per, a mate, and old Burr. held the wheel. He clung to one in a trance, fixed, stari his arms, stiff, had been hol ber 25 to her course. Th struck him and bent him at the mate tugged at the wh was torn from the wheel no made no resistance to the blows; but the skipper, in struck him again and knoch the deck.

Slowly, stendily, Number sponding to her helm. The ed away, and the beam of came beside the beam of steamer; they were very clo close that the searchlight. turned to keep on the oth shot above its shimmering lighted only the spars; and, for rose and fell between ships sucked choser. Number than effort; it seemed opp all the power of its screws s fatally drawing it on-oppo the last resistance before gi Then, as the water fell again seemed to slip and be drav the other vessel; they mou by side . . . crashed . crashed agaia. That see threw all who had nothing t fat upon the deck; then N