

LATEST DISCOVERIES IN WIRELESS TELEGRAPHY.

THE latest information that comes to us from Signor Guglielmo Marconi, the young and famous wizard of telegraphy, is that he has finally succeeded in preventing other people from stealing his thunder, but his lightning. In other words, he

steering it without a hitch wherever he will by a receiving apparatus which acted upon a set of magnets and manipulated the rudder. Again, they are not only telegraphing without the use of direct wires, but also telephoning, and it is expected that

springs of nature itself and its vastest phenomena, we may be prepared for any development short of communicating with the planets and the stars. There are some sanguine individuals, even, who predict that we shall some time be enabled to communicate with Mars and

means of fires and beacon lights on towers and mountain tops, and it is claimed that this system of signaling was brought to perfection 200 years ago. A working telegraph (by semaphore) and a code was in use during the French revolution, as early as 1792, and

Morse register and made great improvements in electric telegraphy. It was in 1837 that Morse's telegraphic instrument, so simple and efficacious that it is used in a modified form today, was first exhibited, and that same year Steinheil's telegraph, extending 12 miles, with a single wire and the use of the earth to complete the circuit, traced lines and dots on ribbons of paper. Many great minds were engaged upon the problem of telegraphy when Morse filed his caveat for a patent in 1837, and that very year Wheatstone and Cooke in England took out a patent for an instrument of their own.

It is just 60 years since a patent was granted Morse for his telegraphic instrument and 55 since he brought it into practical use over the first line between Washington and Baltimore. Since then has come the vast development of the land lines and the submarine cables—the first of the latter, by the way, having been laid between Governors Island and the Battery, New York, and almost immediately carried away on the anchor of an intruding vessel.

As with the discovery, or, rather, the development, of telegraphy by means of wires and cables, so it was with this latest and in some respects more wonderful science of wireless telegraphy. It is a question for experts to decide whether Faraday or Henry was the true discoverer of electric waves or the propounder of a theory respecting their propulsion, but Clerk Maxwell, the Scotch physicist who died so late as 1879, crystallized their theories into fact by his extensive experiments and proved that the waves or undulations of electricity could be transmitted through the air in the same manner as light and with the same rapidity.

A German scientist named Heinrich Hertz verified these theories and experiments, carrying forward the work to the time of his death in 1895, and made such progress that the undulations were named, after him, "Hertzian waves." The Russian Popoff successfully sent messages by them five years ago, in 1895; Branly and Dueset, Frenchmen, invented receivers for registering them, so that men of several nationalities are entitled to the honor of having established the law that governs the phenomena. Suddenly there appeared one of another nationality, an Italian named Righi of Bologna, who had hardly published his account of some improvements he had made when his laurels were wrested from him by his pupil, Guglielmo Marconi, then only 21 years old. It may have been by intuition, or from a remarkable grasp of the subject, but there is no doubt that Marconi, like the great American inventors, Thomas A. Edison and Nicola Tesla, is a "natural born genius," and was able to advance farther than any of his predecessors. He availed himself of all the inventions and discoveries that had been made before and has been declared a "practitioner," rather than an inventor. But, whatever his peculiar gift, whether as an originator or adapter of other men's inventions, it was through him that wireless telegraphy received its greatest impetus.

No one can claim the glory of achieving this great discovery, and it might seem unjust to grant one a patent, and refuse it to another. In fact, the validity of Marconi's patents has been questioned in some particulars, the French, for instance, advancing the claim for precedence in the practical use of electric waves for transmission of messages, and especially for M. Branly's invention of the most essential feature of the receiving instrument, the "coherer." Indeed, the history of all past discoveries of like magnitude teaches us that the individual is entitled to the cumulative impulse of the century or the cycle is everything. For a few years, say for the duration of a patent, one man or company may control the invention and receive his unearned, but in the end the world will be the beneficiary.

However, it was Signor Marconi, a Florentine by birth, but whose mother was an English woman, who gathered all the threads of the various inventions together and placed them before the public as a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

the public as a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

The present status of wireless telegraphy is a concrete whole. Instead of trying to prove or disprove the theory of wave propulsion or propagation, he started out by accepting it as a hypothesis, and, assuming that messages could be sent by them a hundred yards, there was no reason why they could not be sent a thousand, or as many miles.

He finally succeeded in perfecting an apparatus by which theoretically he could send a message through the air at least a hundred miles, and then began his task of working up to its realization. He readily convinced the Italian government to the extent of receiving its support and the adoption of his device for use in its navy. Then he went to England, where, though at first unsuccessful, he finally proved to the British admiralty the immense value of his achievements, and they were adopted in the fleet maneuvers by which a supposititious transport bringing supplies from Canada was discovered 50 miles away by the convoy sent in search of her, attracted great attention at the time, and his subsequent establishing of uninterrupted communication between the shore and the Prince of Wales yacht while on a cruise set the seal of approbation upon his scheme.

Although yet a young man, only 25 years of age, Marconi has been the recipient of high honors from scientific societies and of substantial emoluments and decorations. His visit to this country last year, when, on the occasion of the International Yacht race, he fully established the reputation of his system by flashing more than 1,000 words from a moving steamer to the receiving station at Navesink, and the subsequent recognition he received from our government, may be recalled in this connection.

GETTING TOO NEAR HOME.

An amusing story comes from York-shire, England. A local socialist lecturer was spouting away like the intellectual whale that he was not and had passed from the main tenets of socialism to a consideration of communism in property. From the way he talked one would have supposed that he owned the whole world and was ready to give half of it to his brethren to divide among themselves. As he paused to take a drink a cutter in

the crowd put a question, "But, socialist, mean, then, that if that's the case, the 'cutter' is not?"

The lecturer smiled as he said, "Well, if that's the case, the 'cutter' is not?"

"If that's the case," pursued the lecturer, "would the 'cutter' be?"

"Ah," returned the lecturer, smiling, "this should be a cut for brother."

"If that's the case," still went on the cutter, "I should be one, then?"

The lecturer smiled no more. "The shut thy face," he said, "the 'cutter' has gotten too close."

The deserts of Arabia are especially remarkable for their piles of skulls which are raised by the "shirazis" and have a very close resemblance to their appearance to waterpots.

while on voyage from Ship Island, Miss. for Peapack, France, with cargo of pitch pine logs. A passing vessel saw her on fire about Dec. 2 and she was last reported Dec. 12 at 40° north, 20° west, burned away and sunk.

Derelict American schooner Joseph Southern of Boston, sailed from Buzzards Bay, for home port Dec. 1, 1899, with cargo of lumber. Captured and turned bottom up, was discovered by Red Star tug Argus at noon Dec. 1, 1899, 25 miles east by north of Cape Henry, which tug sailed by United States steamer Dispatch, towed her to Norfolk, arrived at 10 a. m. Dec. 2, 1899. The Dispatch discovered the vessel first and intended to blow her up, but offered to assist Argus if she desired to take her into port, with the result that derelict was righted at Norfolk navy yard and subsequently towed to Boston, where she arrived Jan. 5, 1899.

Derelict American schooner Laidley, G. Potter of Greenport, N. Y., sailed from Boston for Norfolk Dec. 2, 1899. Anchored off Sandy Hook at noon on the 25th in a heavy gale and storm, parted anchor chain and drifted out to sea on the 27th, when she was discovered by the Red Star tug International, which found her at noon, Jan. 13, 1900, taking her to Delaware breaker yard, where she was righted and towed to Philadelphia after the disaster.

British brigantine Hyaline on voyage from Nova Scotia to Barbadoes with cargo of lumber and codfish lost her derelict and filled with water. Crew rescued at great peril by Red Star tug Argus at 10 a. m. Dec. 1, 1899, in latitude 45° 40' north, longitude 25° 30' west. Her fourteenth report puts her in latitude 45° 30' north, longitude 25° 30' west, on Aug. 14, 1899, when the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.

Setting fire to an abandoned vessel does not always send her to the bottom, but, on the contrary, often, it is found leaving her more a menace than help, by destroying the masts, spars and rigging, the upper works, while the ship is in the water so low in the water as to be difficult of discovery. Half way across the Atlantic, for instance, the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.

Setting fire to an abandoned vessel does not always send her to the bottom, but, on the contrary, often, it is found leaving her more a menace than help, by destroying the masts, spars and rigging, the upper works, while the ship is in the water so low in the water as to be difficult of discovery. Half way across the Atlantic, for instance, the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.

Setting fire to an abandoned vessel does not always send her to the bottom, but, on the contrary, often, it is found leaving her more a menace than help, by destroying the masts, spars and rigging, the upper works, while the ship is in the water so low in the water as to be difficult of discovery. Half way across the Atlantic, for instance, the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.

Setting fire to an abandoned vessel does not always send her to the bottom, but, on the contrary, often, it is found leaving her more a menace than help, by destroying the masts, spars and rigging, the upper works, while the ship is in the water so low in the water as to be difficult of discovery. Half way across the Atlantic, for instance, the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.

Setting fire to an abandoned vessel does not always send her to the bottom, but, on the contrary, often, it is found leaving her more a menace than help, by destroying the masts, spars and rigging, the upper works, while the ship is in the water so low in the water as to be difficult of discovery. Half way across the Atlantic, for instance, the Norwegian bark Homestead placed her on board of her and sent her to New York. She has been seen five times since, the last time on Sept. 13, in latitude 44° 40' north, longitude 25° west.