

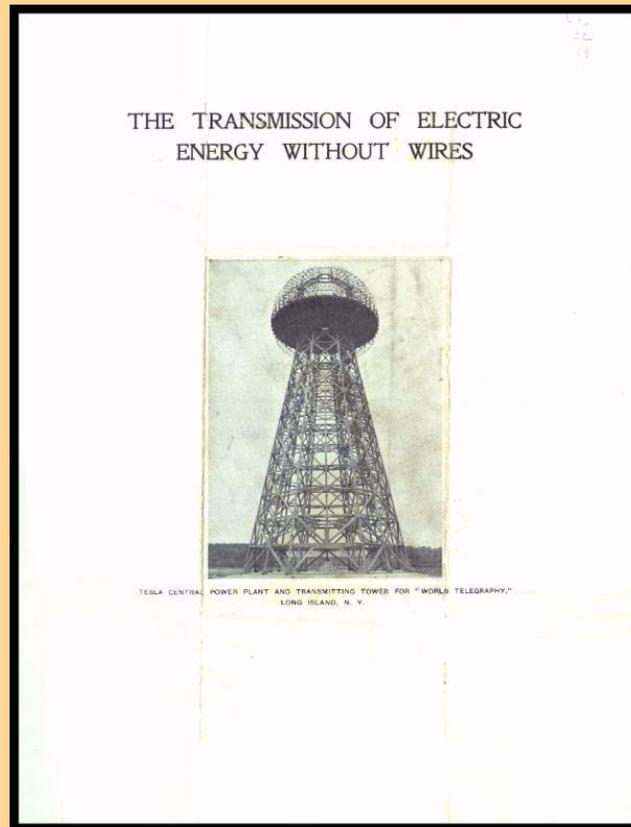


Item of the Week *from the* Long Island Collection

LONG ISLAND COLLECTION

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EAST HAMPTON STAR ARCHIVE



The Transmission of Electric Energy Without Wires, 1904

Whether or not you possess a keen interest in American automakers or intriguing historical figures, chances are you're familiar with the name "Tesla." Nikola Tesla (1856-1943) was a Serbian-American inventor, engineer, and physicist best known for his contributions towards the development of an induction motor that operated on alternating current (AC), an electric current that periodically reverses its direction, unlike direct current (DC), which flows in only one direction. AC is used to deliver power to our homes, businesses, etc. So every time we turn on a lamp or plug in a coffee pot, we're utilizing alternating current. Battery operated electronics, such as cellphones, flashlights, etc., use direct current. Tesla, Inc. (originally Tesla Motors) developed its Tesla Roadster using an AC motor taken directly from Nikola Tesla's design and was the first production automobile to use lithium-ion batteries with a range greater than 200 miles per charge. The above pamphlet is one of two copies in the [Long Island Collection](#) containing The Transmission of Electric Energy without Wires by Nikola Tesla; an article that first appeared in the March 5, 1904 edition of *Electrical World and Engineer*. In it, Tesla describes an experience in Colorado where observing and measuring energy from lightning helped him realize the ability to create energy sources for items with more contained power sources.

The cover of the pamphlet features Wardencllyffe Tower, also known as Tesla Tower, which was an early wireless transmission station designed and built by Nicola Tesla in Shoreham, N.Y. in 1901-1902. Unfortunately, due to lack of funding, the station was never completed and was abandoned in 1906. The tower was later dismantled and sold for scrap metal in 1917. The remaining building became part of a facility for producing photography supplies for 50 years until the site was purchased in 2013 as part of a campaign to build a [museum](#) dedicated to Nikola Tesla.

EXPLORE MORE

[The Digital Long Island Collection](#) is part of New York Heritage Digital Collections. Included are searchable scans of deeds, drawings, etchings, inventories, letters, maps, paintings, pardons, patents, photographs, plans, postcards, prints, sculptures, sketches, textiles, tiles, yearbooks and more to come.

[The East Hampton Star Archive](#) is a fully searchable, online digital archive of our local weekly newspaper, that features each complete issue of the paper from 1918-1968, exactly as it appeared in print. Visit the archive online, for a tour of our Town's history that will fascinate both the amateur and professional historian!

[The Karl Grossman Research Archive](#) is an extensive collection of materials digitized from the personal archive of Karl Grossman, an investigative reporter, columnist, author, and current professor of journalism at SUNY Old Westbury. The archive brings together a decades long career in reporting and journalism with topics ranging from the economy and pollution to fishing and East Hampton Town. Patrons are capable of searching this 6,500+ item collection by collection name, year, title, or keyword search.

[The Local Artist Research Archive](#) is a collection of over 10,000 items digitized from Guild Hall, containing materials including personal letters, photographs, news clippings, and art catalogs concerning artists of the East End. Patrons are capable of searching this archive by collection, title, or keyword search.



Welcome to the Long Island Collection's "Item of the Week." We are an archive dedicated to the history and people of Long Island, with a special interest in all things East Hampton and East End. Unlike some small local history rooms in other public libraries, we have over 100,000 items including, but not limited to, rare books, maps, photographs, deeds, postcards, letters, newspapers, and whaling logs.

We also have a dedicated and hardworking staff ready to help you with any questions you may have. Unable to make it to the library? No problem! We upload images from the collection to **Digital Long Island** on a weekly basis, so there's always something new and interesting to behold.

Please visit us at the Library, make use of our extensive online digital resources, or contact us for assistance. Our public hours are Mon.-Tues. and Thurs.-Sat. 1:00-4:30 p.m.

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