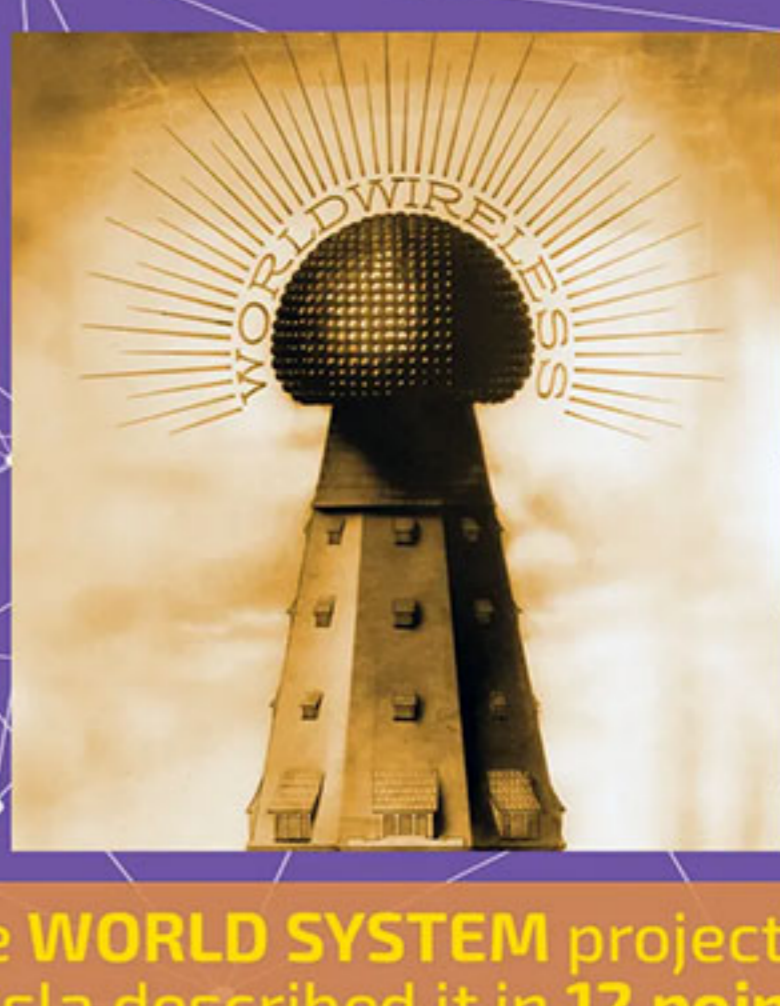


TESLA

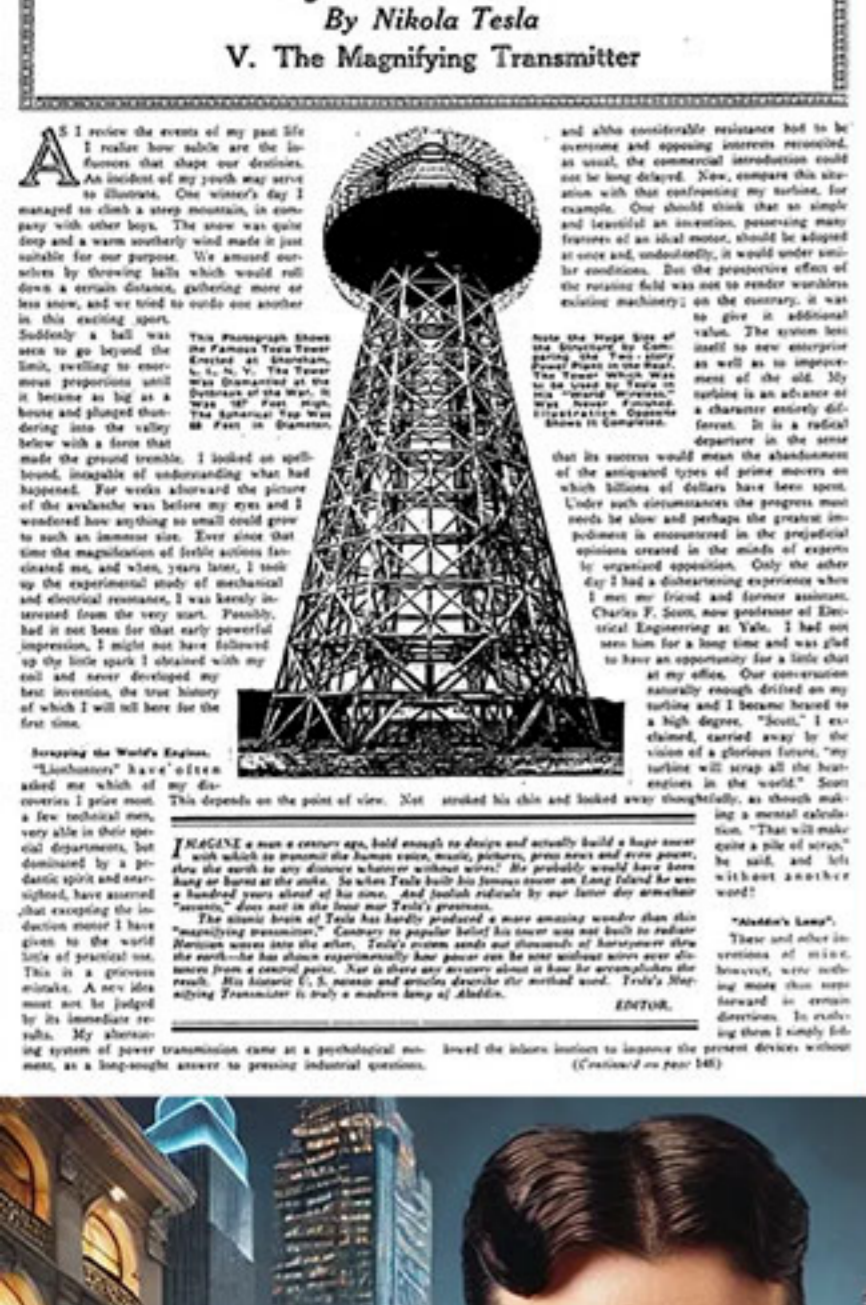
the first to imagine
THE INTERNET

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Author: Ilijanovic.com, 2024

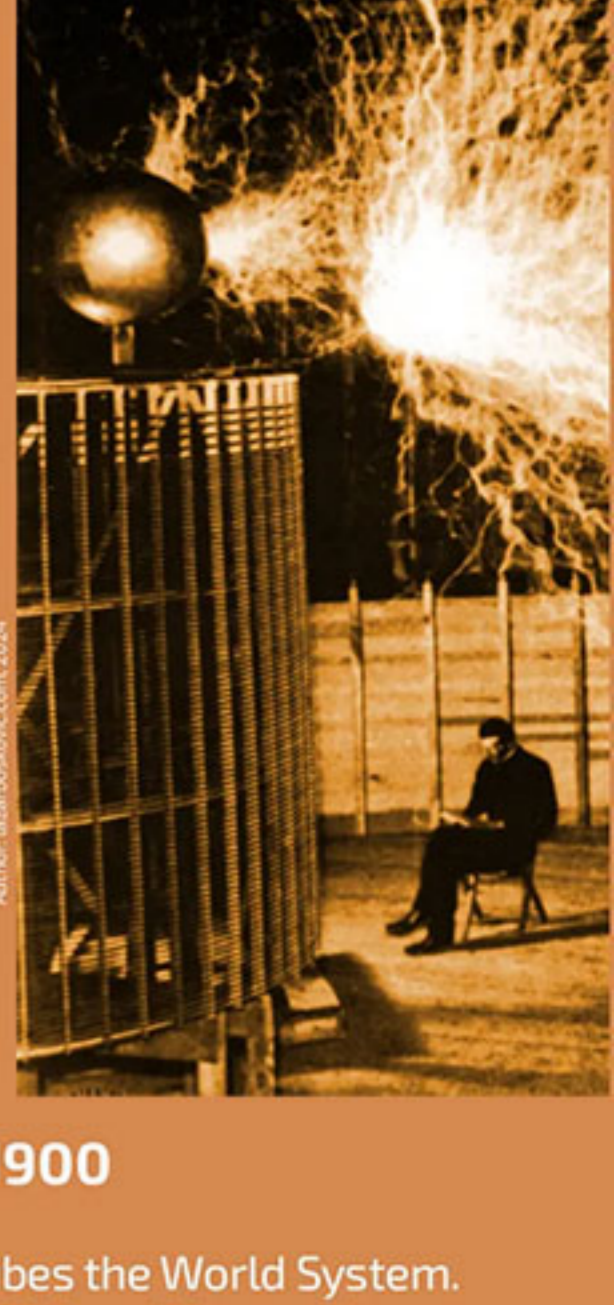
A wirelessly networked world imagined as early as **1900** ... in the **WORLD SYSTEM** project, Nikola Tesla described it in **12 points**



Tesla - The Father of Wireless

At the end of the 19th century, Nikola Tesla had a far-reaching understanding of future social and business needs for **long-distance wireless communication**. And not just as a talented visionary, but also as the **owner of many patents** that would be important for the creation of the internet and the entire digital world - a hundred or more years later.

In his autobiography **My Inventions**, published in 1919, Tesla provides a description of **12 points** of his **World System** wireless transmission project from 1900. The basis of this is the **Wardenclyffe Tower**, better known as Tesla's Tower, whose construction began in 1901. The tower was never completed. All of this has been achieved only with **12 modern technologies**, some of which include Tesla's patents important for the contemporary digital and wirelessly networked world.



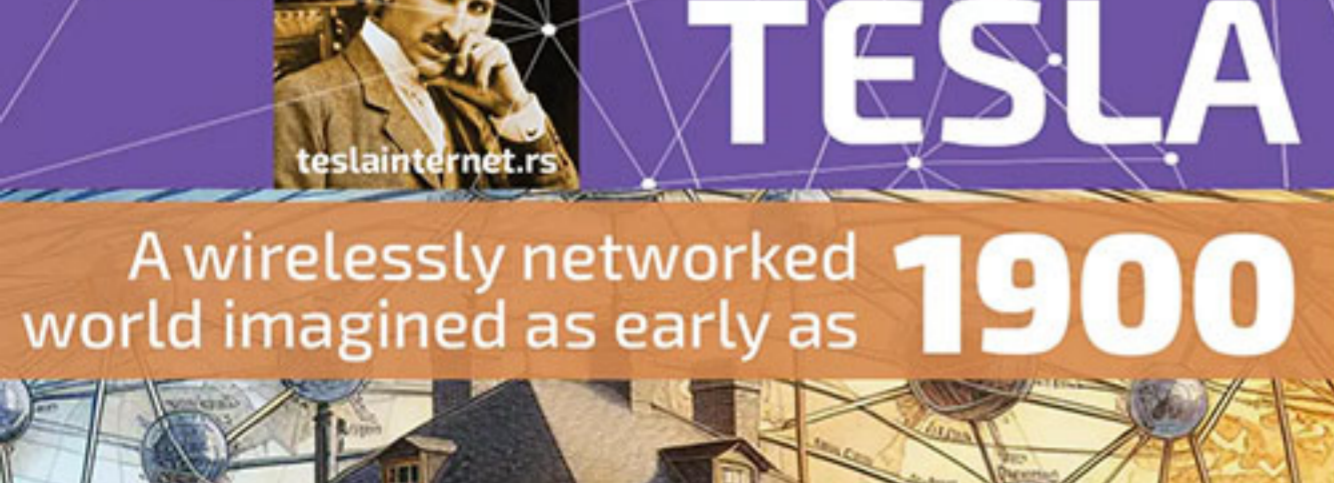
Tesla's World System, 1900

In **12 points**, Nikola Tesla describes the World System. About the **multimedia possibilities** of its use, he says:

“It makes possible not only the instantaneous and precise wireless transmission of any kind of signals, messages or characters, to all parts of the world, but also the inter-connection of the existing telegraph, telephone, and other signal stations...”

“An inexpensive receiver, no bigger than a watch, will enable him to listen anywhere, on land or at sea, to a speech delivered or music played in some other place, however distant.”

The following is a story about the **12 points of the WORLD SYSTEM** and their realization through **12 modern technologies**



A wirelessly networked world imagined as early as **1900**

... in the **WORLD SYSTEM** project, Nikola Tesla described it in **12 points**:



“(1) the inter-connection of the existing telegraph exchanges or offices all over the world...”

TODAY MODERN TECHNOLOGIES



E-mail

Electronic mail and other internet services for digital long-distance communication.



“(2) the establishment of a secret and non-interferable government telegraph service...”

TODAY MODERN TECHNOLOGIES



Digital certificate

Digital certificate provides cryptographically secured digital communication.



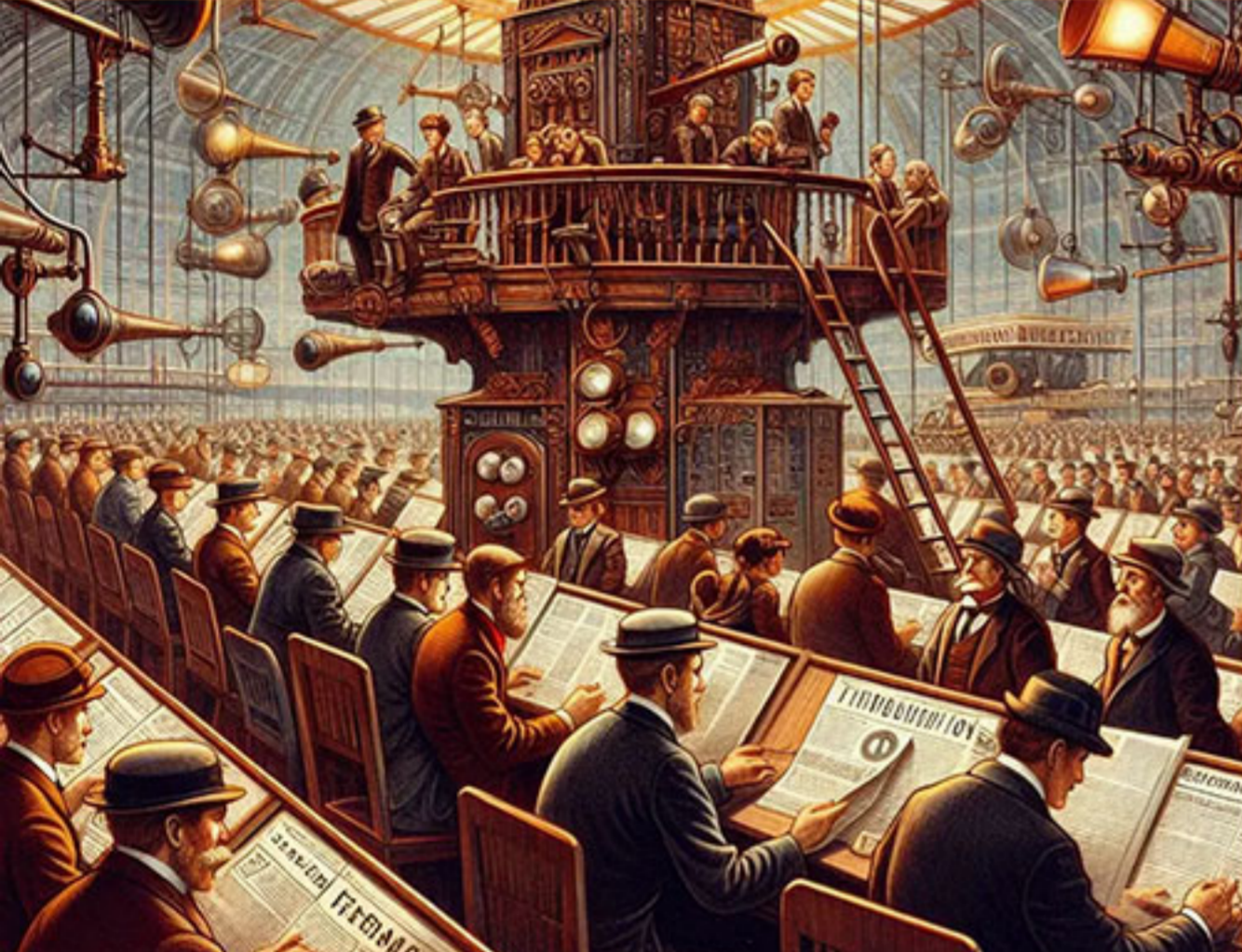
“(3) the inter-connection of all the present telephone exchanges or offices on the Globe...”

TODAY MODERN TECHNOLOGIES



VOIP

(Voice over Internet Protocol)
IP telephony has replaced traditional telephony.



“(4) the universal distribution of general news, by telegraph or telephone, in connection with the Press...”

TODAY MODERN TECHNOLOGIES



RSS

(Really Simple Syndication)
RSS is a format for automatically retrieving information from web locations.



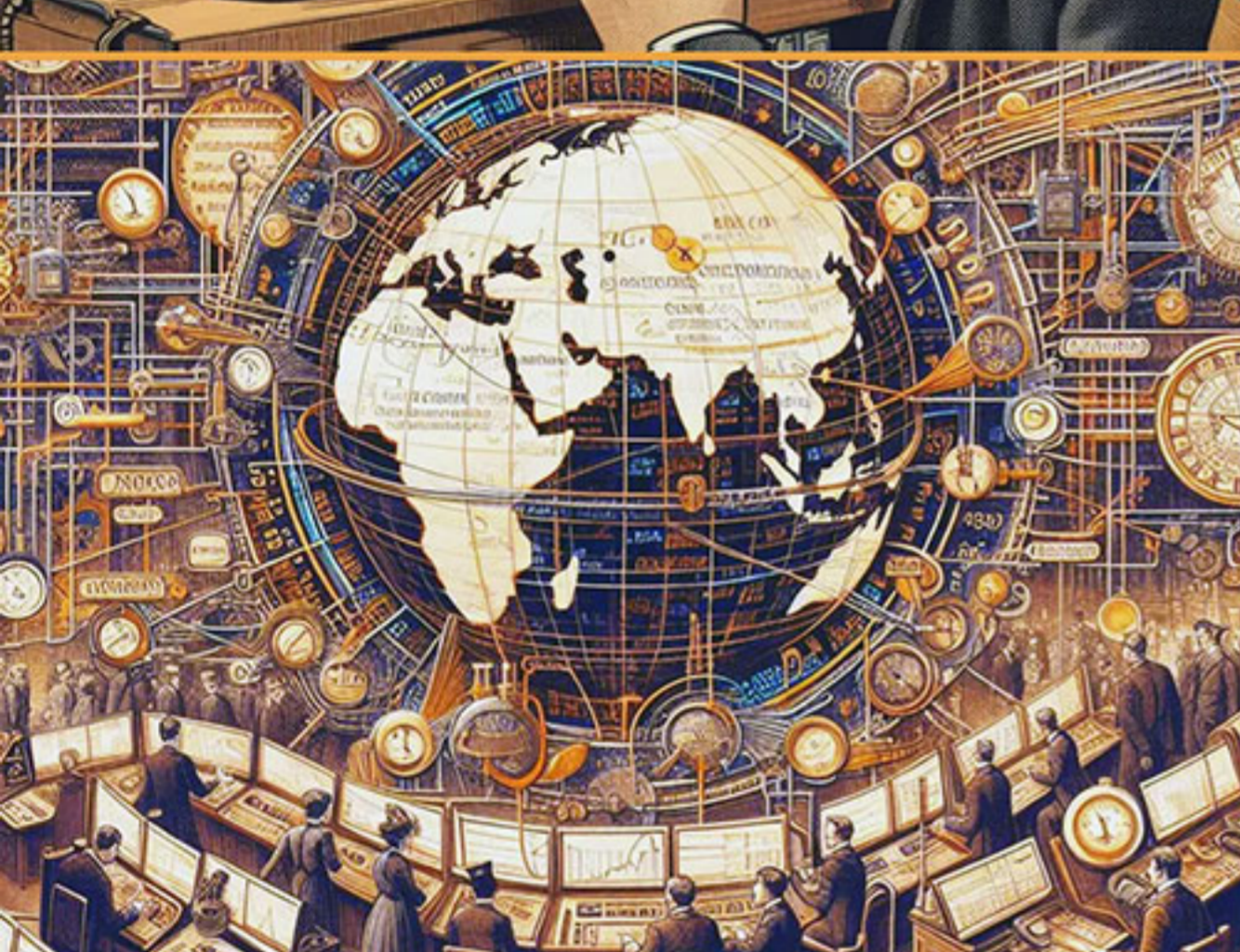
“(5) the establishment of such a 'World-System' of intelligence transmission for exclusive private use...”

TODAY MODERN TECHNOLOGIES



IM App

(Instant Messaging App)
Instant messaging applications transmit text, audio/video calls, and files.



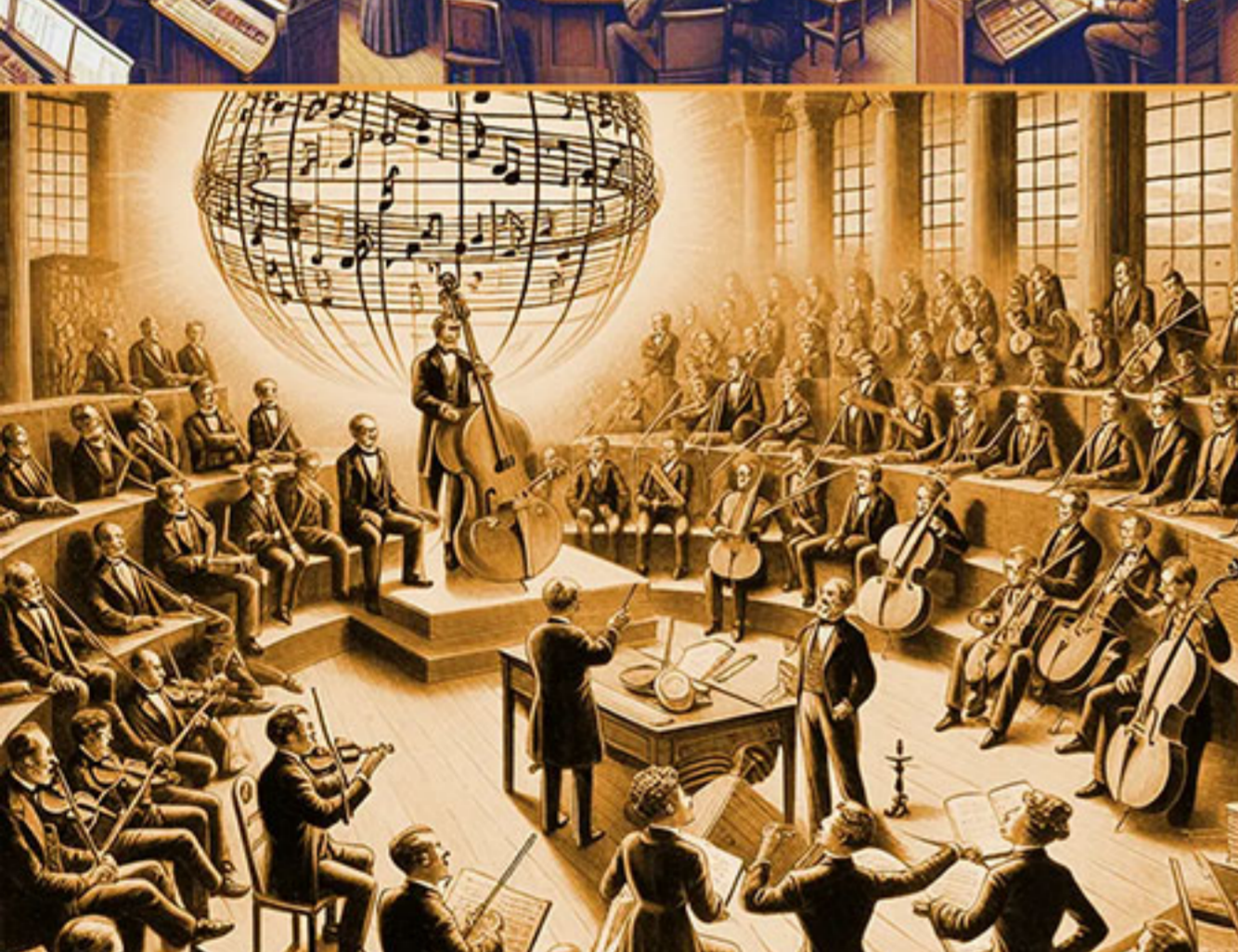
“(6) the inter-connection and operation of all stock tickers of the world...”

TODAY MODERN TECHNOLOGIES



VPN

(Virtual Private Network)
Virtual private networks connect remote locations securely.



“(7) the establishment of a 'World-System' of musical distribution, etc...”

TODAY MODERN TECHNOLOGIES



Streaming media

Streaming media are digital audio/video contents that play immediately.



“(8) the universal registration of time by cheap clocks indicating the hour with astronomical precision and requiring no attention whatever...”

TODAY MODERN TECHNOLOGIES



NTP

(Network Time Protocol)
NTP enables the synchronization of computers time on a network.



“(9) the world transmission of typed or handwritten characters, letters, checks, etc...”

TODAY MODERN TECHNOLOGIES



EDI

(Electronic Data Interchange)
EDI is the exchange of documents in a standard format between business partners.



“(10) the establishment of a universal marine service enabling the navigators of all ships to steer perfectly without compass, to determine the exact location, hour and speed, to prevent collisions and disasters, etc...”

TODAY MODERN TECHNOLOGIES



GPS

(Global Positioning System)
GPS, with a network of satellites, provides accurate positioning (altitude, latitude, and longitude).



“(11) the inauguration of a system of world-printing on land and sea...”

TODAY MODERN TECHNOLOGIES



Digital printing

Digital printing allows for printing in any quantity, on small portable printers.



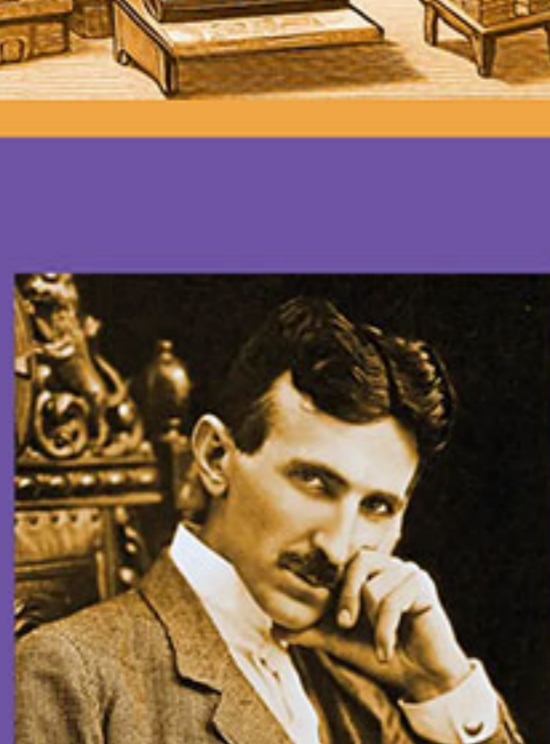
“(12) the world reproduction of photographic pictures and all kinds of drawings or records.”

TODAY MODERN TECHNOLOGIES



FTP

(File Transfer Protocol)
With FTP, prepress files can be sent via the internet to printing shops anywhere in the world.



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IMPRESSUM

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