

---

# Principles of work of the Internet

---

---

# When and how there was an Internet?

The Internet is a global system of interconnected computer networks that use the standardized Internet Protocol Suite (TCP/IP). The terms Internet and World Wide Web are often used in everyday speech without much distinction.



---

# ARPA (1958 )

## Advanced Research Project Agency

United States to create the Advanced Research Projects Agency, known as ARPA, in February 1958 to regain a technological lead. ARPA created the Information Processing Technology Office (IPTO) to further the research of the Semi Automatic Ground Environment (SAGE) program, which had networked country-wide radar systems together for the first time.

J. C. R. Licklider was selected to head the IPTO.

---



**Joseph Licklider**



**Leonard Kleinrock**

---

- The network functioning purpose - exchange of information. An indispensable condition of such information exchange is existence of uniform language which would be clear to each participant. Such language is called as the protocol. The protocol carries out a standard role, it allows to interact correctly to the programs written by different authors for different types of computers and operating systems.

