

1. Who invented WWW?

The World Wide Web was invented by Tim Berners-Lee and Robert Cailliau in 1990.

2. Who wrote TCP/IP?

Robert Kahn and Vinton Cerf

3. Who is the real founding father of the Internet?

Arguably, one or more of four persons: Vint Cerf, Robert Kahn, Lawrence Roberts and Leonard Kleinrock

**1.16** Use your web browser to access a search engine and retrieve the article "A Brief History of the Internet," by Leiner, Cerf, Clark, Kahn, Kleinrock, Lynch, Postel, Roberts, and Wolff. Answer the following questions:

**Solutions follow questions:**

a. Who was J. Licklider, and what was his "Galactic Network" concept?

J. Licklider, of MIT, was the first head of DARPA. In 1962 he envisioned a global network of computers where users could access data or programs from any site.

b. Who coined the term packet?

Donald Davies and Roger Scantlebury of NPL (National Physics Laboratory) in the United Kingdom first coined the term.

c. What (who?) is an IMP?

IMP stands for Interface Message Processor. An IMP is a packet switch and was a key component in the design of the ARPANET.

d. Did the ARPANET use NCP or TCP/IP?

The ARPANET used a host-to-host protocol called Network Control Protocol or NCP.

e. Was packet voice proposed as an early application for Internet?

In the early development of TCP, work on packet voice in particular prompted the separation of TCP into two components: TCP and IP. IP was to provide addressing and forwarding; TCP provided special services such as recovery from packet losses (important for packet voice).

f. How many networks did the initial IP address provide for?

The initial IP addressing scheme provided for 256 networks.