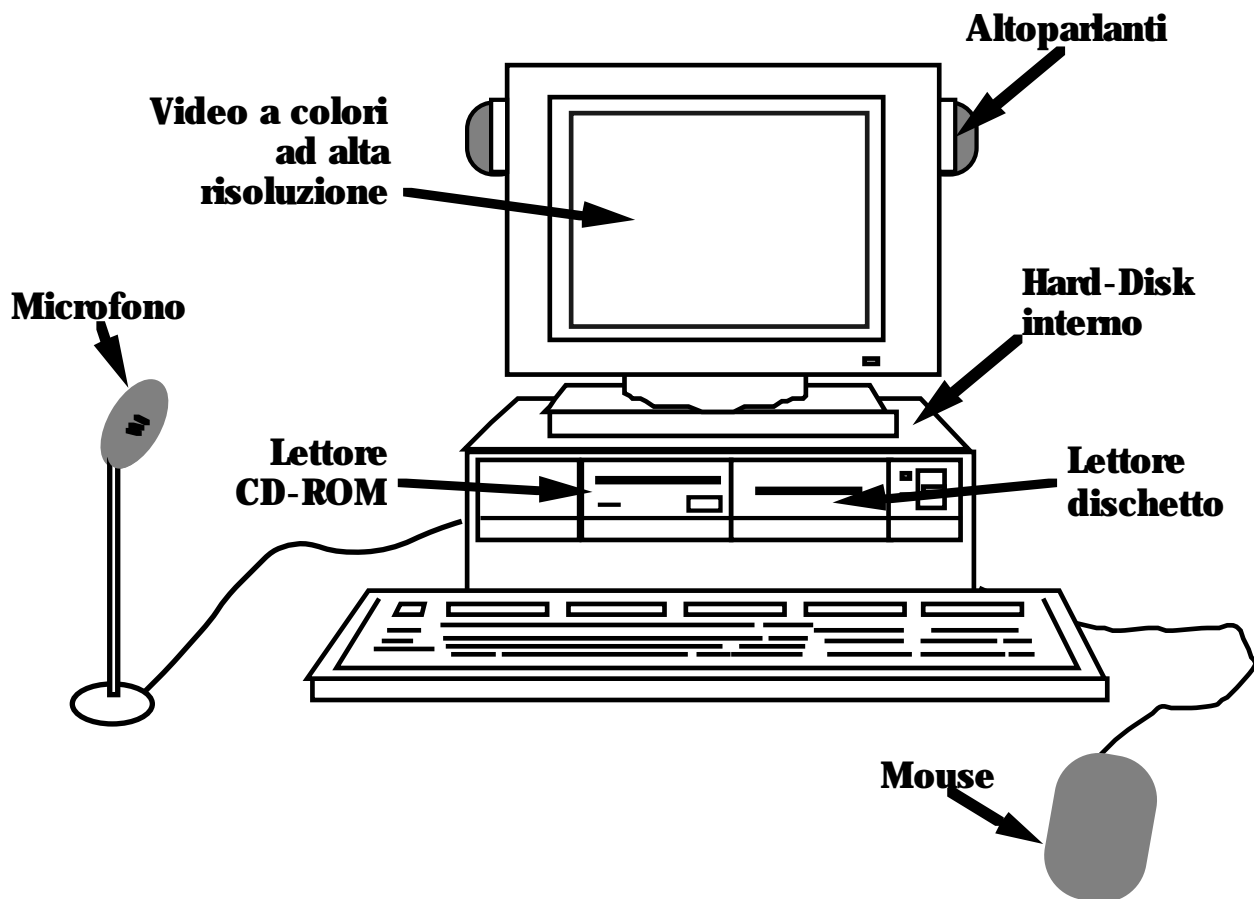


PERSONAL COMPUTER: EVOLUZIONE DEI SISTEMI OPERATIVI (I)

- monoutente
- da monotask a multitask
- da interfaccia a caratteri a interfaccia grafica (desktop)
- da stand-alone a networked
- da single-media (testo) a multi-media (testo, grafica, audio, video)

IL PERSONAL COMPUTER OGGI



INTERFACCIA UTENTE: XEROX STAR

XEROX 8010 Star Information System

User-Interface Design

To make it easy to compose text and graphics, to do electronic filing, printing, and mailing all at the same workstation, requires a revolutionary user-interface design.

Bit-map display. Each of the 627,392 dots on the screen is mapped to a bit in memory; thus, arbitrarily complex images can be displayed. STAR displays all fonts and graphics as they will be printed. In addition, familiar office objects such as documents, folders, file drawers and in-baskets are portrayed as recognizable images.

The mouse - A unique pointing device that allows the user to quickly select any text, graphic or office object on the display.

See and Point

All Star functions are visible to the user on the keyboard or on the mouse. The user scrolling and retrieval by selecting them with the mouse and touching the MOVE, COPY, DELETE or PROPERTIES command keys. Text and graphics are edited with the same keys.

DEPLAY: to enter office objects

MOUSE: select objects, mouse

KEYBOARD: delete, move, copy objects

Productivity under the old and the new

Year	Old (%)	New (%)
1979	~55	~35
1980	~50	~30
1981	~40	~30
1982	~30	~40

Shorter Production Times

Experience at Xerox with prototype workstations has shown shorter production times and lower costs. The following equation expresses this:

$$f(x) = \frac{\iint_A g(x,y) dx dy}{\sum_{i=1}^n w_i(x_i, y_i)} + \prod_j A_j^{c_j}$$

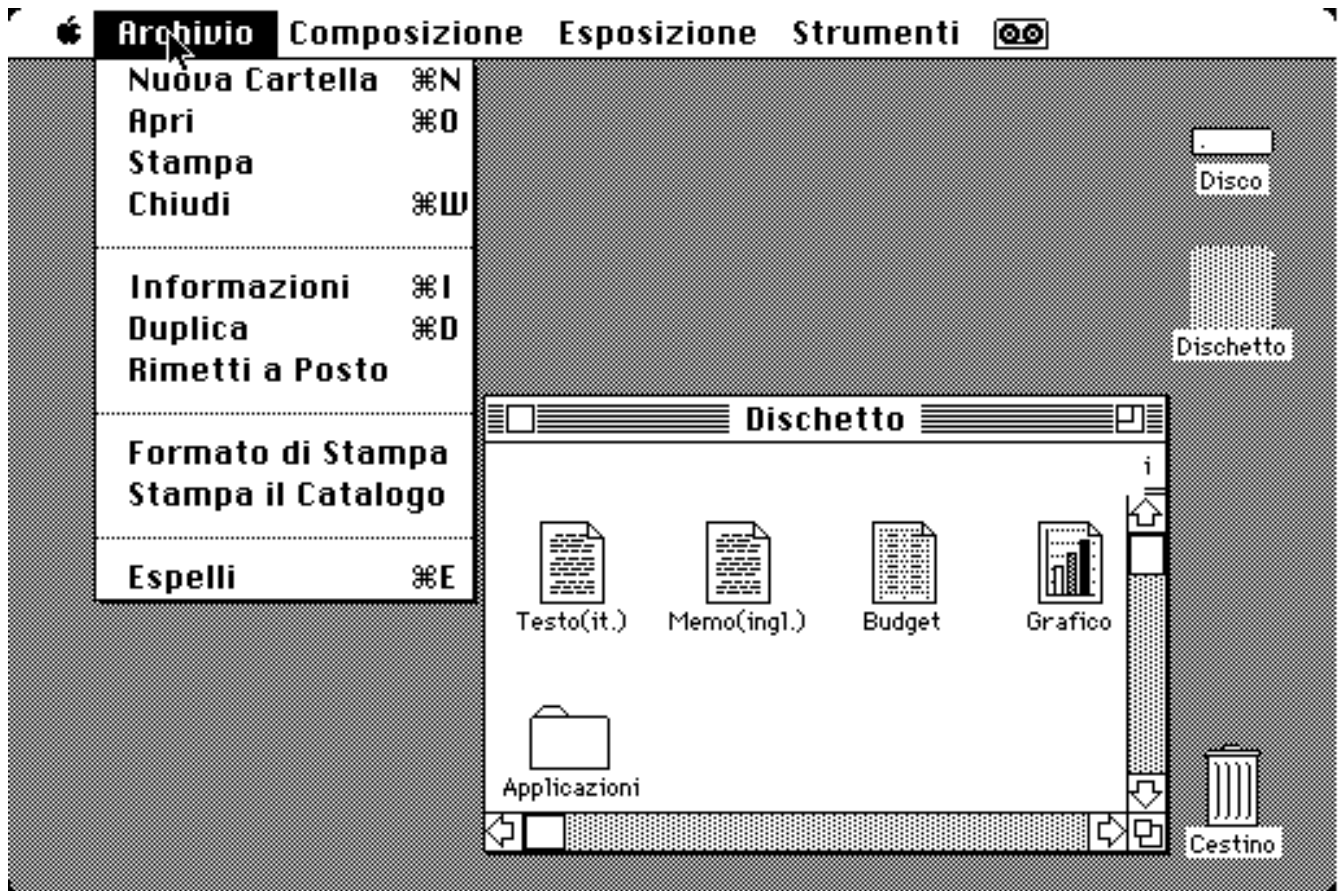
Star users are likely to do more of their own composition and layout, controlling the entire process including printing and distribution.

Text and Graphics

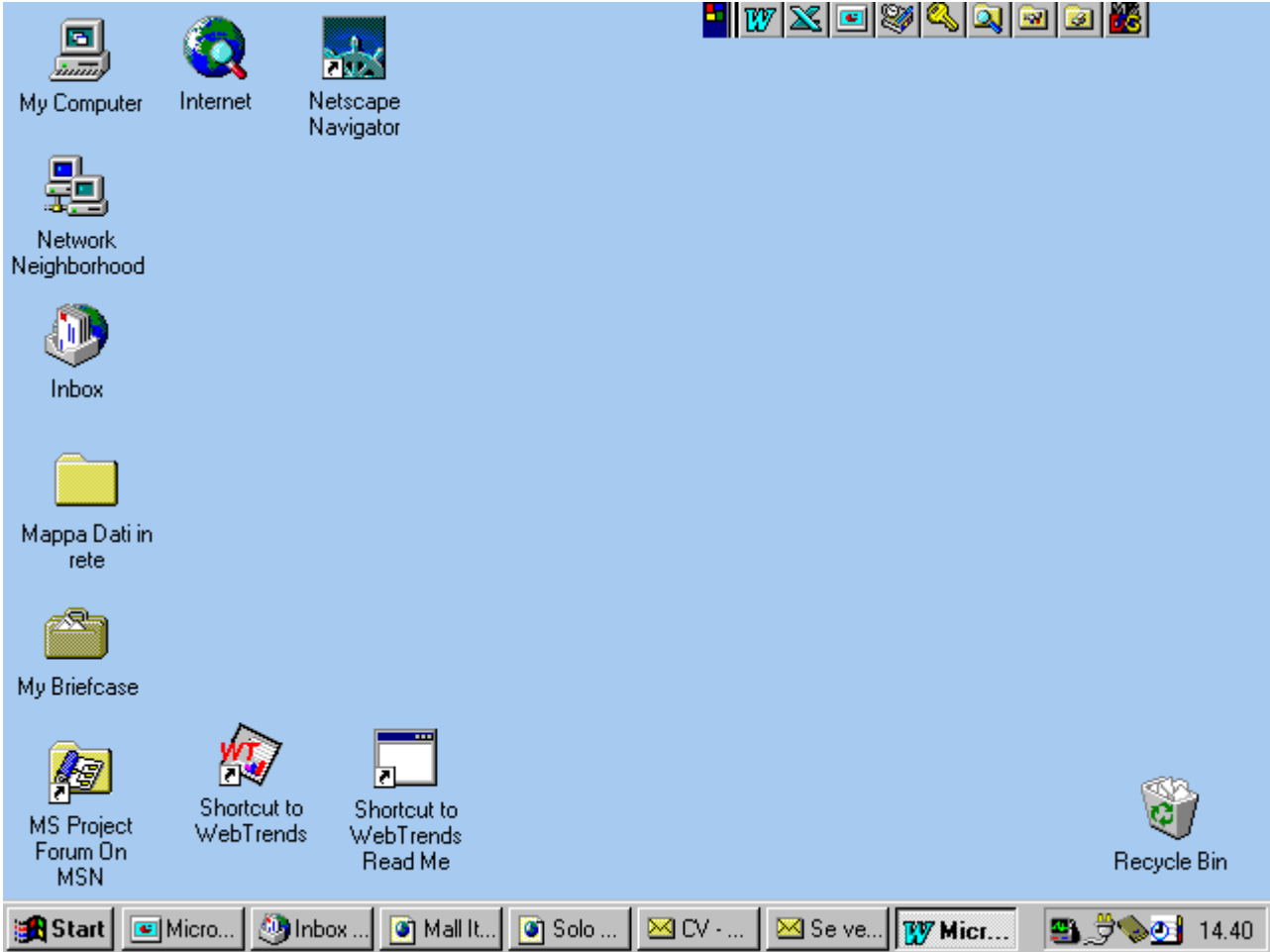
To replace typesetting, Star offers a choice of type fonts and sizes, from 8 point to 24 point.

Here is a sentence of 8-point text.
 Here is a sentence of 10-point text.
 Here is a sentence of 12-point text.
 Here is a sentence of 14-point text.
 Here is a sentence of 18-point text.

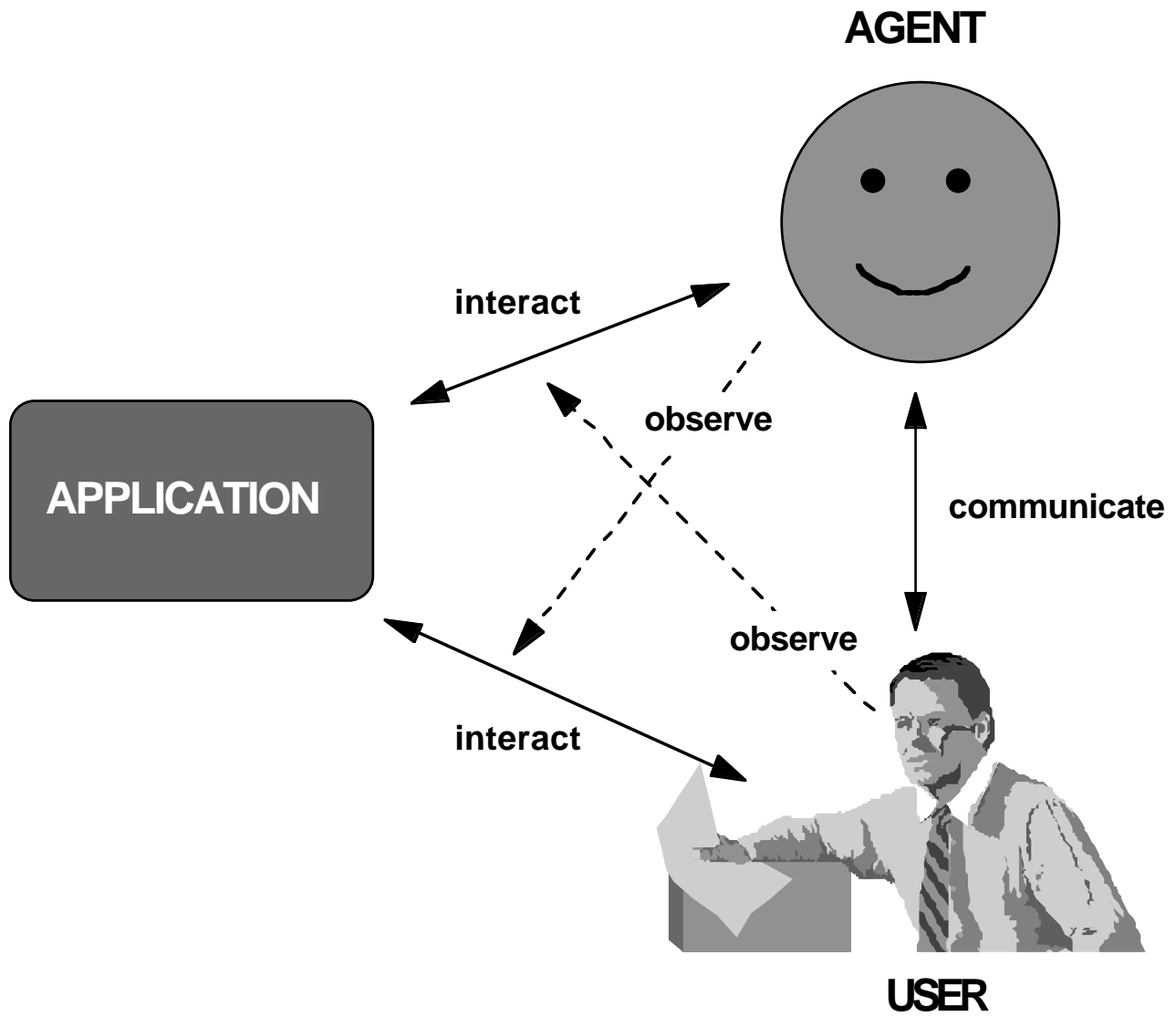
INTERFACCIA UTENTE: MACINTOSH



INTERFACCIA UTENTE: WINDOWS 95



AGENTI



IL PERSONAL COMPUTER DOMANI: SISTEMA OPERATIVO

