

# 1.1. Introduction to e-Business

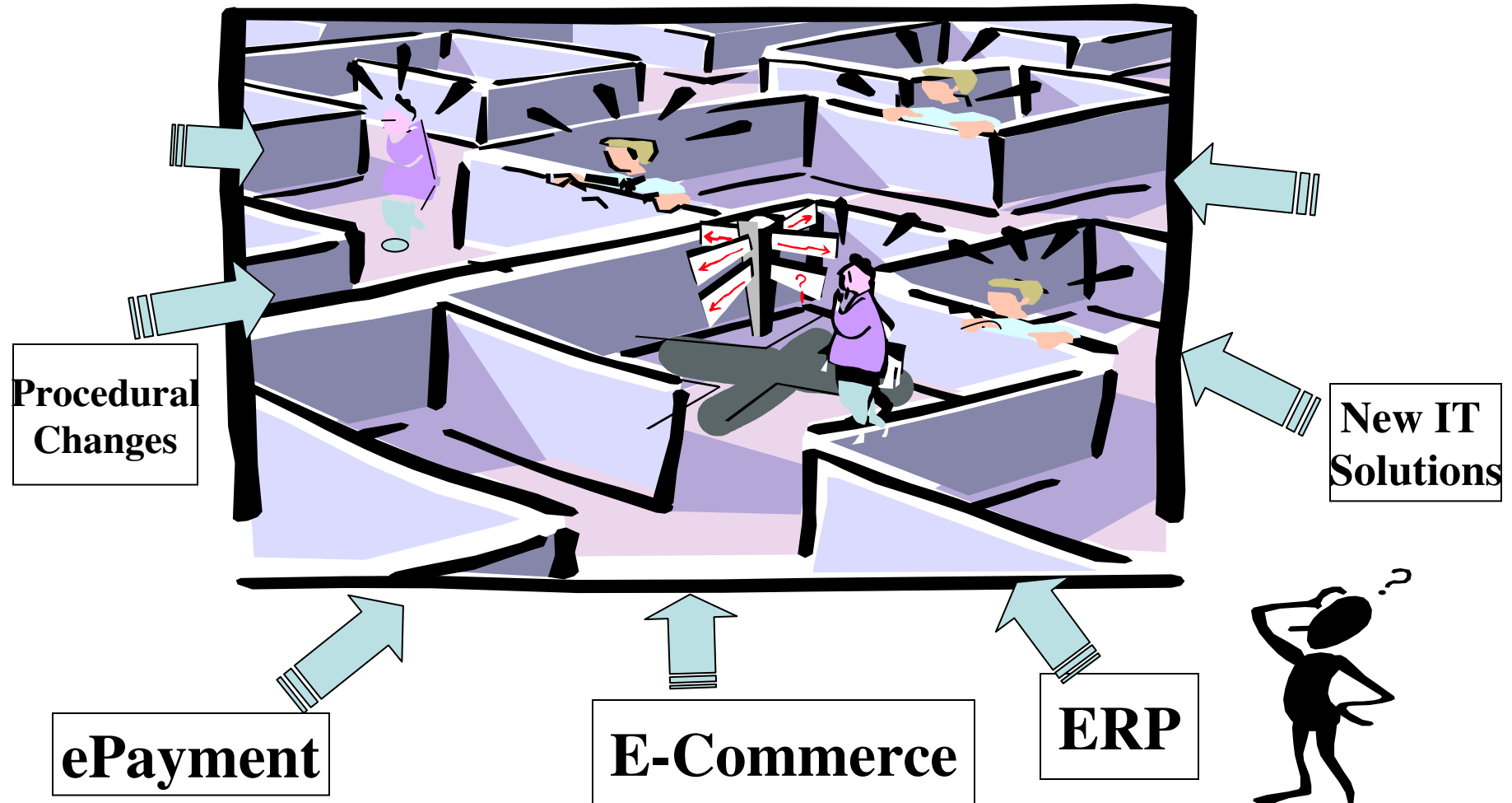
# What is eBusiness ?

- Doing business electronically by completing business processes over open networks, thereby substituting information for physical business process
- Marketing, buying, selling, delivering, servicing, and paying for products, services and information across (non-proprietary) networks linking an enterprise and its prospects, customers, agents, suppliers, competitors, etc.

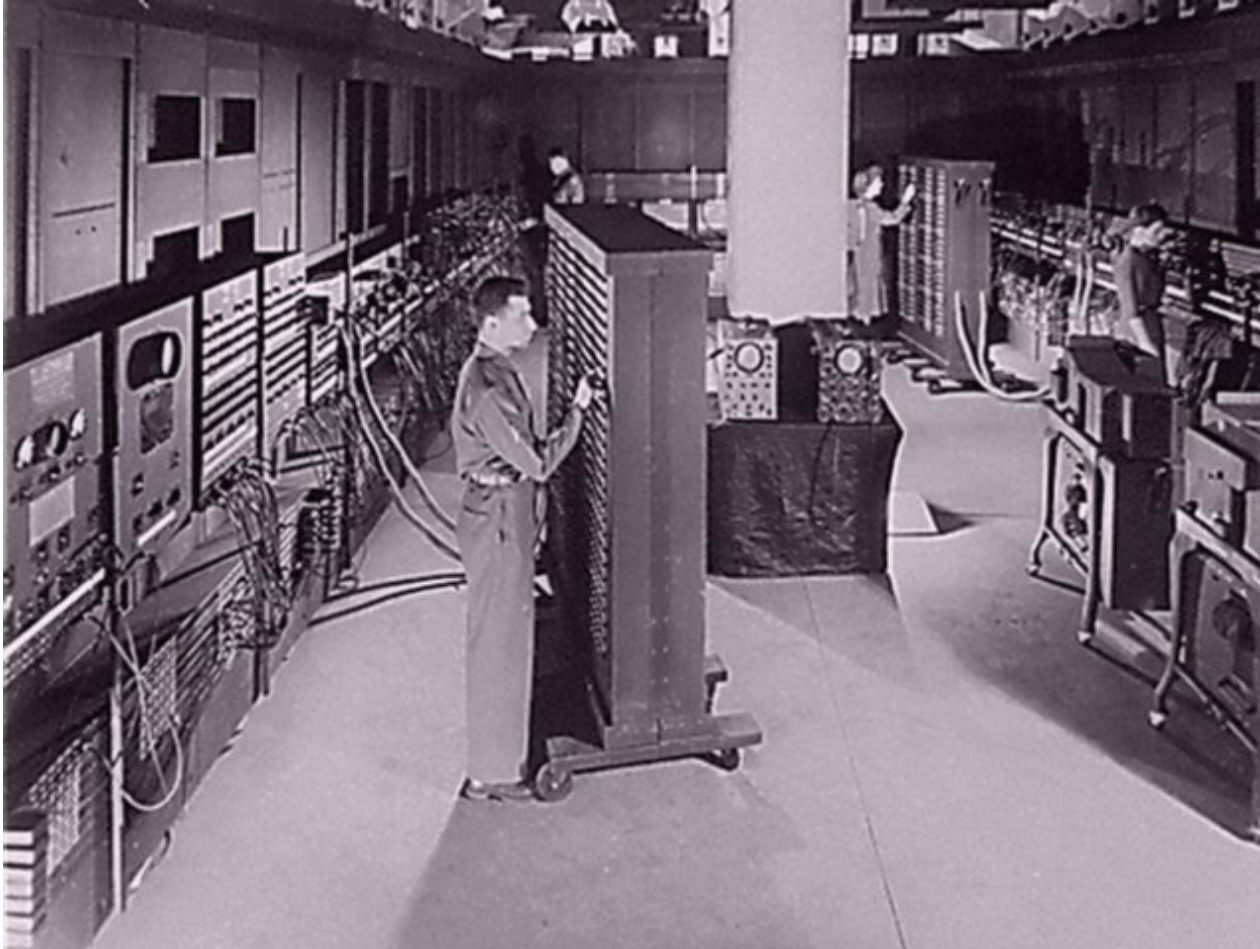
# What is eBusiness ?

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# What E-Business should not be !



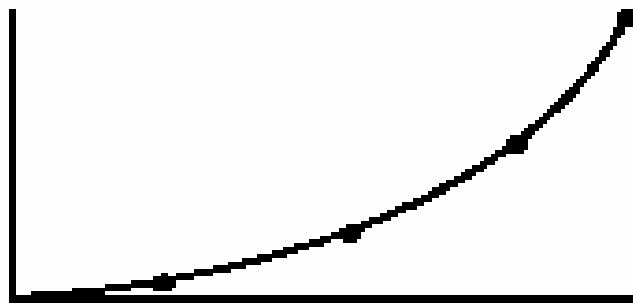
# ENIAC - 1946



The world's first electronic digital computer was developed by Army Ordnance to compute World War II firing tables.

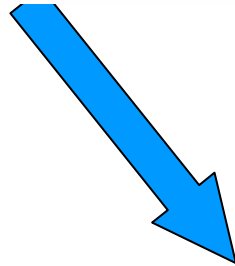
# Enabling Technologies: Computing Power

Microprocessor Power



# Storage Capacity and Bandwidth

Electrical and  
Electromagnetic



**X 10 to 10000**

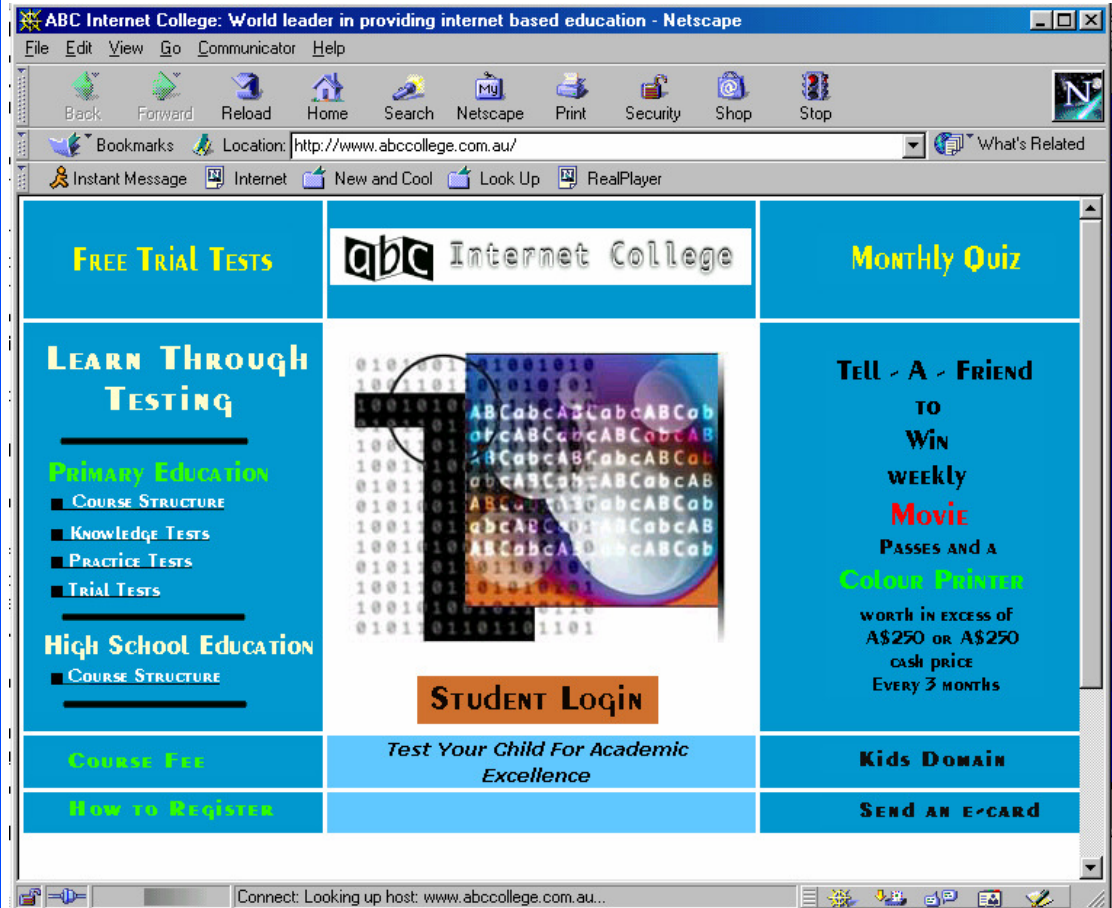
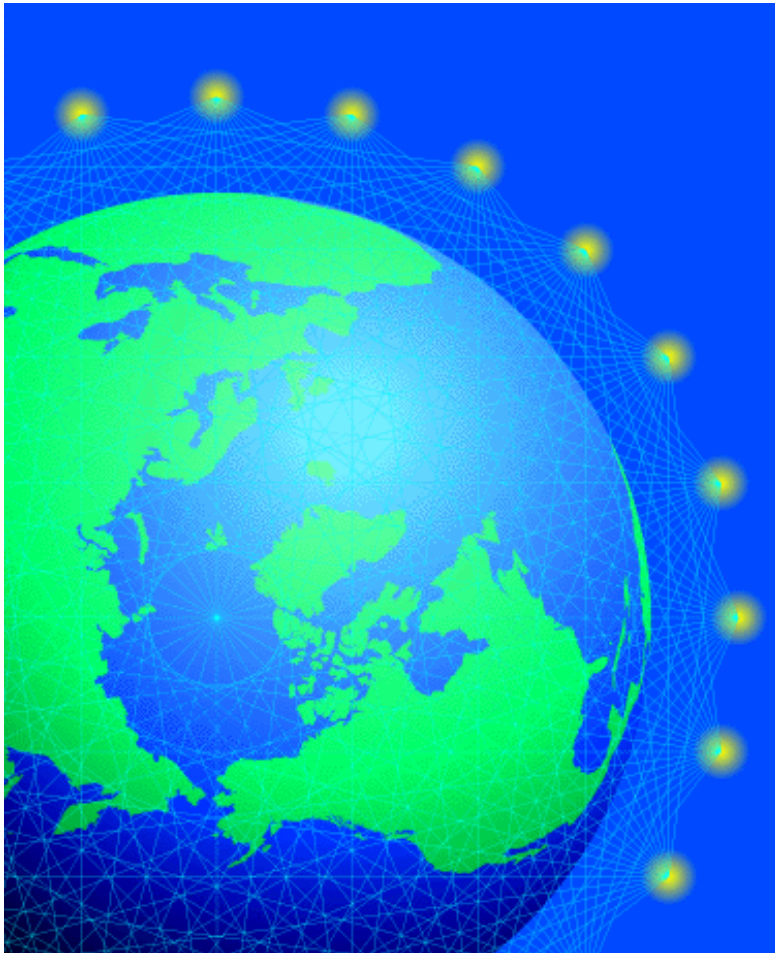


Optical



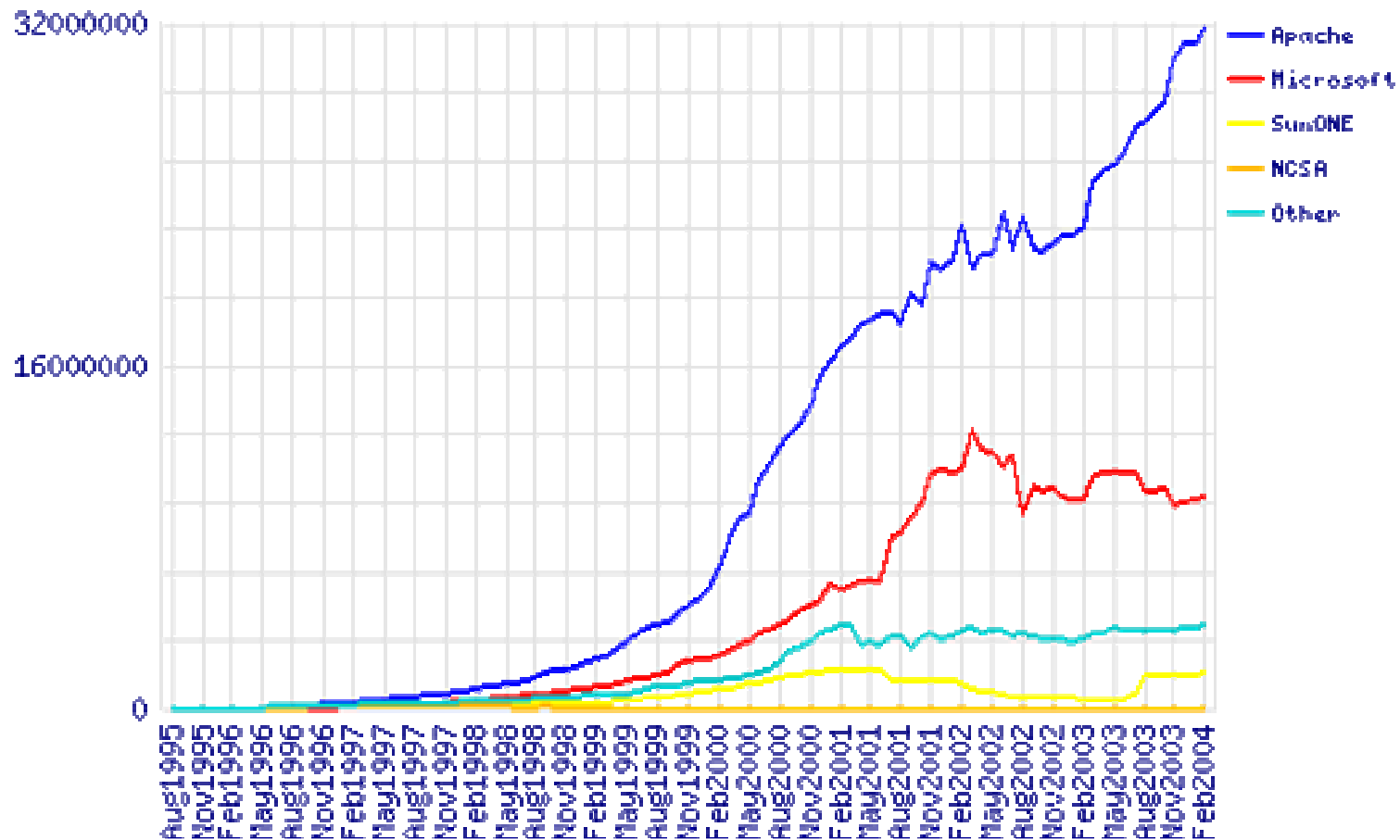


# The Internet and the World Wide Web

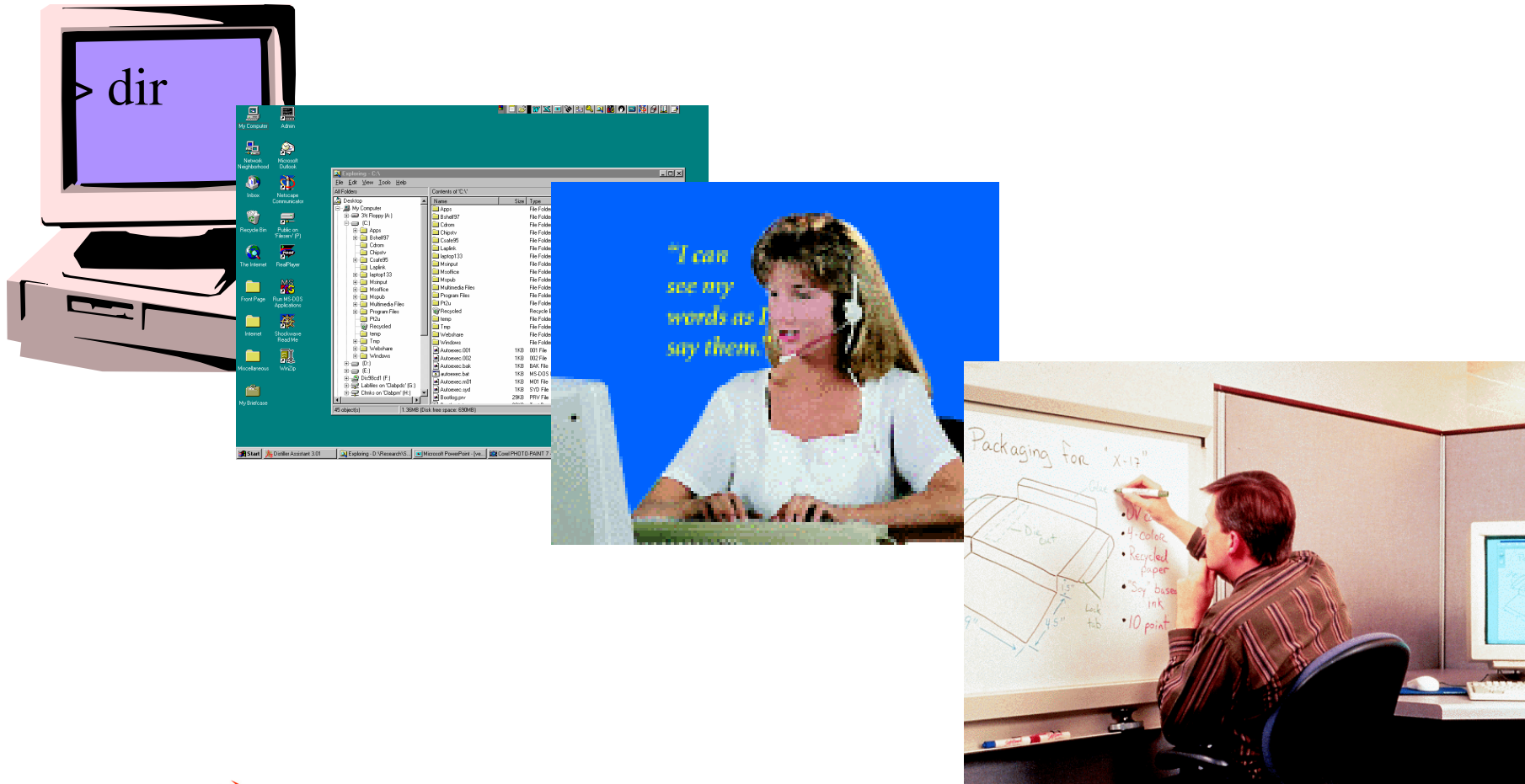




# Web Sites as at February 2004



# Human Computer Interface



# Intelligent Processing



## Word of mouth

- Very limited in access
- Information is enriched and customised.



## Books

- Much wider access
- Information was passive



## Computers

- Global access
- Information can be enriched and customised

# Technological Breakthroughs



75 years

**Telephone**



35 years

**Radio**



13 years

**Television**



4 years

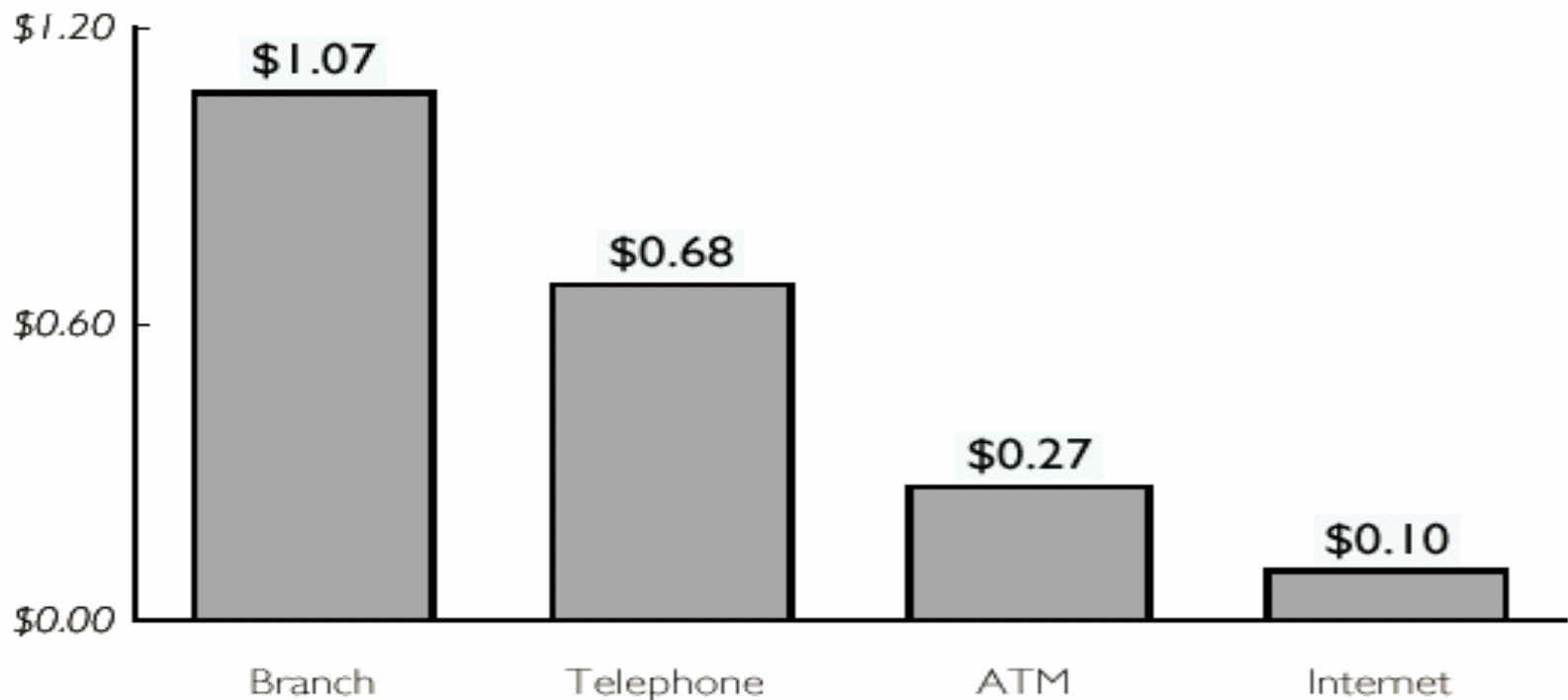
**The Web**

Time to reach 50 million people

# Plummeting Transaction Cost

Average Cost per Transaction

*Retail Banking by Channel*





# The Implications

- Within the last few decades we have seen a massive change to the way we can communicate and share information.
- Most tasks we do today, whether it is manufacturing, education, healthcare, entertainment or business involves processing information in some form or another.
- Thus we are about to see significant changes to the way we do things.

# Internet Banking

