Announcements

- ◆ Commerce newsletter
  - ◆ "The Executive Networks"
    - ◆ Copies at the office
- ◆ Tutor?
  - ◆ Need to be "approved".
    - ◆ Check with Student's Union

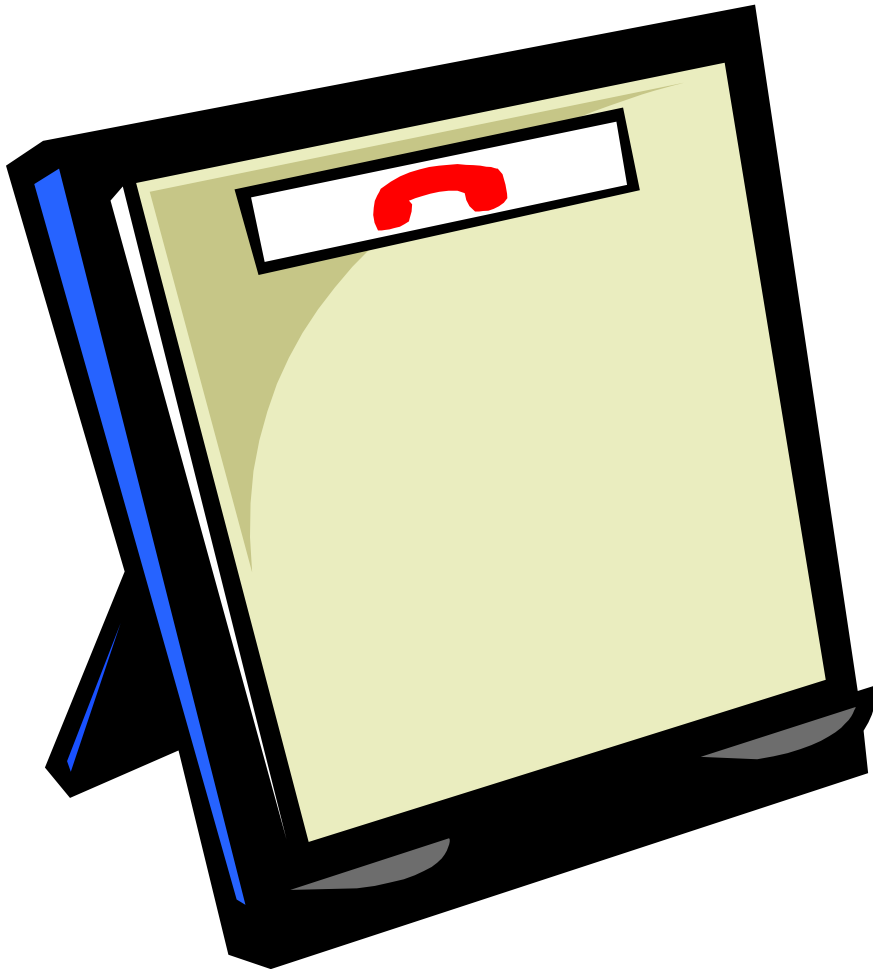# MGT 415H5 S
Electronic Commerce

Lu Lahodynskyj
Room 128

Week#3 - Networks

Agenda

- ◆ Notes
- ◆ Assignment
- ◆ Review of Last Week
  - ◆ Linux
- ◆ Networks
- ◆ Next Week

Notes

- ◆ Course Outline
  - ◆ Week#01
    - ◆ e-Commerce
      - ◆ Change
      - ◆ Management
- ◆ Recommendation
  - ◆ Keep track of slide#
  - ◆ Read around the topic
  - ◆ Review & update your notes
    - ◆ Take it in turns, in your group
  - ◆ Ask questions during weekly review
- ◆ Final exam will have a "synthesis" component

Assignment

- **www.turnitin.com**
  - The ClassID & Password will be made available, in plenty of time
- **Group Assignment**
  - Alternatives
    - Confirm via e-mail
      - Reviewed & approved by Sunday
- **Group 7**
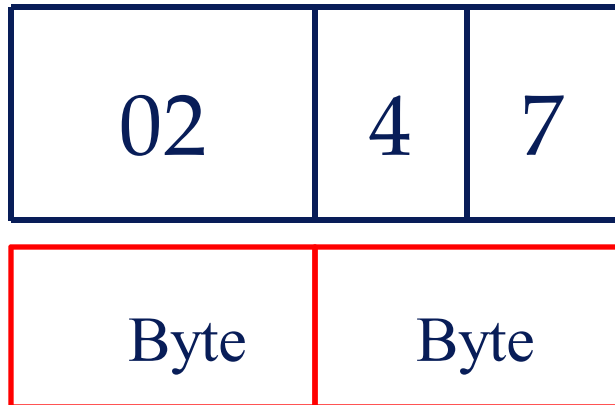 - All people not in a group

Review of Last Week

Architecture

- ◆ Bits
  - ◆ Instructions
- ◆ Layers
  - ◆ Application
    - ◆ OS
      - ◆ Firmware
- ◆ Vendor paradigm

Bits, Bytes & Instructions

02	4	7

Byte	Byte

- ◆ Bits
  - ◆ Instructions
    - ◆ Eg: Add Register 7 to 4
      - ◆ 02=code for "Add Registers"
  - ◆ Basic
  - ◆ Longer the instruction, more complex the commands
  - ◆ More commands
    - ◆ Reduced Instruction Set

Layers

Application

Operating System
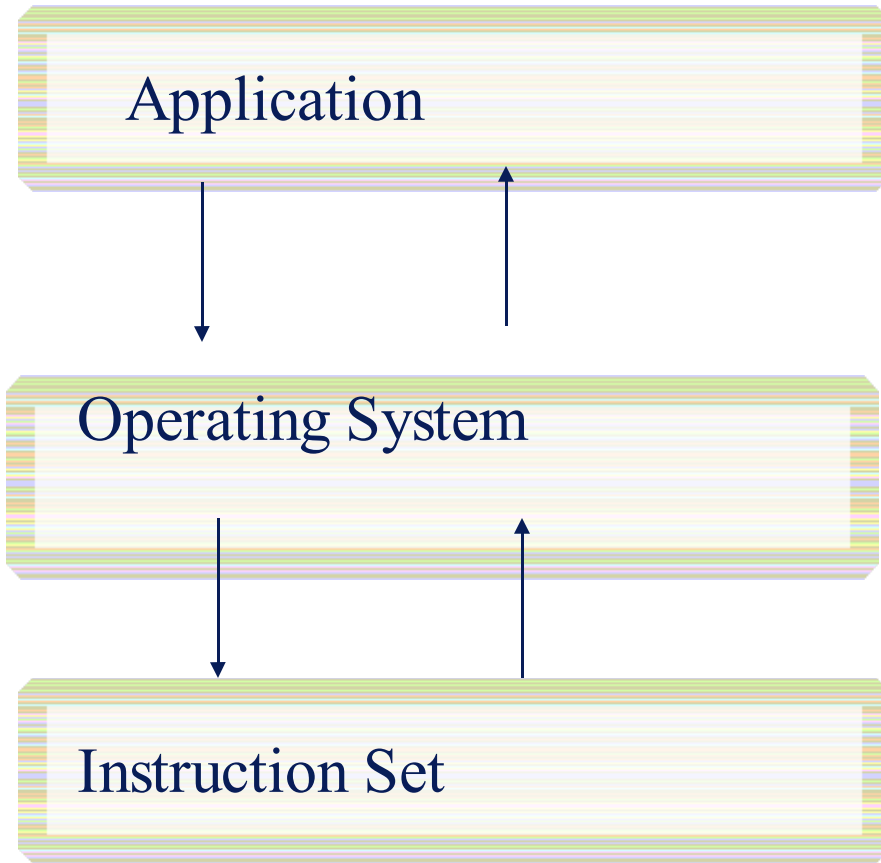
Instruction Set

◆ Application depend upon the Operation System

   ◆ Operating Systems depend upon the Instruction Set

      ◆ Instruction Set built into the CPU

Vendor Paradigm

Application

Operating System

Instruction Set
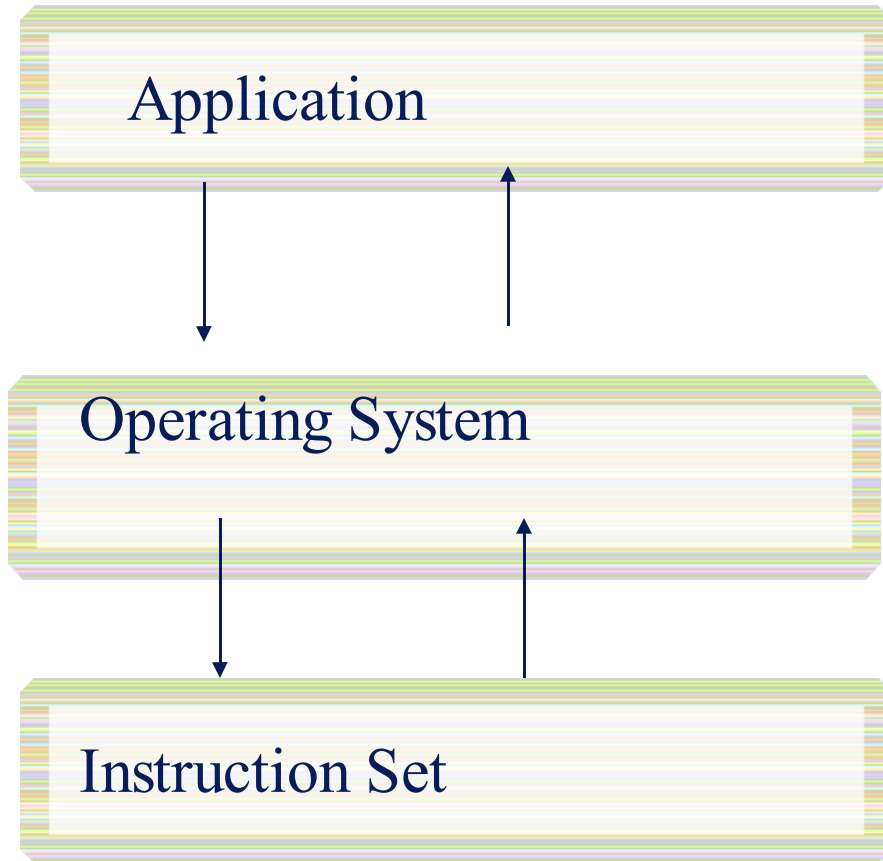
◆ "He who controls the operating system wins!"

Linux

David Bruce

◆ Accord Consulting
  ◆ Networks
  ◆ Linux, Unix
  ◆ mySQL & Oracle
  ◆ Java, C++
  ◆ XML, EDI

Thank You

Networks

Bruce Hanley

- ◆ Nortel Networks
  - ◆ In charge of Enterprise Sales for Toronto
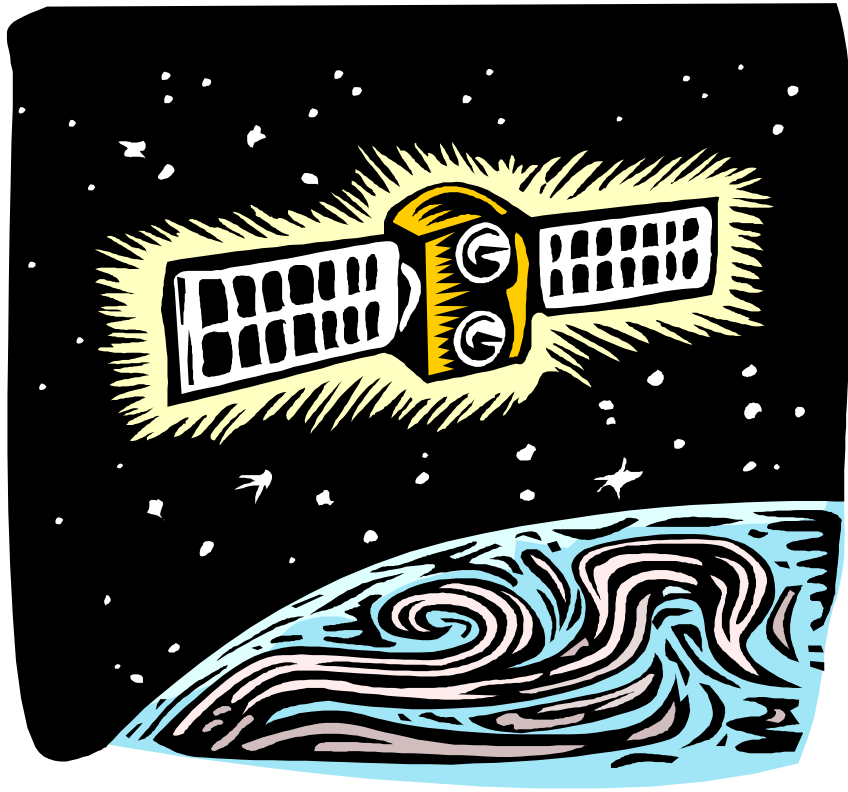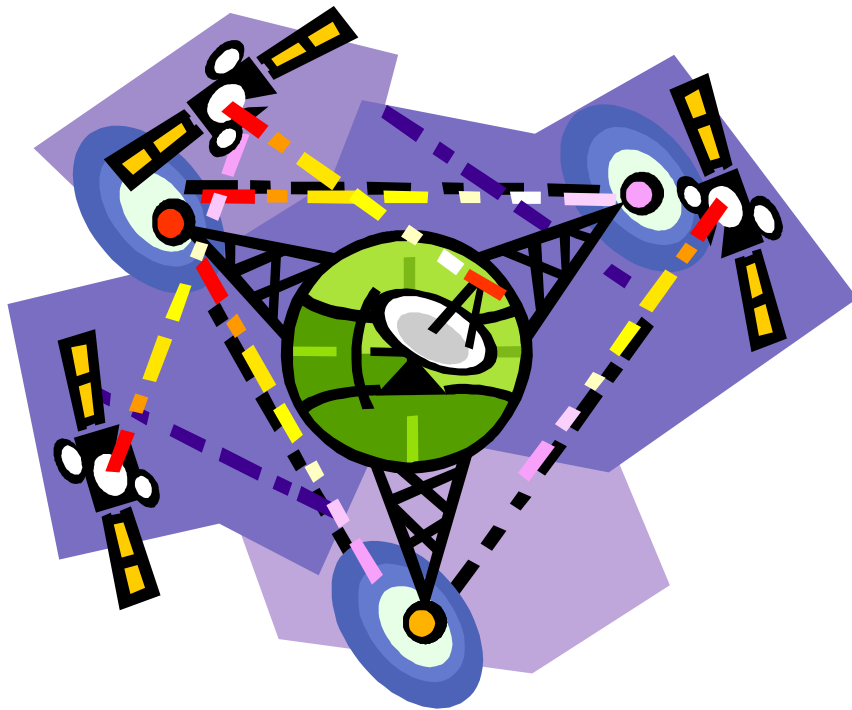 - ◆ 18yrs experience
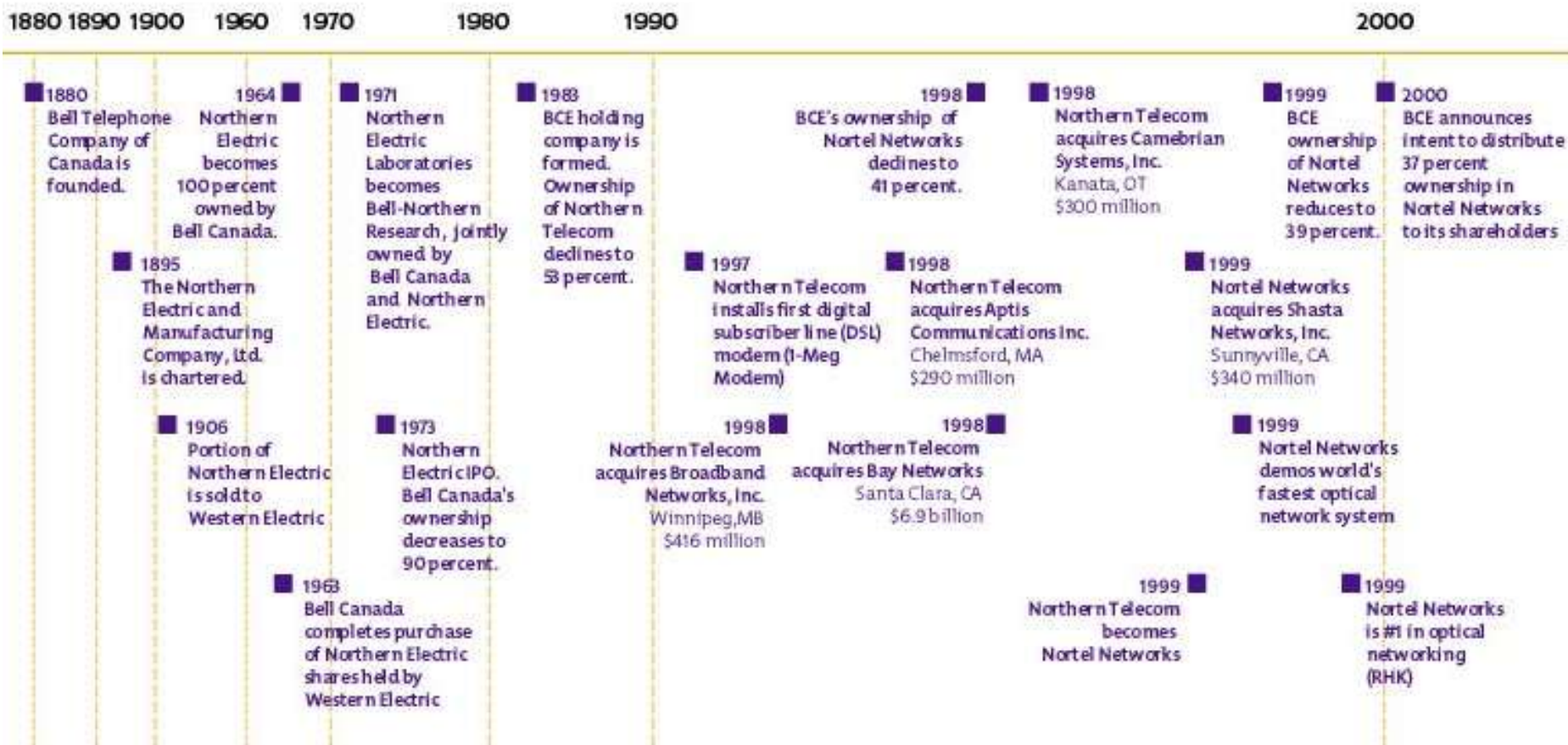   - ◆ Networks
    - ◆ Mergers&Acquisitions

Evolution of an Internet Powerhouse
Key Developments in the History of Nortel Networks and BCE

BCE

NORTEL NETWORKS™
How the world shares ideas.

Nortel Networks has evolved into an Internet powerhouse, beginning with the company's founding as the manufacturing arm of Bell Canada. Along the way, Nortel Networks and BCE shared a rich and mutually beneficial history. Today, both companies are highly respected global leaders with a passion for innovation and a dedication to excellence.

1880 1890 1900   1960   1970   1980   1990   2000

1880
Bell Telephone Company of Canada is founded.

1964
Northern Electric becomes 100 percent owned by Bell Canada.

1971
Northern Electric Laboratories becomes Bell-Northern Research, jointly owned by Bell Canada and Northern Electric.

1983
BCE holding company is formed. Ownership of Northern Telecom declines to 53 percent.

1998
BCE's ownership of Nortel Networks declines to 41 percent.

1998
Northern Telecom acquires Camebrian Systems, Inc.
Kanata, OT
$300 million

1999
BCE ownership of Nortel Networks reduces to 39 percent.

2000
BCE announces intent to distribute 37 percent ownership in Nortel Networks to its shareholders

1895
The Northern Electric and Manufacturing Company, Ltd. is chartered.

1997
Northern Telecom installs first digital subscriber line (DSL) modem (1-Meg Modem)

1998
Northern Telecom acquires Aptis Communications Inc.
Chelmsford, MA
$290 million

1999
Nortel Networks acquires Shasta Networks, Inc.
Sunnyville, CA
$340 million

1906
Portion of Northern Electric is sold to Western Electric

1973
Northern Electric IPO. Bell Canada's ownership decreases to 90 percent.

1998
Northern Telecom acquires Broadband Networks, Inc.
Winnipeg, MB
$416 million

1998
Northern Telecom acquires Bay Networks
Santa Clara, CA
$6.9 billion

1999
Nortel Networks demos world's fastest optical network system

1963
Bell Canada completes purchase of Northern Electric shares held by Western Electric

1999
Northern Telecom becomes Nortel Networks

1999
Nortel Networks is #1 in optical networking (RHK)

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Thank You

Next Week

◆ We will cover Data Storage & Administration

- ◆ How to store all the data that you accumulate
- ◆ How to administer the data, hardware and software.