Introduction to Networks and Networking Applications

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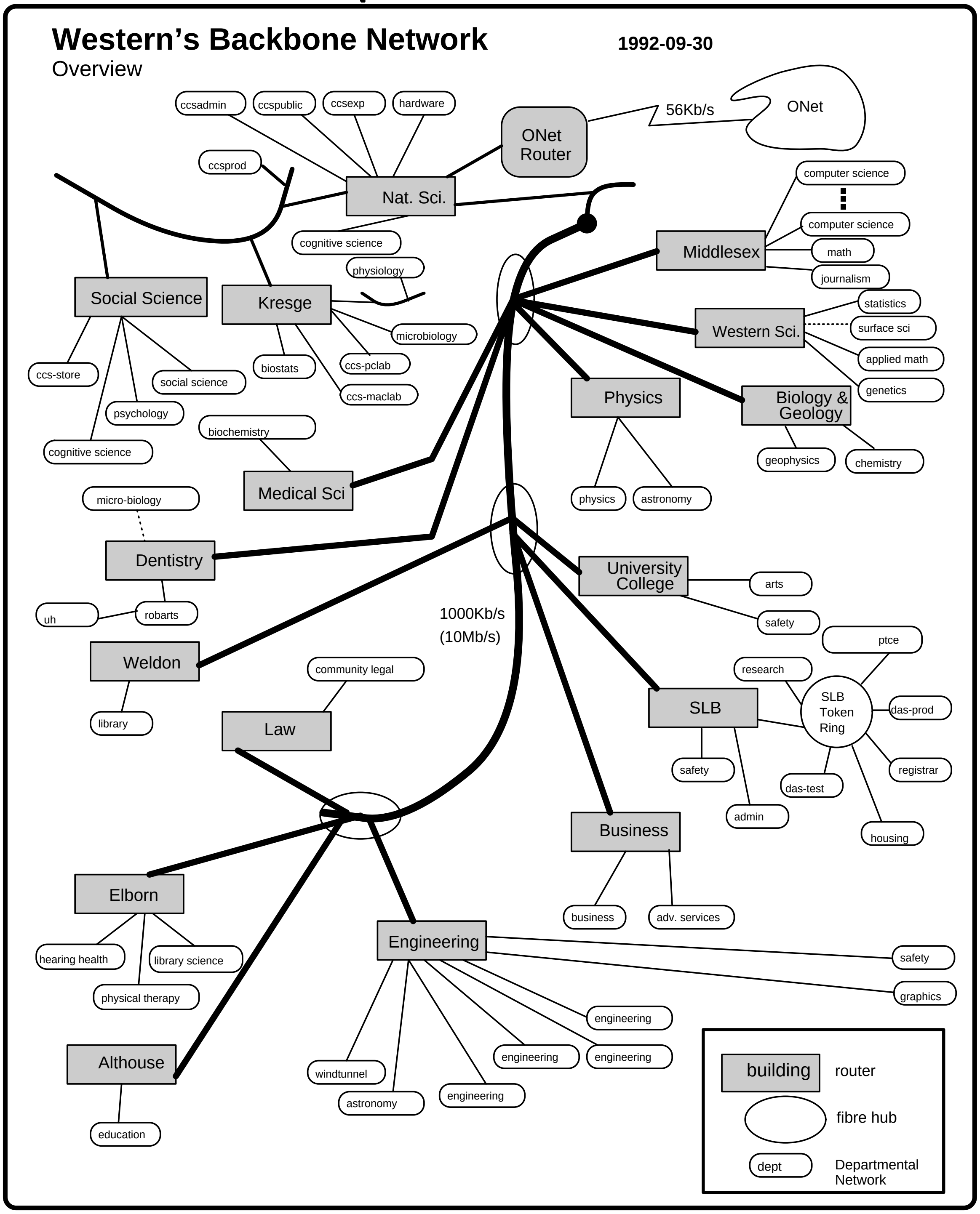
Outline

- Network Overview
- Network Applications
- Related services
- Answers — where to find them
- Homework!

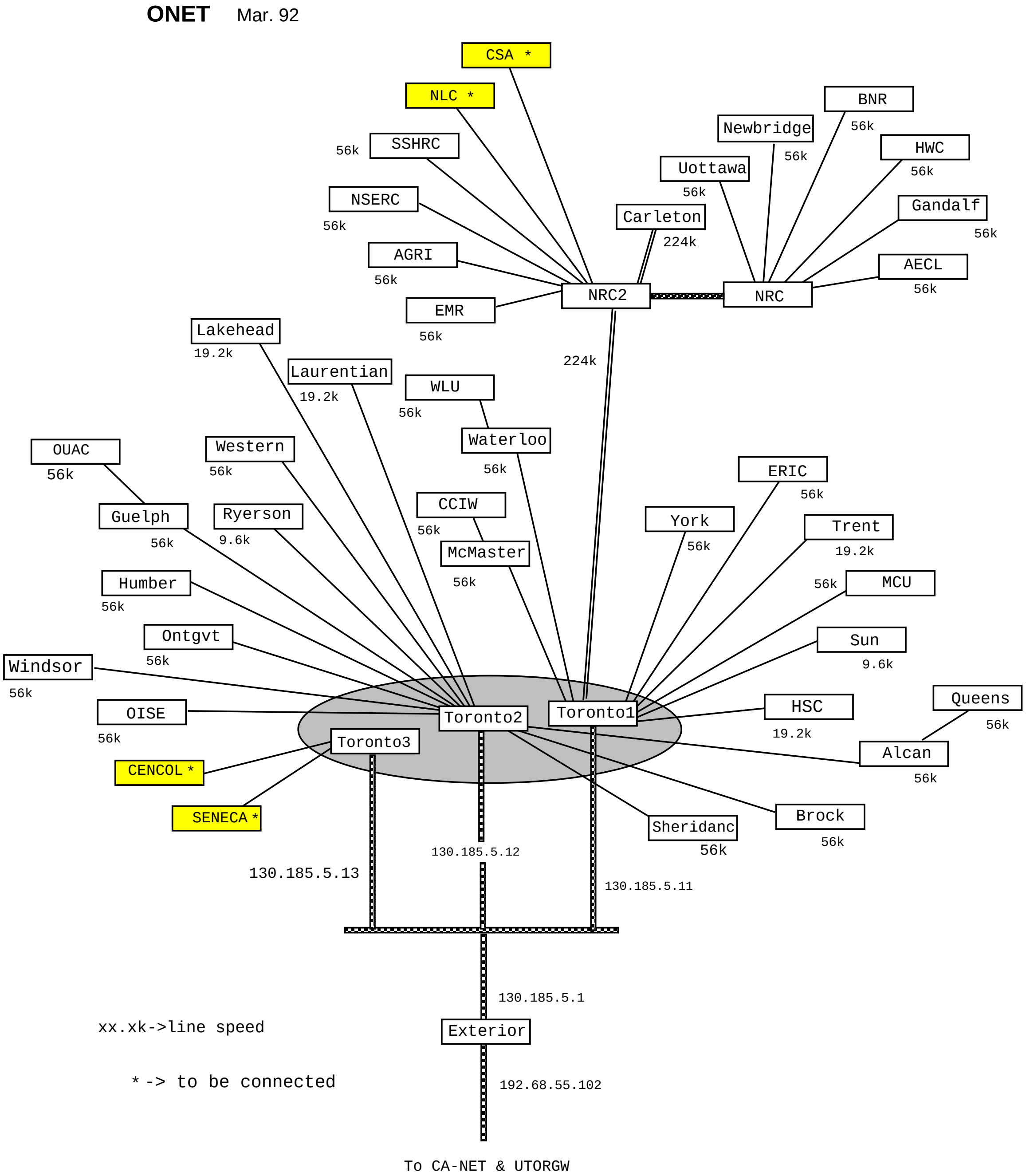
Network Overview

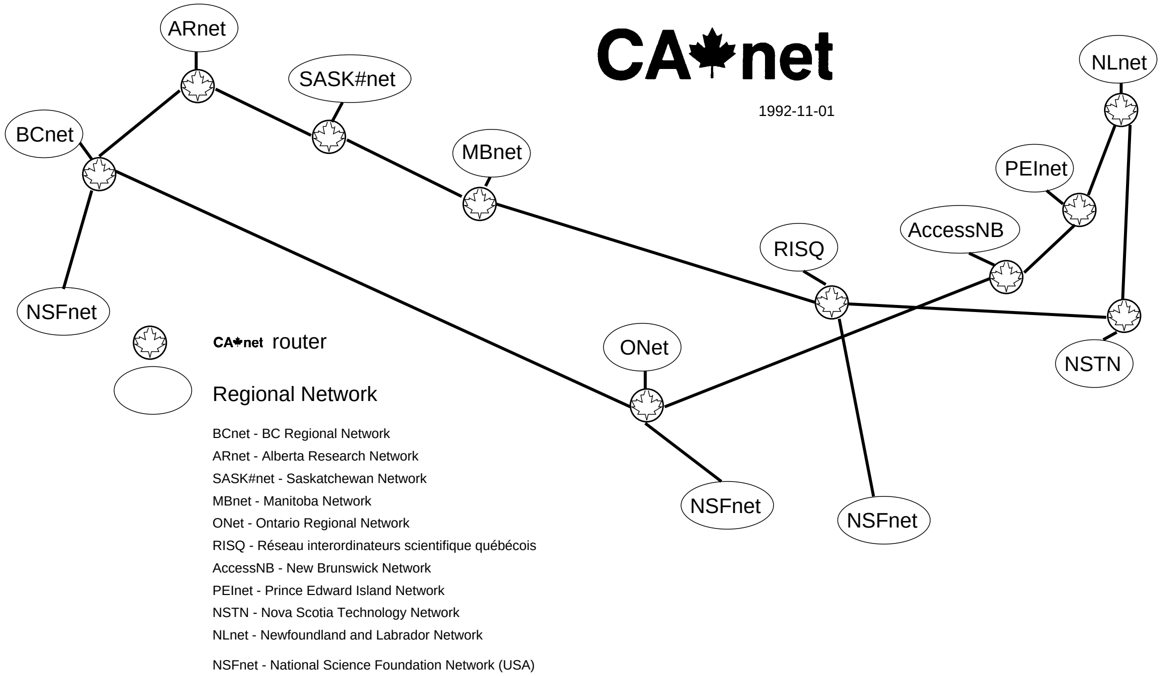
- campus: the NIC, the NOC
- regional
- national
- international (US and beyond)

Campus Network



Regional Network: ONet




CA net
1992-11-01
ARnet
SASK#net
BCnet
MBnet
NLnet
PEInet
AccessNB
RISQ
NSFnet
ONet
NSTN
NSFnet
NSFnet
CA net router
Regional Network
BCnet - BC Regional Network
ARnet - Alberta Research Network
SASK#net - Saskatchewan Network
MBnet - Manitoba Network
ONet - Ontario Regional Network
RISQ - Réseau interordinateurs scientifique québécois
AccessNB - New Brunswick Network
PEInet - Prince Edward Island Network
NSTN - Nova Scotia Technology Network
NLnet - Newfoundland and Labrador Network
NSFnet - National Science Foundation Network (USA)

International Connections

Basic Network Applications

- telnet
- FTP (anonymous/ftp and regular)
- Usenet news
- E-mail

More Network Applications

- whois
- DNS: byname, bynum
- archie: searching file archives
- WAIS: general searching, local databases
- Gopher: internet information explorer

Related services

- DIALOUT — LDAC
- Datapac

Answers — Where?

- WAIS: ftpable readmes, domain names
- Gopher: easy access to /usr/doc
  - FAQs: `/usr/doc/FAQ`
  - NIC: `/usr/doc/nic`
  - Course notes: `/usr/doc/courses`
  - maps: `ftp/maps`, `ftp/maps/uwonet`
- direct access to `/usr/doc/*`

Homework!

1. print your own copy of the backbone map file (`lpr` command)

2. go through the WAIS/swais course notes and do the exercises

3. Find the newsletter article on LDAC for dial-out using gopher and report on what it is who to call to get one.

4. Use archie to find out the most recent version of **jove**

5. What is the machine name of [129.100.38.11]?

6. What is the IP number of suncon.ccs.uwo.ca?

7. Is there a free Unix for Intel machines? (via FAQ directory)

8. How do I train my cat to use the toilet? (via FAQ directory)