Computer Networks

Ankit Singla
Why study networking?

Beyond 6.0 / 6.0 ;}
Why study networking?

1. Printing press, 1430s
2. Electricity, late 19th century
3. Penicillin, 1928
4. Semiconductor electronics, 1950s
5. Optical lenses, 13th century
6. Paper, second century
7. Internal combustion engine, ~1860
8. Vaccination, 1796
9. **The Internet, 1960s**
10. Steam engine, 1712
Everything depends on networking ...
Digital Dividends

Exploring the Relationship Between Broadband and Economic Growth

Michael Minges
ictData.org
HUGE impact on society

Internet traffic to and from Egypt on January 27 - 28. At 5:20 pm EST, traffic to and from Egypt across 80 Internet providers around the world drops precipitously.

[Arbor networks]
HUGE impact on society
HUGE impact on society

Starting at 3:35 UTC today (6:35am local time), approximately two-thirds of all Syrian networks became unreachable from the global Internet. Over the course of roughly half an hour, the routes to 40 of 59 networks were withdrawn from the global routing table.
This election is a total sham and a travesty. We are not a democracy!
Traceroute Path 1: from Guadalajara, Mexico to Washington, D.C.
Hot societal issue
Networking is cool!

[Port scanning using nmap in action in Matrix Reloaded]
Networking is cool!

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'BUT WHEN SHE TRACED THE
KILLER’S IP ADDRESS... IT WAS
IN THE 192.168/16 BLOCK!
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[Xkcd]
... and could make you rich!
... and could make you rich!

USD 1.26 Billion