

Copyright © Scott Bradner & Ben Gaucherin 2015

## Image credits 3 logos https://en.wikipedia.org/wiki/United\_States\_Congress mechanical semaphore -5 https://en.wikipedia.org/?title=Claude\_Chappe#/media/F ile:T%C3%A9I%C3%A9graphe\_Chappe\_1.jpg ITC 1865 extract https://archive.org/details/documentsdelaco00confgoog bee - http://www.vermontinsects.org/bees.html Copyright © Scott Bradner & Ben Gaucherin 2015



Copyright © Scott Bradner & Ben Gaucherin 2015

1

CSCI E 45a: The Cyber World – part A

Telegraph & telephone governance & regs. Concepts Developed in Europe in mid 1800s Create new international telecommunications governance body Same body developed regulations that defined operational and Europe 1865 technical interactions between nation-based carriers Included billing basics Included protections for the nation Copyright © Scott Bradner & Ben Gaucherin 2015 2

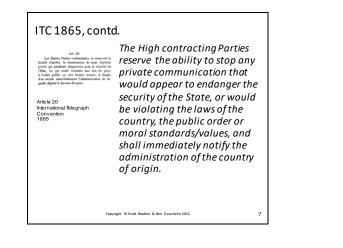




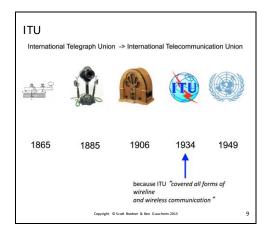


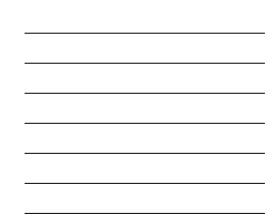


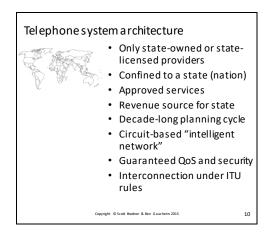


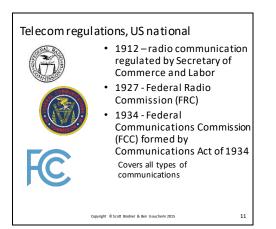


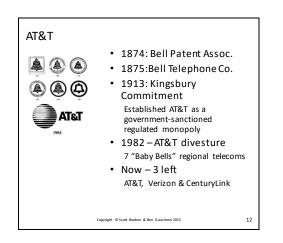




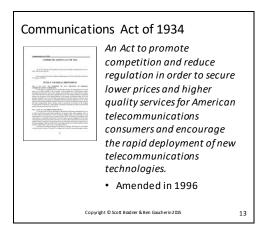


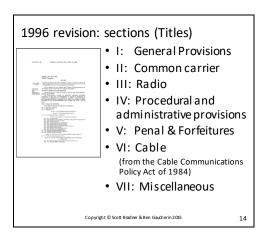


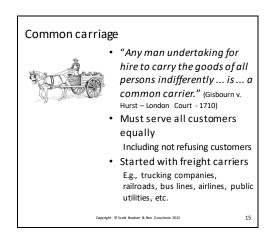


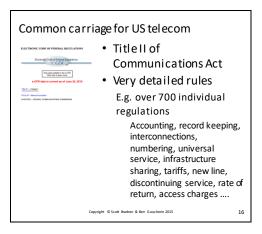












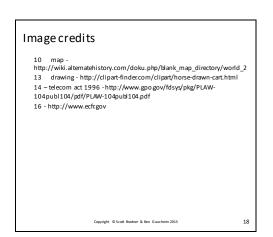


2 iobr	map - http://www.geographicus.com/P/AntiqueMap/Europe- nson-1865
3	mechanical semaphore -
http	s://en.wikipedia.org/?title=Claude_Chappe#/media/File:T%C3%A91%C
3%A	\9graphe_Chappe_1.jpg
	Morse photo - http://alchetron.com/Samuel-Morse-1116596-
W#c	lemo
	ship drawing - http://www.brunel200.com/ss_great_eastern.htm
4	Victorian Internet cover
5	photo -
	://www.itu.int/en/history/Pages/PlenipotentiaryConferences.aspx?con &dms=S0201000001
6	ITC -
http	://itlaw.wikia.com/wiki/International_Telegraph_Convention
7	ITC 1865 extract -
http	s://archive.org/details/documentsdelaco00confgoog

https://archiv

8 map -

8 inep -http://wiki.alternatehistory.com/doku.php/blank\_map\_directory/world\_2 require @crow Radeer & Ben Gauchein 2015 17



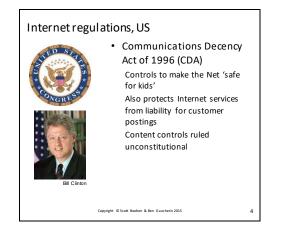


CSCI E 45a: The Cyber World – part A

Copyright © Scott Bradner & Ben Gaucherin 2015

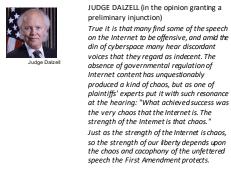
1



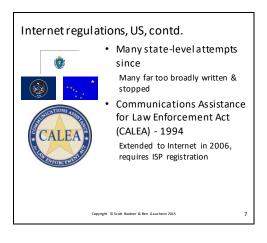


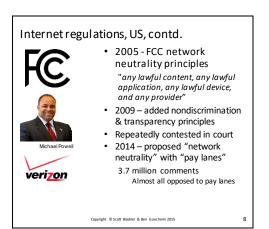


## CDA, contd.



Copyright © Scott Bradner & Ben Gaucherin 2015

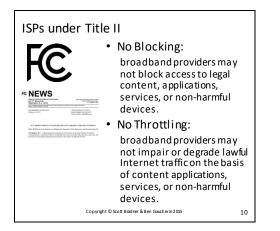


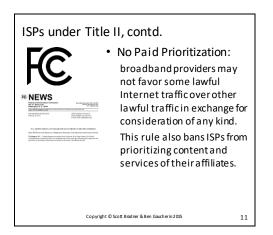


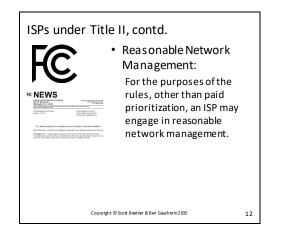
## Internet regulations, US, contd.

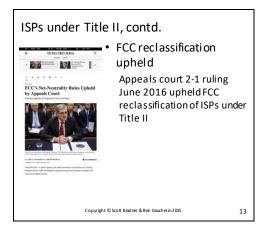
- 2015 FCC reclassified Internet service providersas falling under Title II of communications act
- But said they would "forebear" on over 700 individual regulations
- Just use Title II to empower the network neutrality rules
- A few "bright line rules"

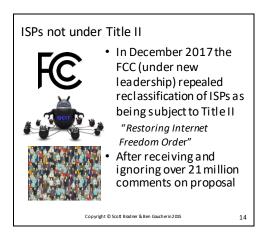
Copyright © Scott Bradner & Ben Gaucherin 2015

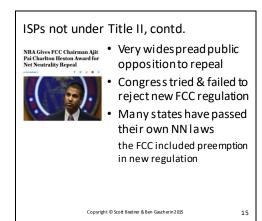






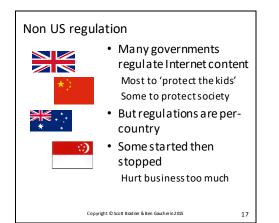


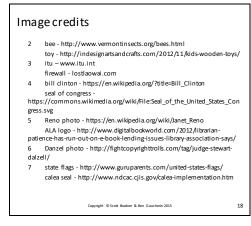




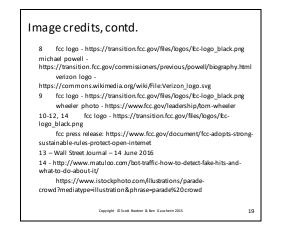


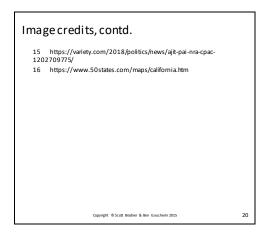






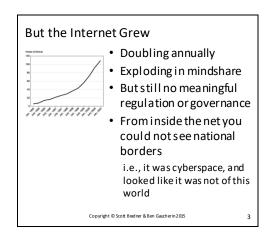
For use by students in Harvard Extension School CSCI E-45a only. Do not copy.



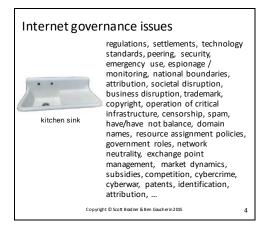


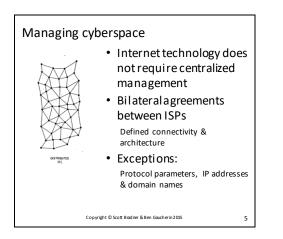


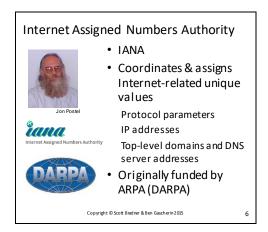




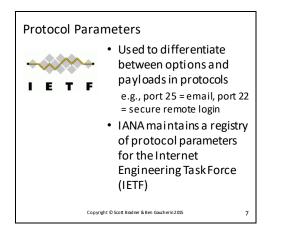


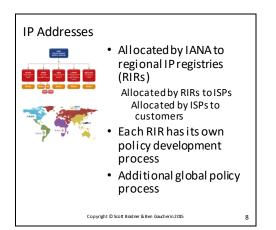


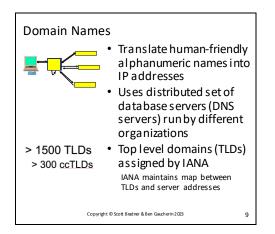






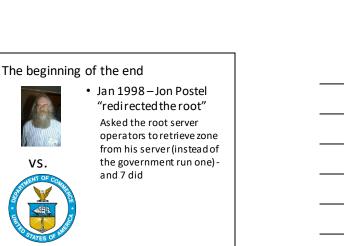










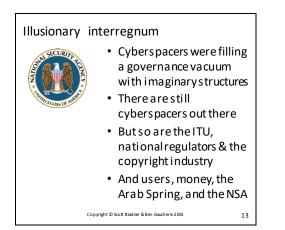


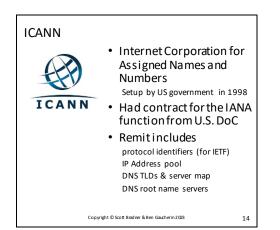
11

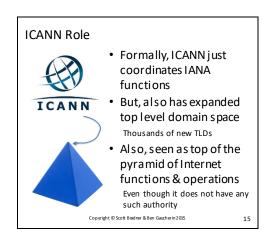


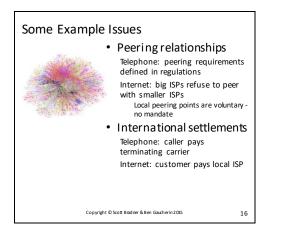
Copyright © Scott Bradner & Ben Gaucherin 2015

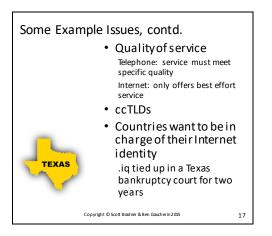
vs

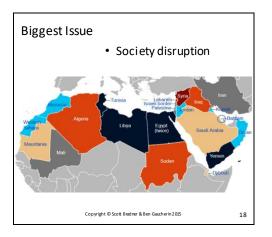


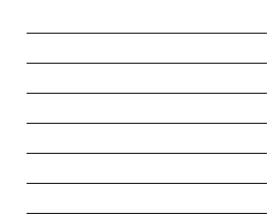


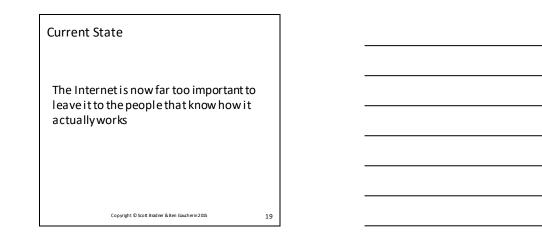


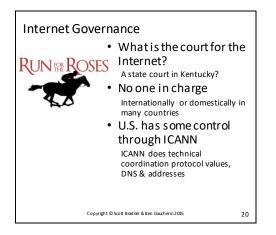


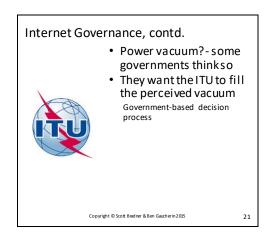


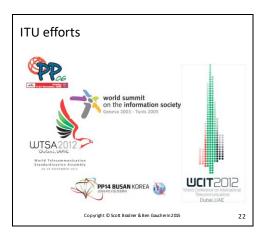




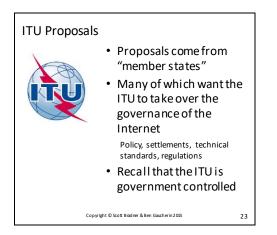


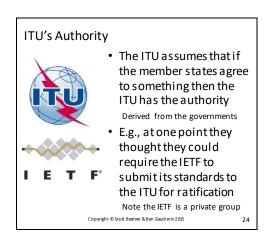


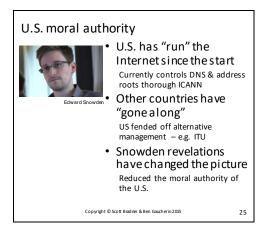




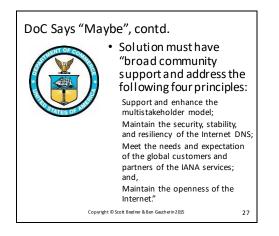






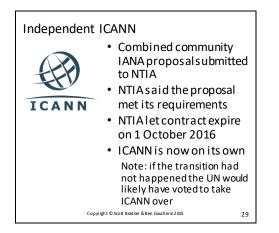


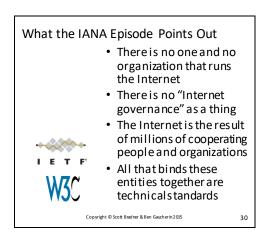




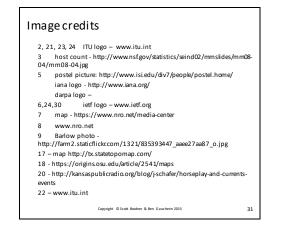














25 https://sputniknews.com/asia/201801221060965760-snowdenagainst-indian-biometric-program/ 26,27

https://en.wikipedia.org/wiki/United\_States\_Department\_of\_Comm erce

28 various newspapers

https://www.washingtontimes.com/news/2015/jul/20/ted-cruztakes-aim-congress-obamacare-exemption/

29 ICANN logo:

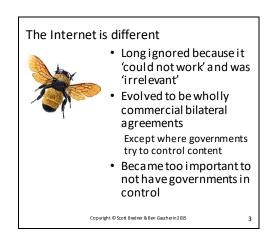
https://commons.wikimedia.org/wiki/File:Icann\_logo.svg

30 W3C logo: https://www.w3.org/Consortium/Legal/logo-usage-20000308

Copyright © Scott Bradner & Ben Gaucherin 2015









- 2 ITC http://itlaw.wikia.com/wiki/International\_Telegraph\_Convention ITU logo - www.itu.int
- 3 bee http://www.vermontinsects.org/bees.html

Copyright @ Scott Bradner & Ben Gaucherin 2015