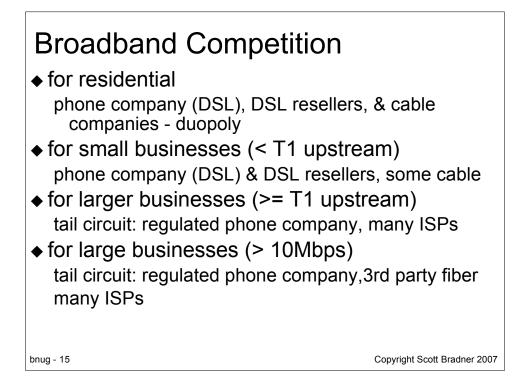


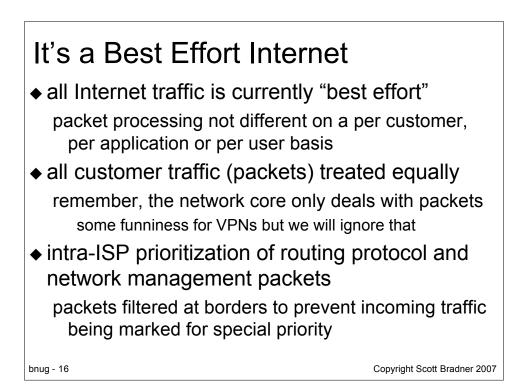
Telephone Competition

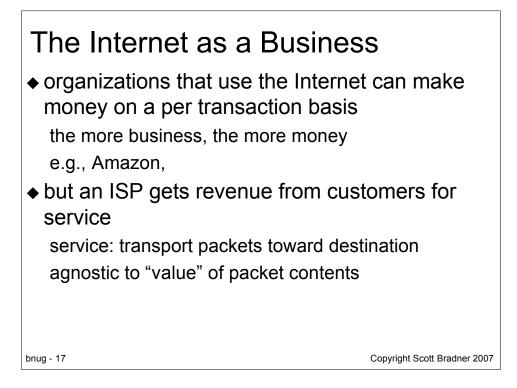
- effectively no competition for residential and small business wireline service
- strong competition in long distance
- strong competition in wireless (cell phones)
- good competition in enterprise wireline service

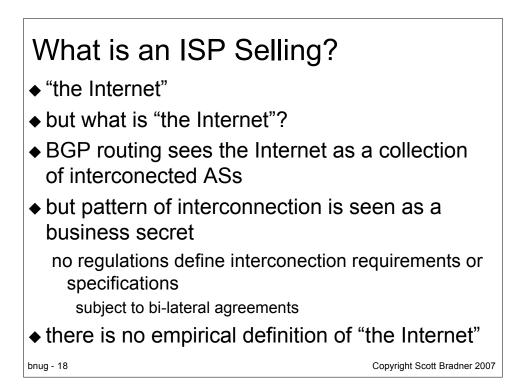
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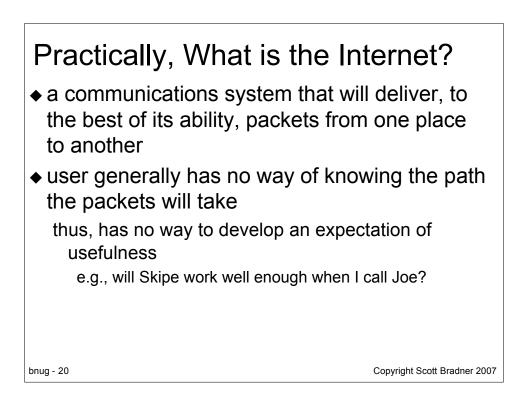


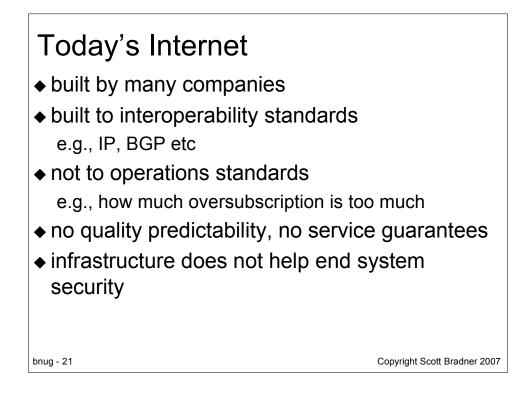


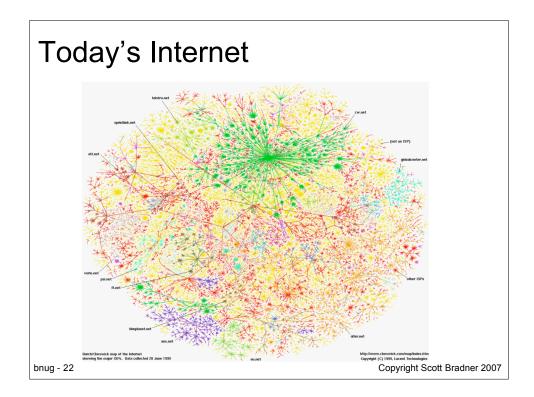




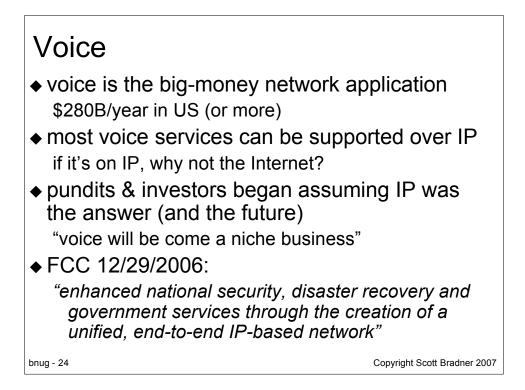


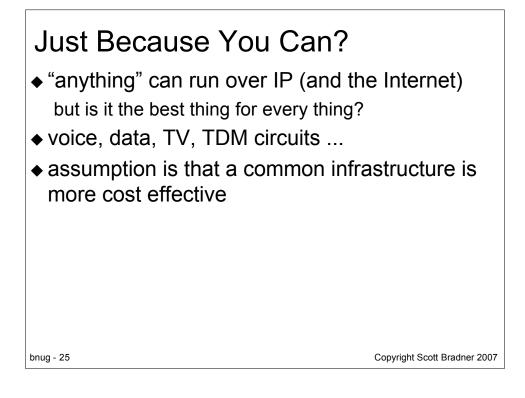




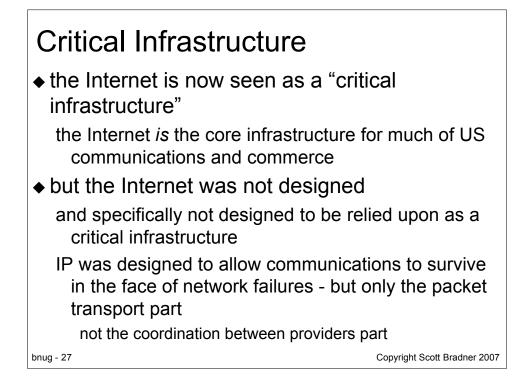


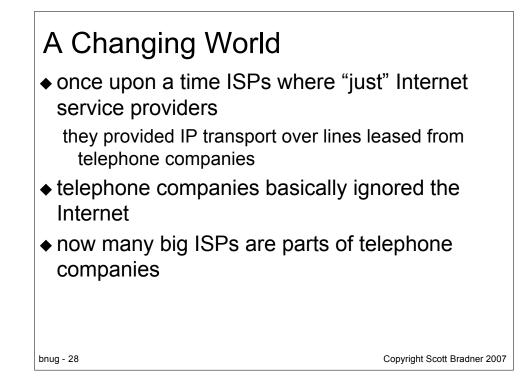
Because it was There?
 the primary pre-web applications of the Internet were email and remote login
♦ then came the web
 that got widespread deployment
 because it was there people began using the Internet (and IP protocols) to support other things
e.g., voice
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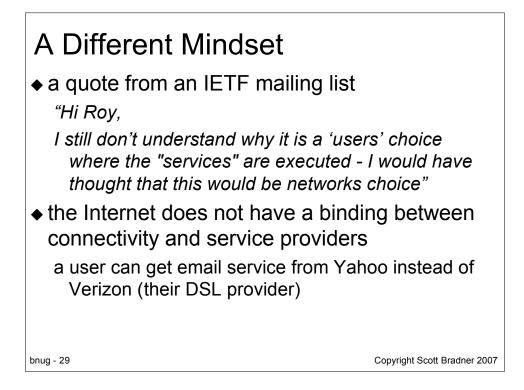


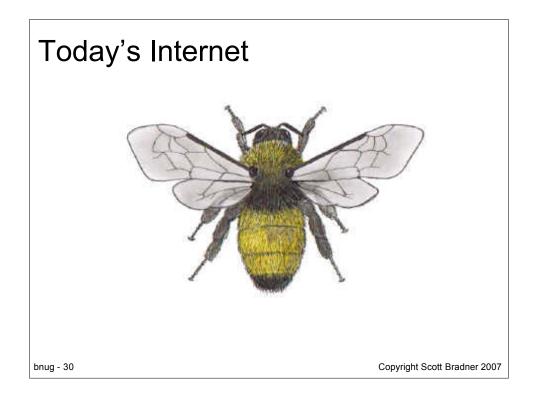


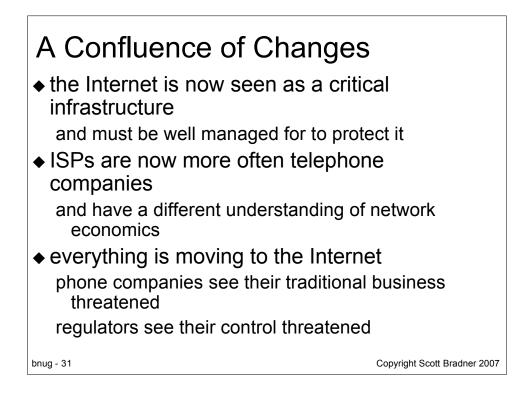


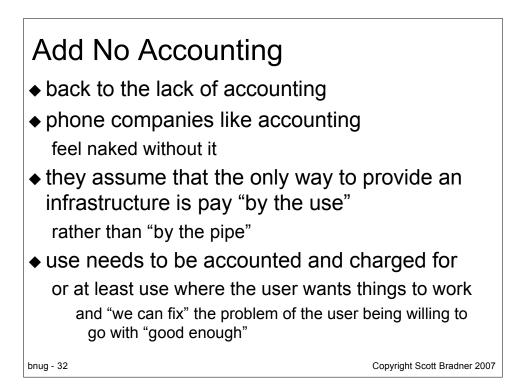


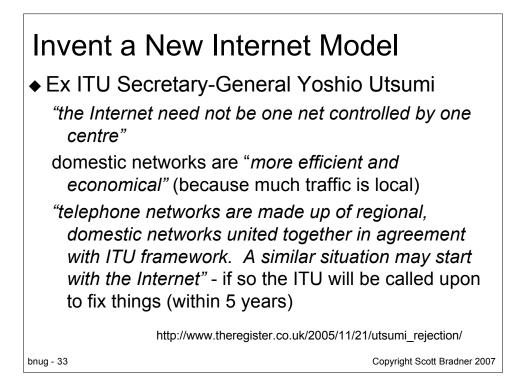


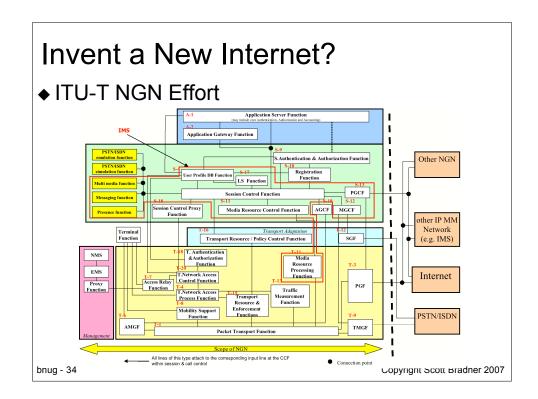


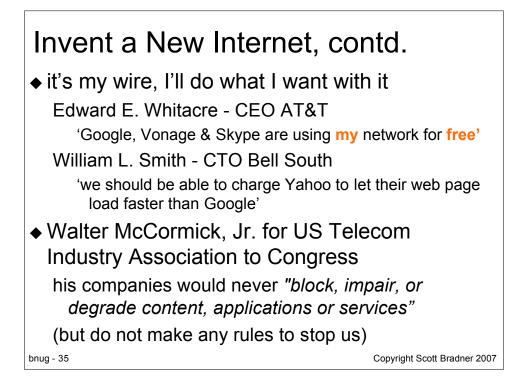




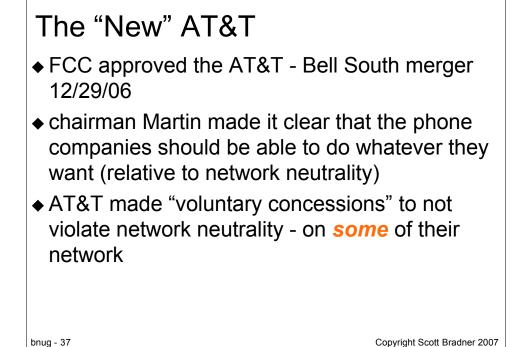




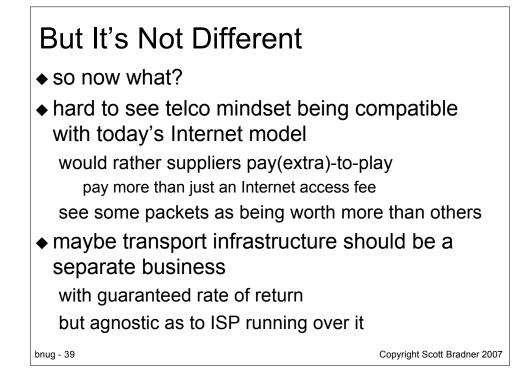


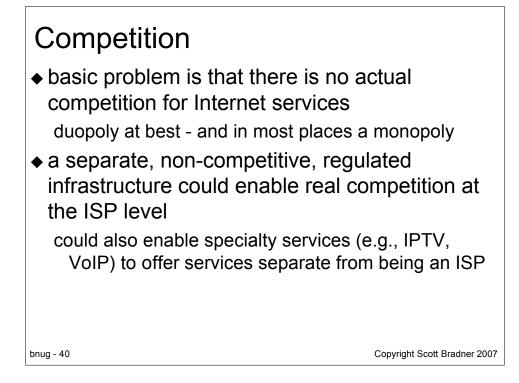


Network Neutrality Vint Cerf at al vs. TIA et al: US Senate Vint's reason vint's reason carriers could make it so carrier permission (or payment) is required for new applications block new app development - destroy generative effect of the Internet TIA's reason if Internet is a commodity then carrier is not assured a return on investment http://commerce.senate.gov/hearings/witnesslist.cfm?id=1705



<section-header>
 Other the second part of the original internet
 Is preserved to a second part of the original internet
 Special have scaled based on traffic (because of getting traffic based revenue)
 Special have had an incentive to improve infrastructure
 because other ISPs could have differentiated between paths through other ISPs based on quality
 Spes would have had direct incentives to interconnect interconnect
 change peering business models





Future

 common sense is not common enough and there are different definitions of "sense"

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