Death of the Internet: GIF at 11

Scott Bradner NANOG 3 June 2020

What Internet?

- Not talking about local connectivity
- Talking about the Internet as a "thing" made up of interconnected networks that, together, provides a connectivity service for Internet protocol packets

2

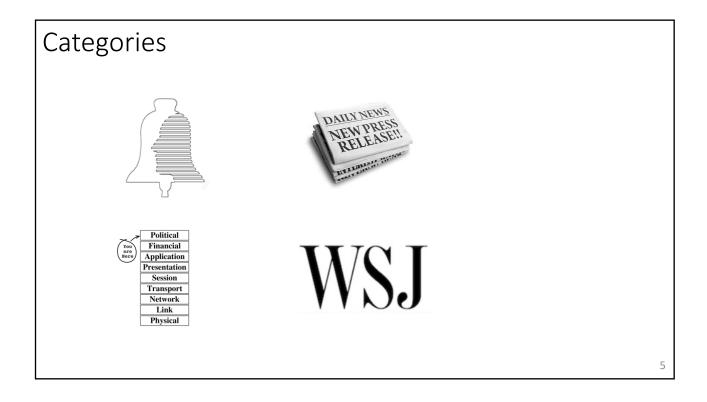
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What is "Death"?

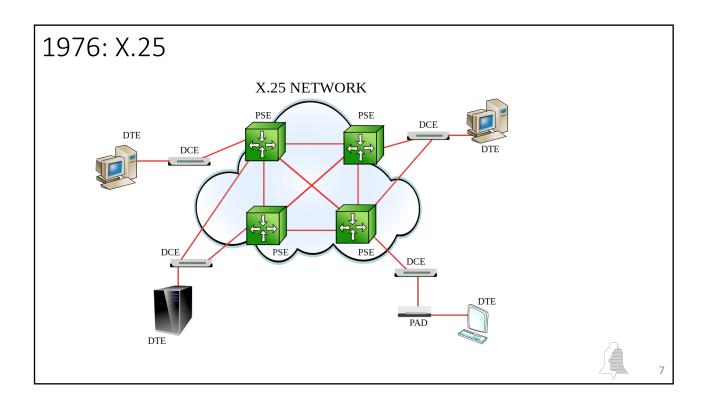
- Predicted significant outage
- Predicted uselessness
- Predicted wholesale replacement

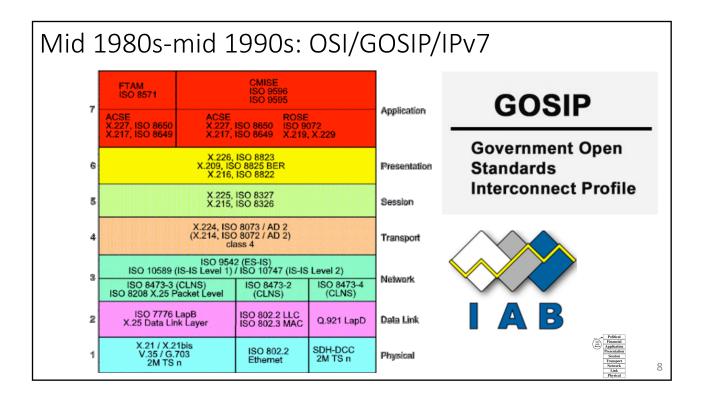
Many "Deaths"

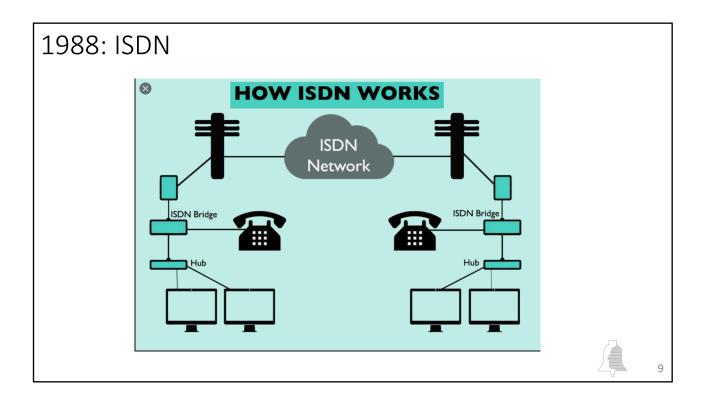
- The 'Net started "dead" and "died" many times over the years
- Someone was generally ready to transform it, but not always to resurrect it
- I'll review a few predicted deaths & would-be net killers
- Spoiler: none of the deaths took
- The 'Net has had "*a lively death indeed*" Elliott Norse (writing about fallen trees in *Ancient Forests of the Pacific Northwest* – 1990)

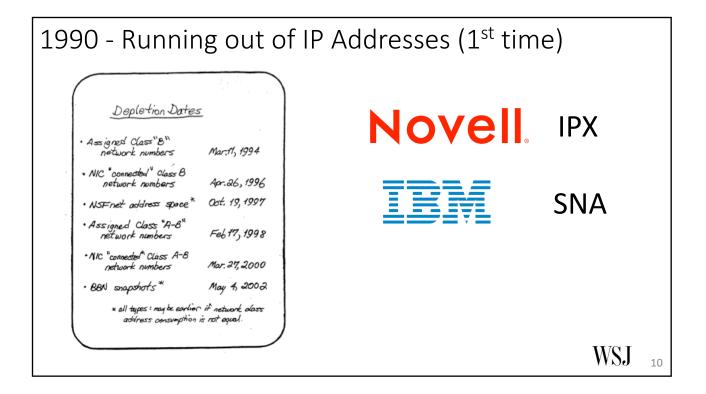


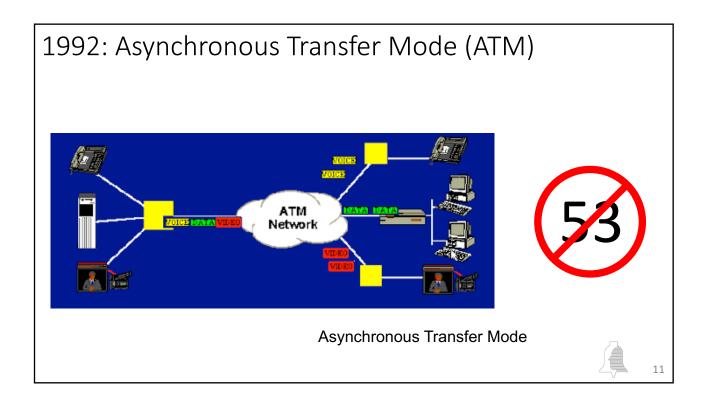
Early 1960s: Dead before it was born Paul Baran – developed concept of multi use packet switched network (data & voice) Cheap & reliable Presented packet switched networking to AT&T "Son, this is how a telephone works" Oral history interview with Paul Baran – 1990 - Charles Babbage Institute Image: Son and the phone works of the phone w

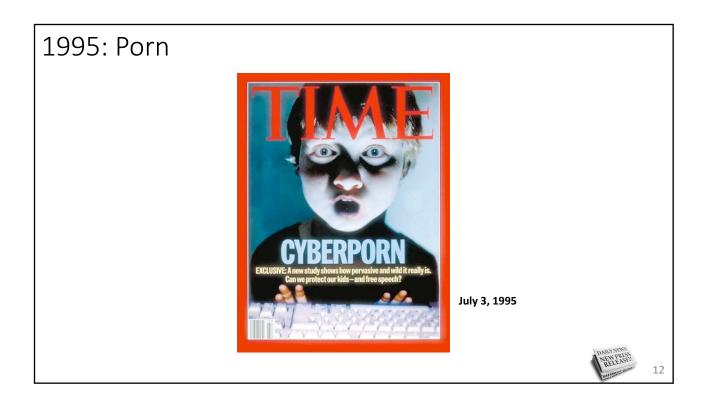






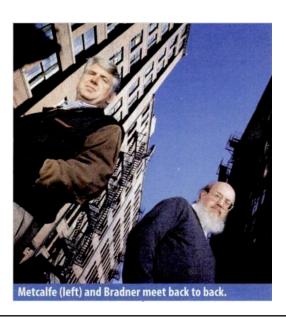


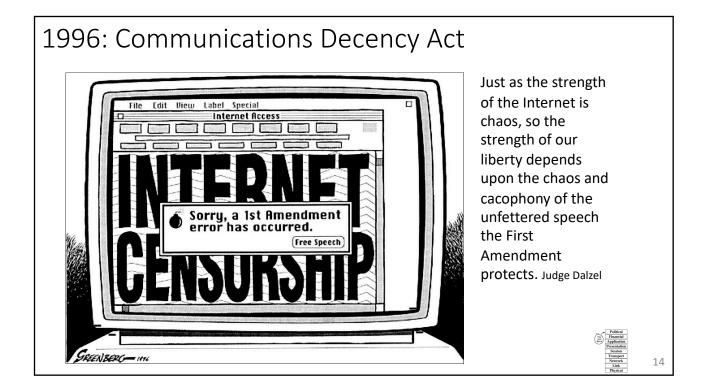


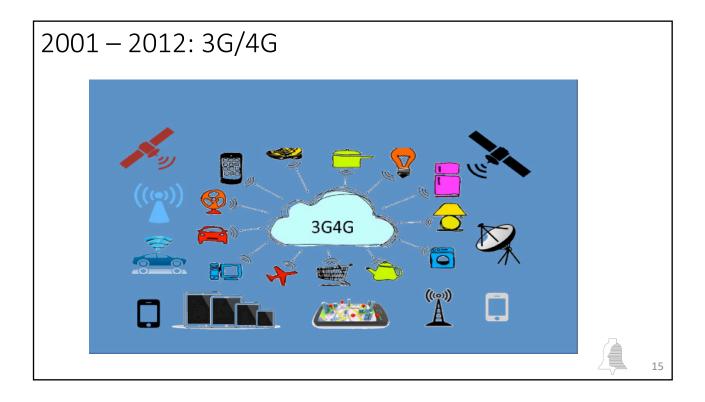


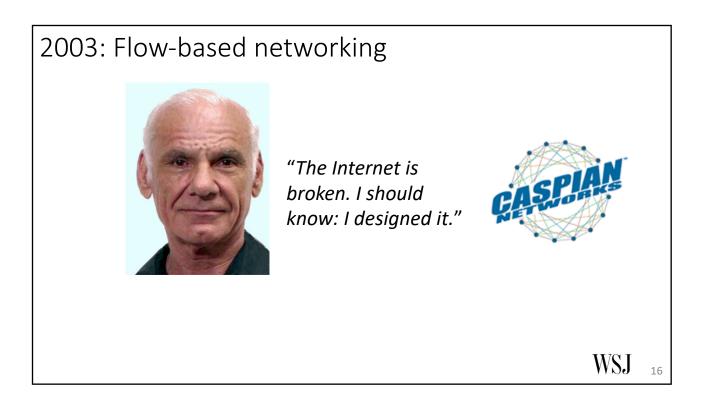
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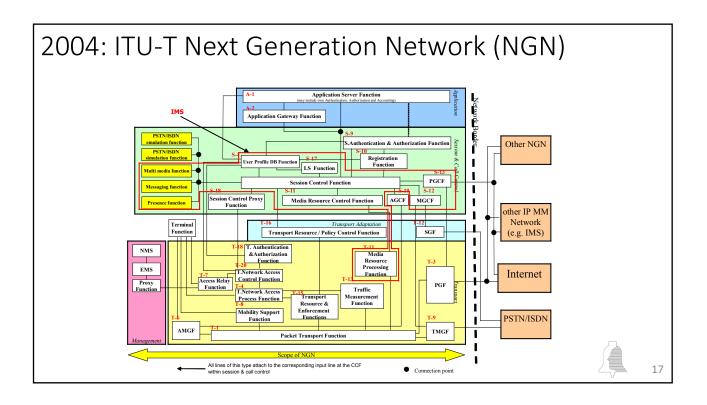
1996: Gigalapse

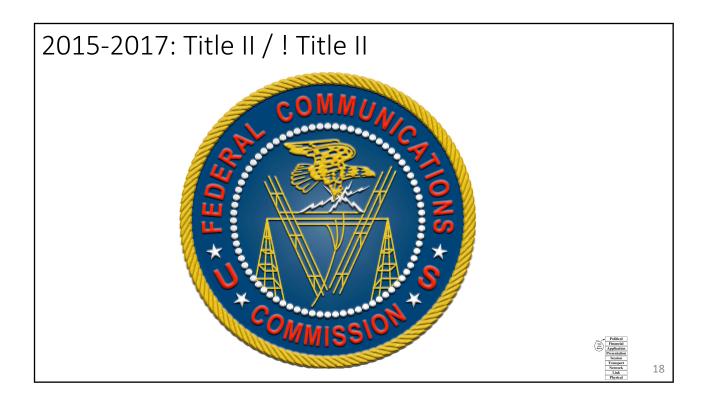




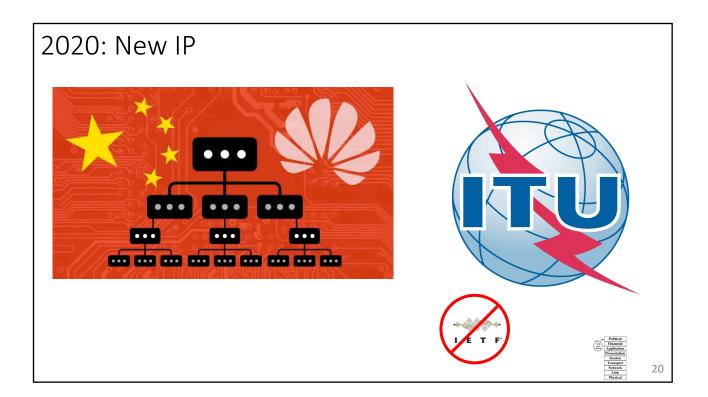




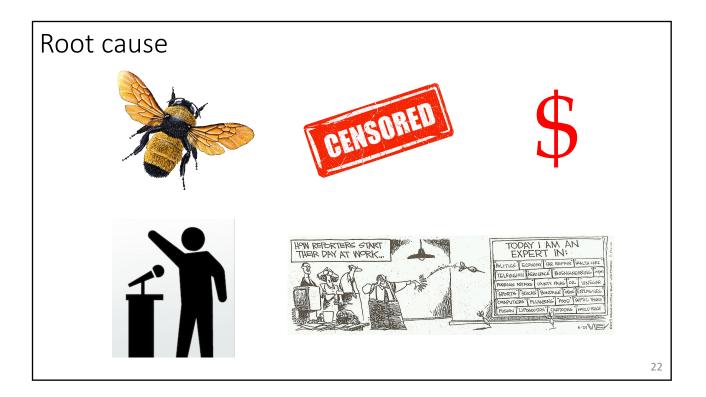












Mother of revolution

"The invention of the printing press is the greatest event in history. It is the mother of revolution."

"In its printed form, thought is more imperishable than ever; it is volatile, irresistible, indestructible. It is mingled with the air. ... Now it converts itself into a flock of birds, scatters itself to the four winds, and occupies all points of air and space at once."

"A book is so soon made, costs so little, and can go so far! How can it surprise us that all human thought flows in this channel?"

Victor Hugo: *Hunchback of Notre Dame*

Thank You