

# It was thirty++ years ago ...

On Sunday 23<sup>rd</sup> June 1989 we commissioned a permanent IP link between the the University of Melbourne and the University of Hawaii, using a 56Kbps satellite link

The Internet had arrived in Australia

# Over these thirty years...

We seen the inexorable and rise of the Internet weaving its way into the very fabric of our lives:

- From bits to megabits to gigabits to terabits
- From mainframes, to workstations to desktops to mobile devices
- From FTP to WAIS to the Web to apps to Facebook to Fake News
- From data to search to streaming to analytics to stalking

And we've seen optimism and hope turn to disillusion and distrust  
All in just thirty years

# Why?

- The marriage of computing and communications is one of the most prodigious marriages in human history
- Its ramifications are so profound and so widespread that it sits alongside industrialisation, printing, metallurgy, and agriculture as a defining stage in human history
- Is it because we distrust change?
- Or because these changes are so overwhelming and exploitative in nature that we as individuals, as communities and as nations are rendered so impotent?

# It's a Full Blown Revolution

Like all the ones we've had before





# Revolutions are times of Great Threat

- Changing social structures mean incumbents are displaced and social capital and social structures are often upended
- Change brings unease, fear and resistance
- Social capital and social power changes hands
- It's easy to view revolutions with suspicion and distrust
  - particularly when many revolutions have been accompanied by a major body count as well!
  - More so this time when the very foundations of our digital systems are so unbelievably crappy!



It's all so  
broken..





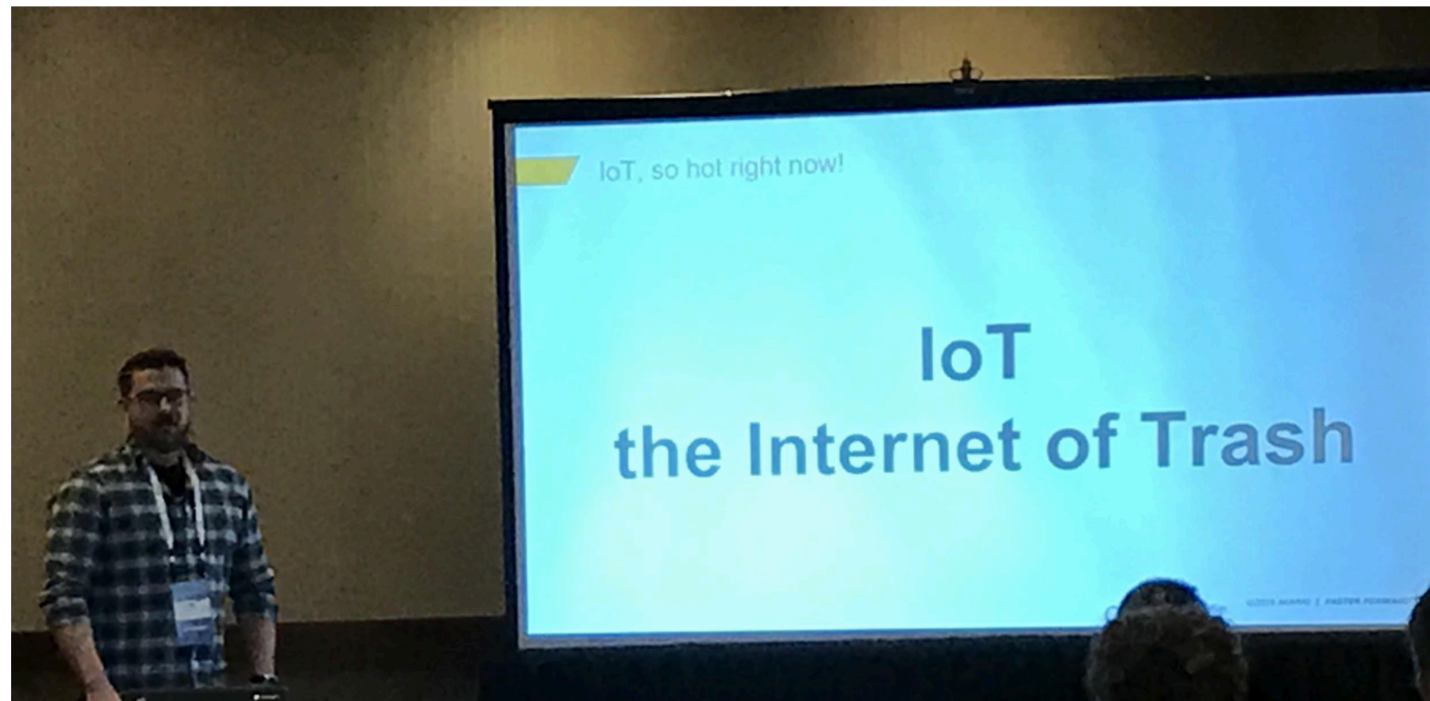
# The Darker Side of Digital Chaos

- Social Networking is a rancid festering societal cancer
- We build services to dimension to attack, not service
- Hacking is now attacking, and hackers are now nation state employees
- The Internet's basic security framework is ineffective against resourced nation state attackers practising unsophisticated digital disruption attacks against totally vulnerable and indefensible digital ecostructure
- The Internet is a toxic wasteland that glows in the dark

# It will only get worse

The S in IoT is for Security. <sup>[1]</sup>

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BBC

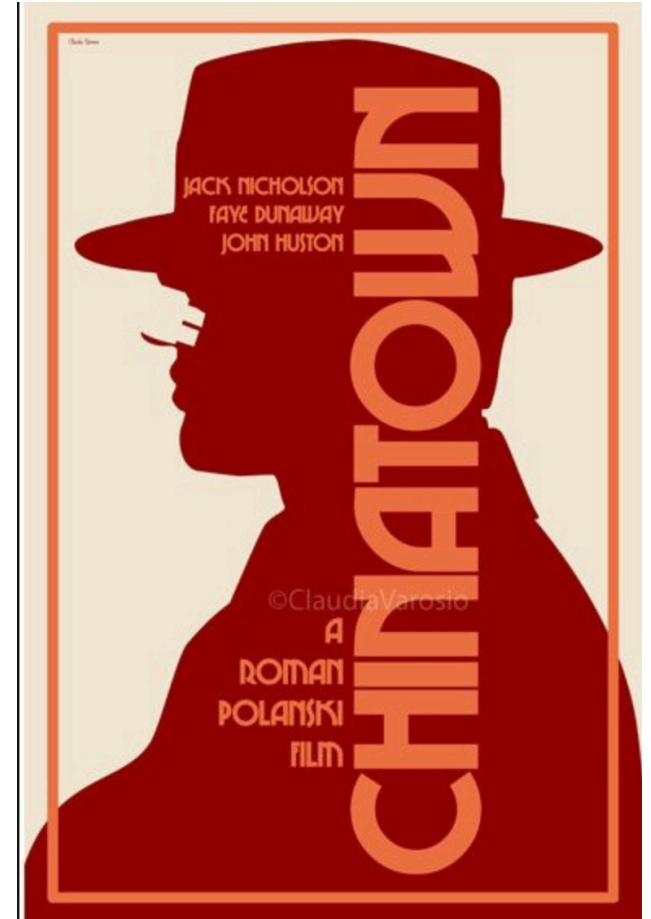
future**now**

The global internet is disintegrating.  
What comes next?

# The Internet's Future

Gittes: How much are you worth?  
Cross: I've no idea. How much do you want?  
Gittes: I just want to know what you're worth.  
Over ten million?  
Cross: Oh my, yes!  
Gittes: Why are you doing it? How much better can  
you eat? What can you buy that you  
can't already afford?  
Cross: The future, Mr. Gittes - the future!

Chinatown (1974)





# If you want to sleep tonight ...

Then I suggest that you try to forget about all of the following:

- Digital Privacy and Anonymity
- Web Security
- Encryption
- Quantum Computing
- AI
- Advertising Models
- Digital Markets and subsidies
- Cyber Warfare
- IOT
- (Any kind of) Security
- Ubiquitous Crap Software
- Monopolies
- A corrupted political sector driven completely by lobby interests
- An eviscerated Public Sector
- Climate Change
- COVID-19

# Wherever we're heading...

- It's not the Internet any more
- That has already died and gone to silicon heaven!

