It was thirty++ years ago …

On Sunday 23rd 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..

oh fuck what now
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. [1]
The global internet is disintegrating. What comes next?
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!