

Lord Erroll - Merlin

Member of the HOUSE of LORDS - an Independent Peer

PITCOM	Parliamentary Information Technology Committee
EURIM	European Information Society Group (Director)
apComms	All-Party Communications Group (Secretary)
LASSeO	Local Authority Smartcard Standards e-Organisation
E-RA	E-business Regulatory Alliance (President)
ISSA UK	Information Systems Security Association Advisory Board
Nominet UK	Policy Advisory Body

All-Party Group for Entrepreneurship (Vice Chair)

Select Committee on Science & Technology – Personal Internet Security

www.e-ra.org.uk

www.SecretSommelier.com

PGP International Advisory Board

GTC International Council

CRC Procurement

Nothing Changes

**The budget should be balanced,
the Treasury should be refilled,
public debt should be reduced,
the arrogance of officialdom should be tempered
and controlled,
and the assistance to foreign lands should be
curtailed lest R... become bankrupt.
People must again learn to work,
instead of living on public assistance.**

PRIVACY

I'll speak for just under one and a half microcenturies on

Privacy Protecting People

or

People Protecting Privacy

UNDERSTANDING THE THREAT

**When there are only two possible courses of action,
The enemy will always take the third.**

Merlin



A LORD





The Citizen - The State - Business

PROTECT and **PROVIDE**

Balanced with

RISK and **REWARD**

“I have done nothing wrong, I have nothing to fear”

But 40% of the data is inaccurate!

Rules cannot control a Complex System

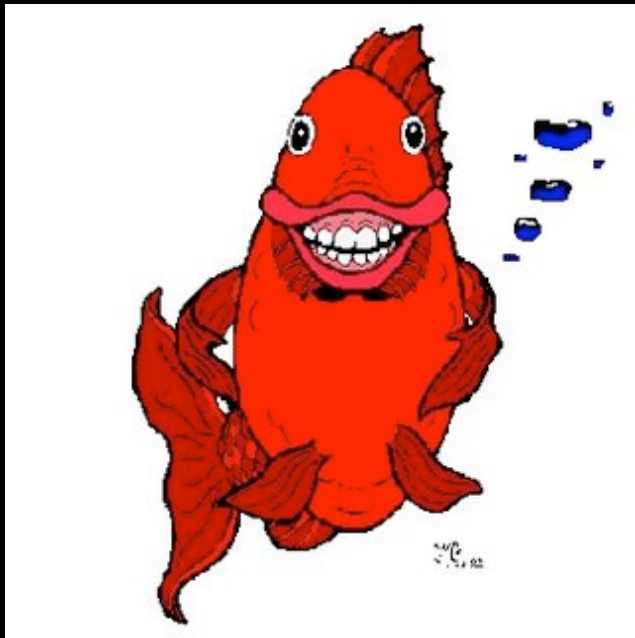
- A complex system is not deterministic
 - An identical set of circumstances will have different outcomes on subsequent occasions
- Rules only affect a few nodes and links
 - The law of unintended consequences
- We can define boundaries to behaviour

Catching Criminals – fast!

Your daughter has disappeared
Where is her mobile?

but this may give someone the power
to find out who your friends are

Misdirection



This is a Red Herring

>>>



"Wild Goose Chase"
by Thomas Nast

This is a Wild Goose Chase

The Great and the Good!

“He had a conviction dating from
stude
n
t days for sending cannabis through the post to a friend”



What turns you on?

Risk Taking v. Safety & Security

Entrepreneur v. Corporate

Life in your Years or Years in your Life

Is pleasure a Good Thing?

Puritanism is the haunting fear that
someone, somewhere
might be enjoying themselves

LOTS OF LAWS

- **Data Protection Act** — Safeguarding personal information
- **Computer Misuse Act** — Hacker Tools & Pen Testing
- **RIPA** — Rules for demanding data, also encryption keys
- **Anti-Terrorism, Crime & Security Act** — Data Retention
- **Identity Cards Act** - False documents
- **Serious Crime Bill** - Data sharing with CIFAS
- **Police & Justice Act** — Amends CMA
- **Statistics Act** — Data sharing
- **Criminal Justice & Immigration Act** — ICO's powers, D.S.

MORE LAWS

- **Citizenship, Immigration & Borders Bill** - e-Borders
- **Policing & Crime Bill** – ?
- **Coroners & Justice Bill** – Data Sharing & ICO's powers
- **Communications Data Bill** – Access to all CD
- **And**

International Issues

- Convention on Cybercrime
- Extra-territorial reach of Domestic Laws
 - USA - Gambling
 - Mackinnon
- MLAT (Mutual Legal Assistance Treaty)

Internet Governance

BRIC battles:
UN - ITU – IGF

Wyclef's vernacular Bible & printing press

SaaS – where is the data in The Cloud?

Lords S&T Committee Personal Internet Safety

- Always be gullible & greedy people
- Technology alone won't protect people
- Incentives rather than Regulations

My Ancestor beheaded in 1746



Hedging your bets: His son was on the Government side



The Financial Climate

Risk up – Budget down

Fraud Triangle

Pressure – Opportunity – Rationalisation

WHACK-A-MOLE

Whatever you do, people will misbehave

You can't control everyone & all behaviour

Some people at the very top are corrupt

GAMES

Instinct vs Evaluation

Random vs Predictable

419er vs Intelligent Person

Murphy & Kelly's Laws

Total Information Access

Data Mining

- Predict criminality
- Pseudonymisation

Witness Anonymity

- French DPA & whistleblowers

Culture of Fear

- Children kept at home
- Internet enables their social life

Systems must protect the Individual

- Chinese Walls
- Abnormal behaviour
- Unauthorised access
- Social engineering
- Encrypt data – especially when mobile
- Authentication is a two-way process

Personal Information Promise

Information Commissioner

5. Make it easy for individuals to access and correct their personal information
6. Keep personal information to the minimum necessary and delete it when we no longer need it

Wooden Firewalls don't work

Hay fortified tower at Erroll – 12th C



Executive power can force entry Old Slains, blown up in 1595



What does The Future hold?

Total Information Access

Could it overload the authorities?

YottaByte YB 2^{80} or 10^{24}

Your Biography will be public

Useless for strong security purposes

Accept “Moments of Madness”

A Right to Rehabilitation

FINAL THOUGHTS

Government Efficiency v. Privacy for the Entity

- Intrusion & Control must be targeted tightly

Impact of data misuse – Data Integrity

- Mis-interpretation vs. Non-interpretation

Polymorphic Defence

- It is easier to attack the predictable – be Agile

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