Disruptive digital archives

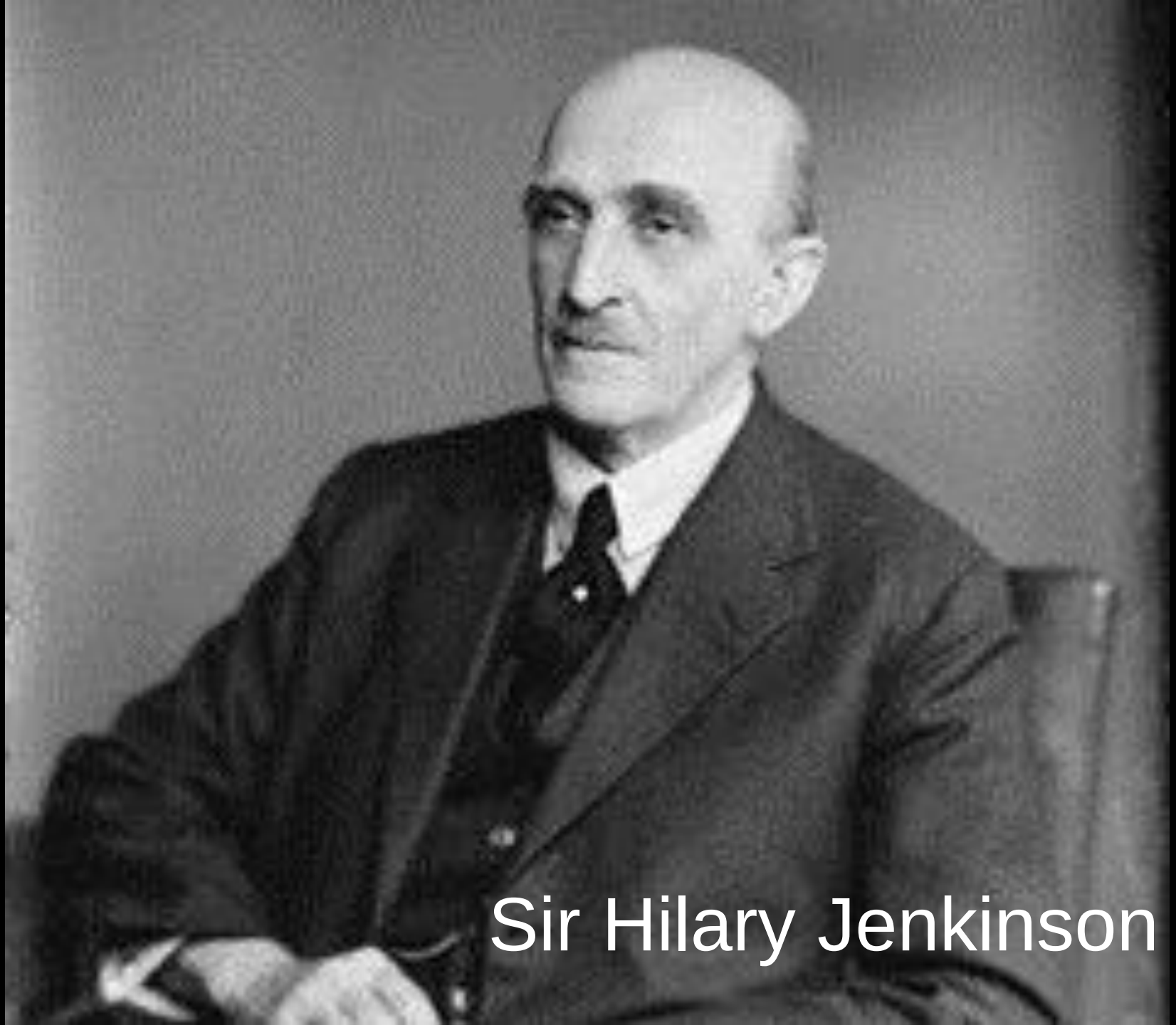
John Sheridan

Digital Director

13 September 2017

The National Archives

Theodoor van Riemsdijk



Sir Hilary Jenkinson

ECONOMIC AND SOCIAL HISTORY OF
THE WORLD WAR

BRITISH EDITORIAL BOARD

Sir William H. Beveridge, K.C.B., M.A., B.C.L. (Chairman).
H. W. C. Davis, C.B.E., M.A.
Sir Edward C. K. Gonner, K.B.E., M.A., Litt.D.
F. W. Hirst, Esq.
Thomas Jones, M.A.
J. M. Keynes, C.B., M.A.
Professor W. R. Scott, D.Phil., Litt.D., LL.D., F.B.A.
Professor J. T. Shotwell, Ph.D. (*ex officio*).

For List of other Editors and the plan of the Series see end of this volume.

A MANUAL OF
ARCHIVE ADMINISTRATION

INCLUDING THE PROBLEMS OF

WAR ARCHIVES AND ARCHIVE MAKING

BY

HILARY JENKINSON, M.A., F.S.A.

SOMETIME SCHOLAR OF PEMBROKE COLLEGE, CAMBRIDGE
F. W. MAITLAND MEMORIAL LECTURER IN THE UNIVERSITY OF CAMBRIDGE
LECTURER ON PALAEOGRAPHY AND ARCHIVES IN THE
UNIVERSITY OF LONDON

OXFORD: AT THE CLARENDON PRESS
London, Edinburgh, New York, Toronto, Melbourne and Bombay
HUMPHREY MILFORD
1922

T R Schellenberg

Modern Archives

PRINCIPLES & TECHNIQUES

T. R. Schellenberg

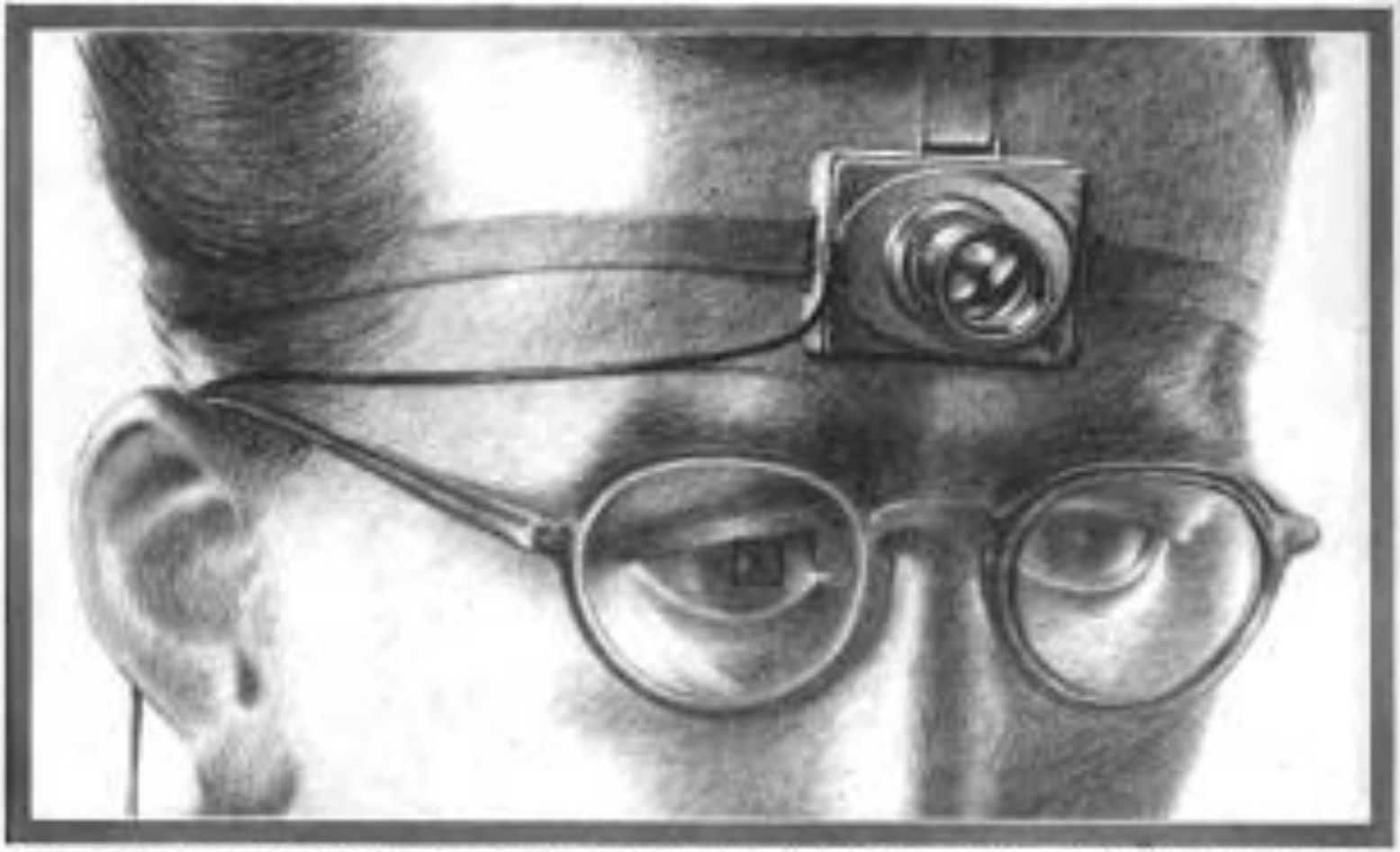
WITH A NEW INTRODUCTION BY

H. G. Jones

THE SOCIETY OF AMERICAN ARCHIVISTS
SAA
ESTABLISHED 1936

CHICAGO

MEANWHILE…

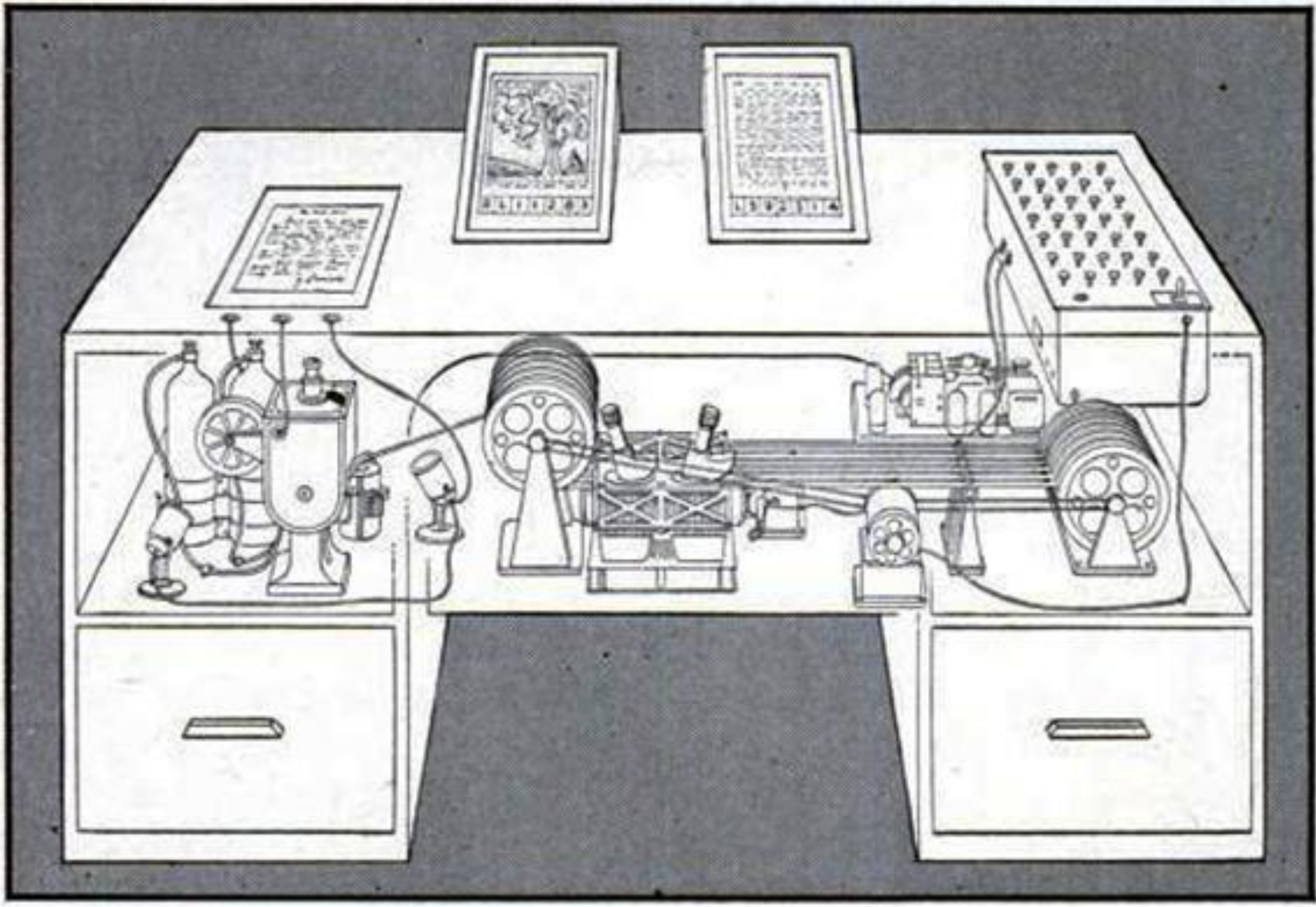


AS WE MAY THINK

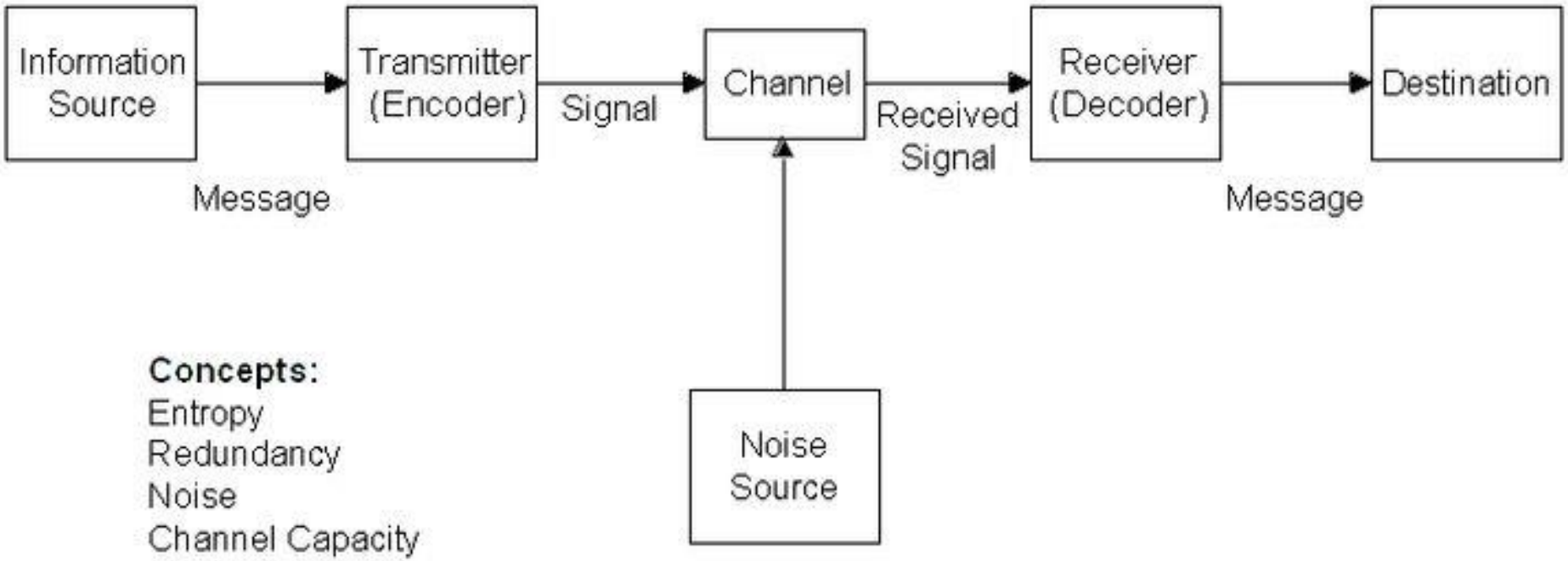
A TOP U. S. SCIENTIST FORESEES A POSSIBLE FUTURE WORLD IN WHICH MAN-MADE MACHINES WILL START TO THINK

by VANNEVAR BUSH

Condensed from the Atlantic Monthly, July 1945

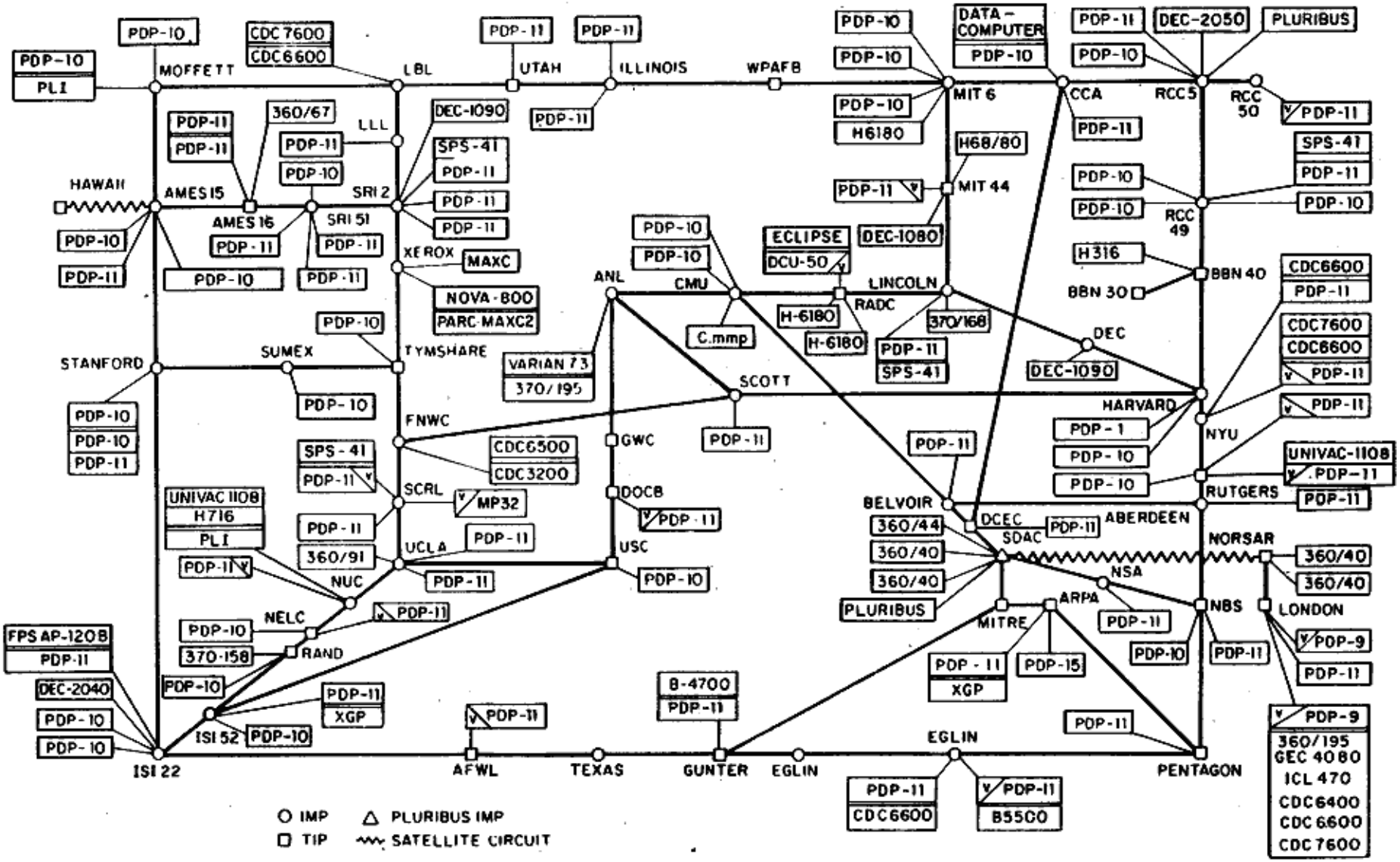


The Shannon-Weaver Mathematical Model, 1949



Concepts:
Entropy
Redundancy
Noise
Channel Capacity

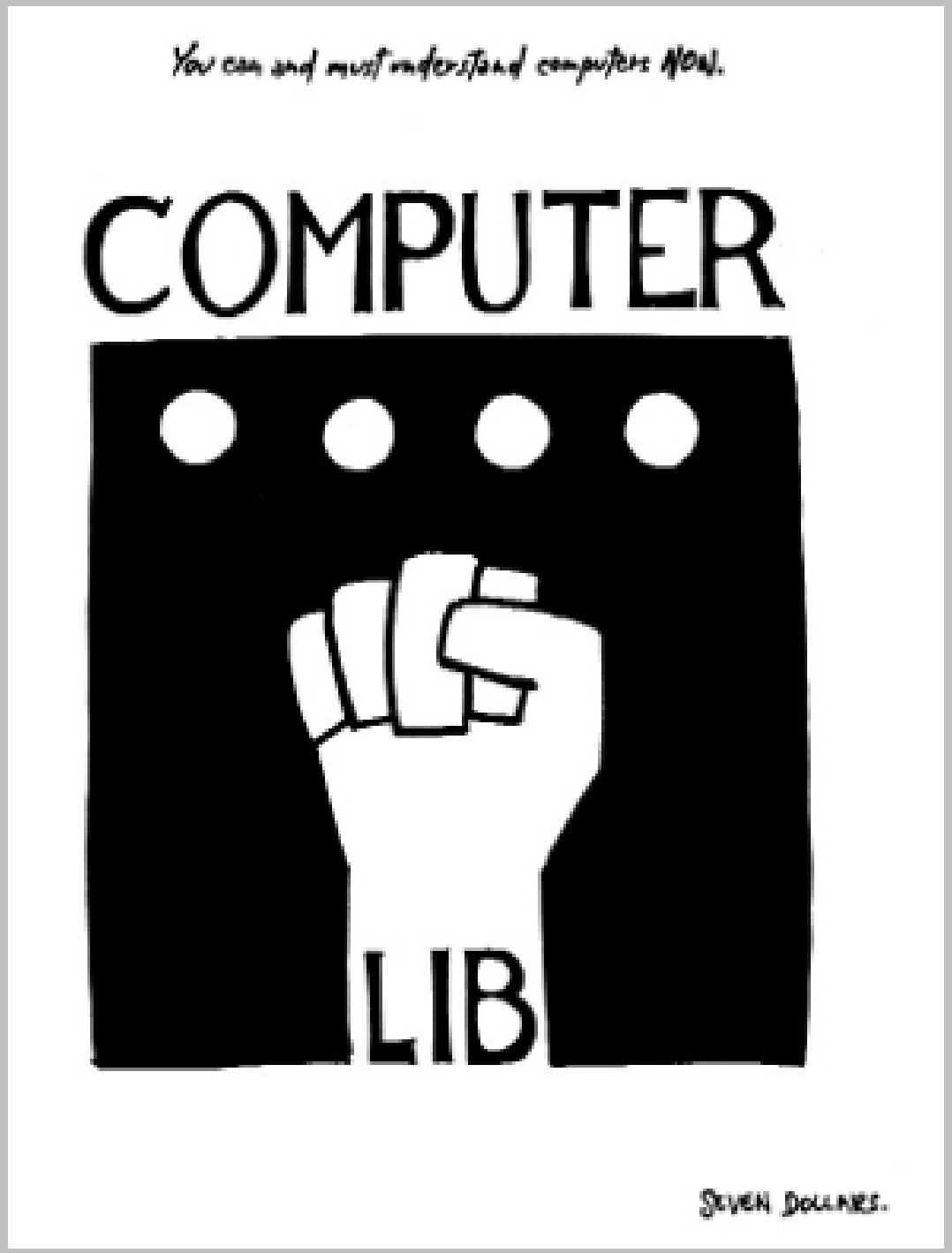
ARPANET LOGICAL MAP, MARCH 1977



(PLEASE NOTE THAT WHILE THIS MAP SHOWS THE HOST POPULATION OF THE NETWORK ACCORDING TO THE BEST INFORMATION OBTAINABLE, NO CLAIM CAN BE MADE FOR ITS ACCURACY)

NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES

ORANGES
APPLES
BANANAS
CARROTS
LETTUCE
BEANS
CANS
APPLE SAUCE
BEAN SOUP
TOMATO SOUP
CEREALS
BREAD
NOODLES (ELBOW KIND)
FRENCH BREAD
COLD LOCKER
MILK


You can and must understand computers NOW.
COMPUTER
LIB
SEVEN DOLLARS.

Computer Lib/Dream Machines (Nelson 1974)

"**Everything is deeply intertwingled**. In an important sense there are no 'subjects' at all; there is only all knowledge, since the cross-connections among the myriad topics of this world simply cannot be divided up neatly. Hierarchical and sequential structures, especially popular since Gutenberg, are usually forced and artificial. Intertwingularity is not generally acknowledged—**people keep pretending they can make things hierarchical, categorizable and sequential when they can't**."

David Bearman

Archival Methods (Bearman, 1989)

- Traditional methods employed in archives for appraisal, description, preservation, and access to records fail to meet archival needs, because **the demands exceed the capacity of the profession** - and by more than an order of magnitude!
- Advocates radical post-custodialism

OBSOLETE?

CERN

Episode IV

A NEW HOPE

Read More

Server Statistics

Archive Statistics

Job Opportunities at the Internet Archive

Usage Logs

News [more]

Motherboard - These Ancient GIFs Are a Dose of Good Internet

Bitcoin.com - Internet Archive and Overstock to â€˜Hodlâ€™ More Bitcoin Revenue and Donations

Art and Cake - Katie Herzog, Rubbing the Internet Archive

SFist - Internet Archive Trying To Digitize Every Old 78 Record In Existence

WGAL 8 - How one group is salvaging old 78 records

pakwired - 43 of the Most Useful Websites in 2017

Local News Conference - Online Access to Archived Pages on the Internet Archive Uncertain for Researchers

A View From The Brink - Indian literature comes to the 'temple of knowledge'

TechSpot - The Internet Archive is collecting AOL free trial CDs

Half Moon Bay Magazine - Time Traveler

About the Internet Archive

The Internet Archive is a 501(c)(3) non-profit library. Founded in 1996, our mission is to provide Universal Access to All Knowledge. We collect published works and make them available in digital formats. We are building a public library that can serve anyone in the world with access to the Internet.

We began in 1996 by archiving the Internet itself, a medium that was just beginning to grow in use. Like newspapers, the content published on the web was ephemeral - but unlike newspapers, no one was saving it. Today we have 20+ years of web history accessible through the Wayback Machine and we work with 450+ library and other partners through our Archive-It program to identify important web pages.

As our web archive grew, so did our commitment to providing digital versions of other published works. Today our archive contains:

- 279 billion web pages
- 11 million books and texts
- 4 million audio recordings (including 160,000 live concerts)
- 3 million videos (including 1 million Television News programs)
- 1 million images
- 100,000 software programs

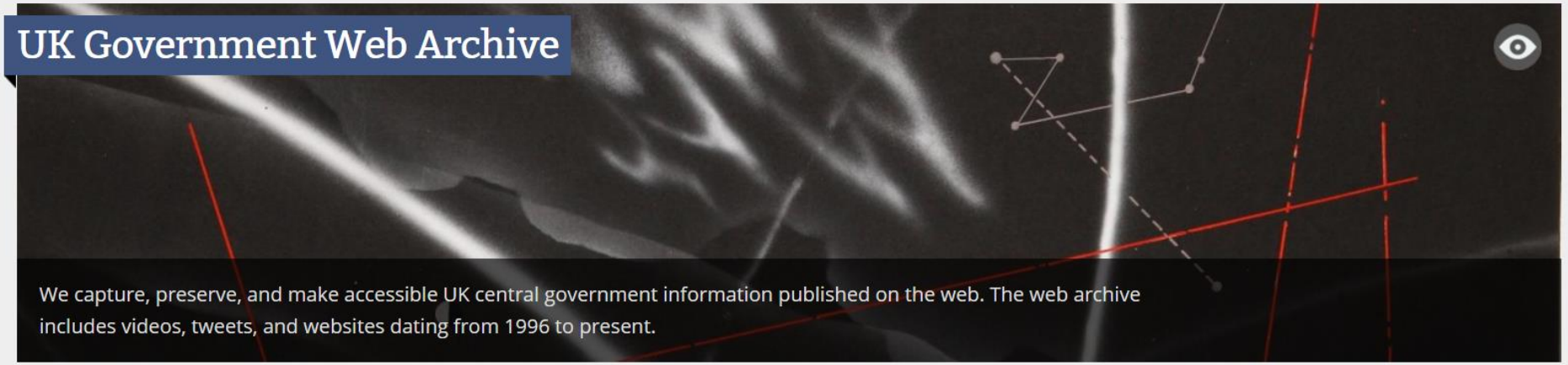
Anyone with a free account can upload media to the Internet Archive. We work with thousands of partners globally to save copies of their work into special collections.

Because we are a library, we pay special attention to books. Not everyone has access to a public or academic library with a good collection, so to provide universal access we need to provide digital versions of books. We began a program to digitize books in 2005 and today we scan 1,000 books per day in 28 locations around the world. Books published prior to 1923 are available for download, and hundreds of thousands of modern books can be borrowed through our Open Library site. Some of our digitized books are only available to the print disabled.

Like the Internet, television is also an ephemeral medium. We began archiving television programs in late 2000, and our first public TV project was an archive of TV news surrounding the events of September 11, 2001. In 2009 we began to make selected U.S. television news broadcasts searchable by captions in our TV News Archive. This service allows researchers and the public to use television as a citable and sharable reference.

The Internet Archive serves millions of people each day and is one of the top 300 web sites in the world. A single copy of the Internet Archive library collection occupies 30+ Petabytes of server space (and we store at least 2 copies of everything). We are funded through donations, grants, and by providing web archiving and book digitization services for our partners. As with most libraries we value the privacy of our patrons, so we avoid keeping the IP (Internet Protocol) addresses of our readers and offer our site in https (secure) protocol.

UK Government Web Archive



We capture, preserve, and make accessible UK central government information published on the web. The web archive includes videos, tweets, and websites dating from 1996 to present.

Search

Search the entire UK Government Web Archive.

Browse A to Z of archived websites

Find an archived website in our collection by browsing our full A-Z list.

Twitter archive

See tweets archived from UK Government Twitter accounts.

Video archive

Watch videos archived from UK Government YouTube accounts.

How to use the web archive

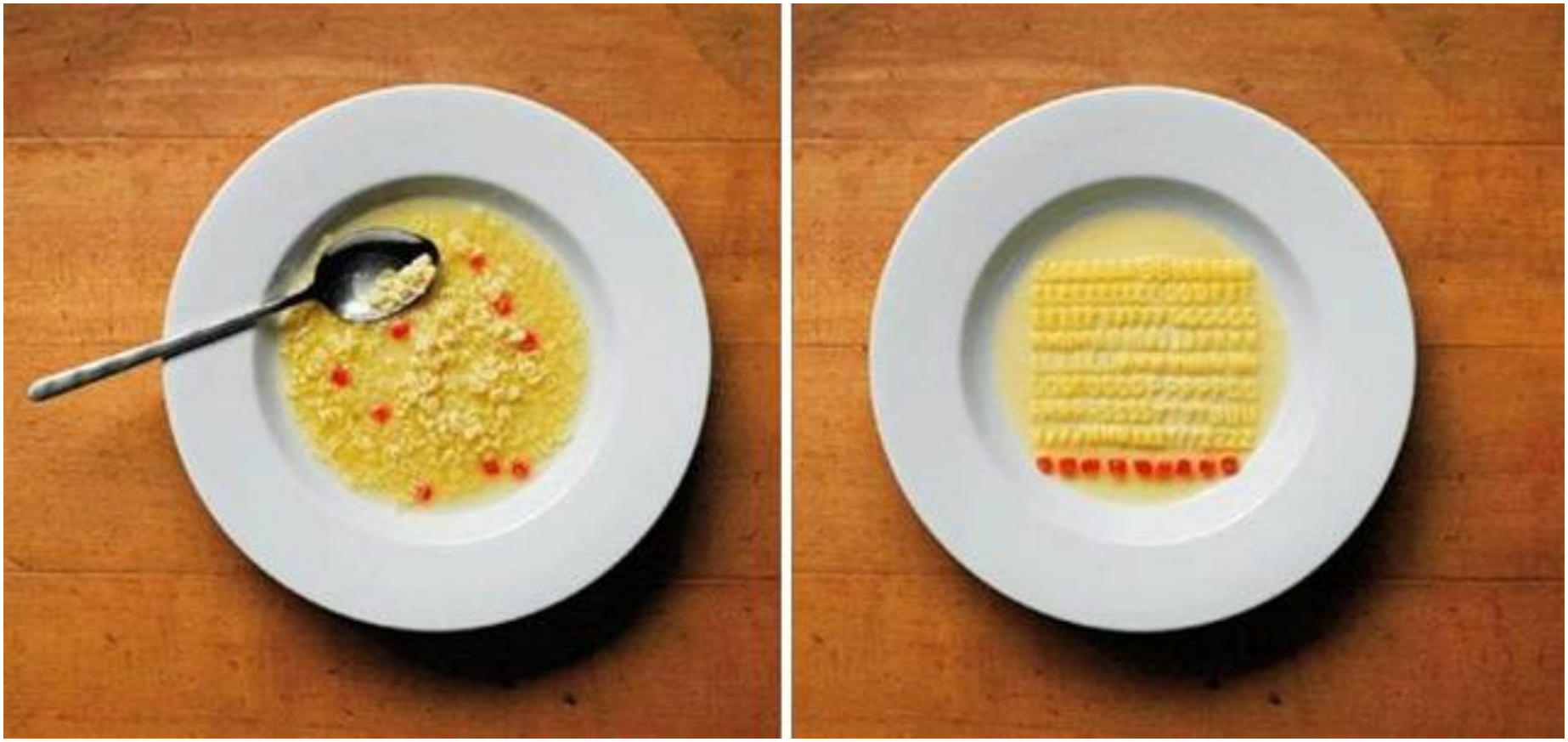
Learn more about the UK Government Web Archive and how to use it.

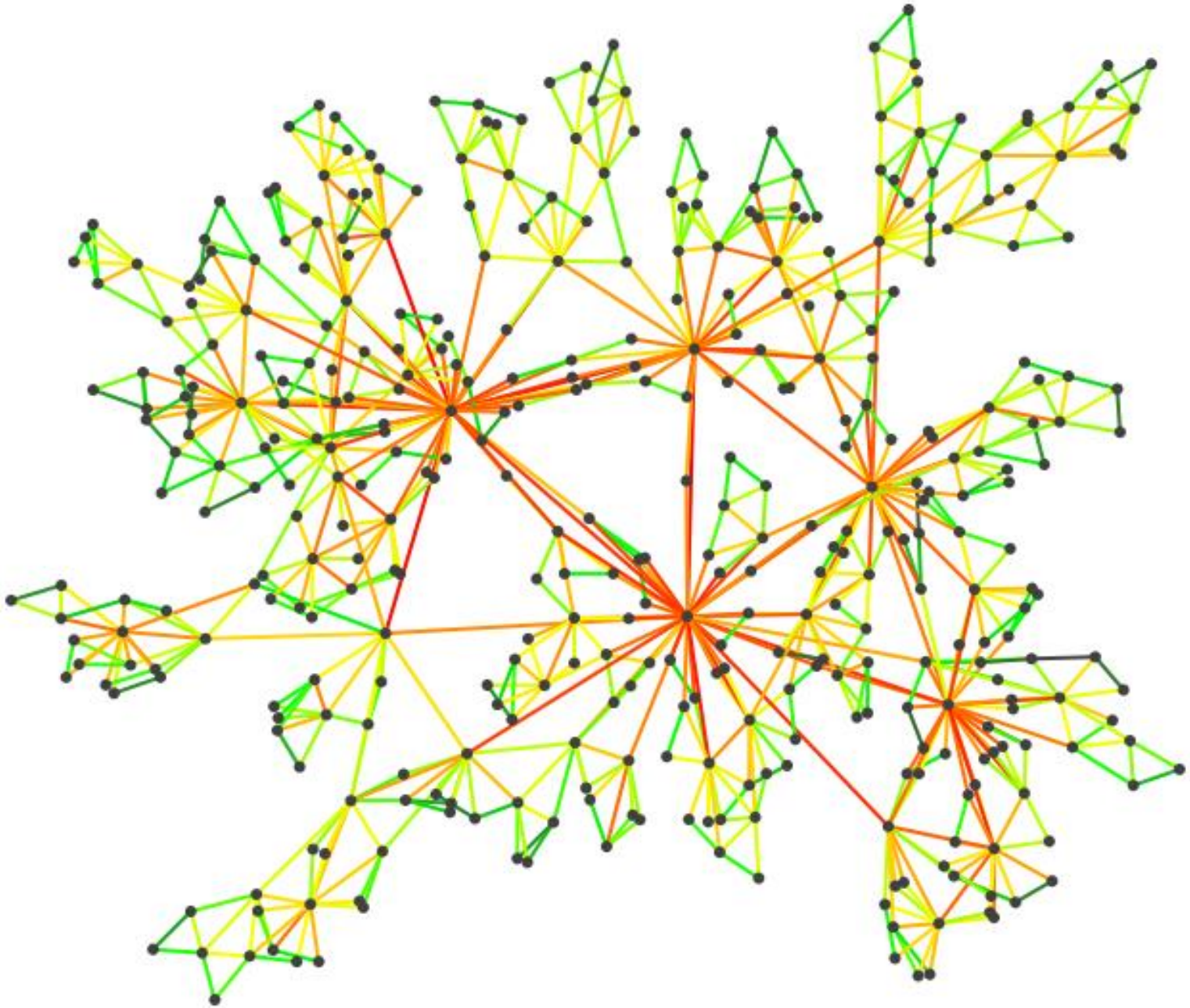
Guidance for website managers

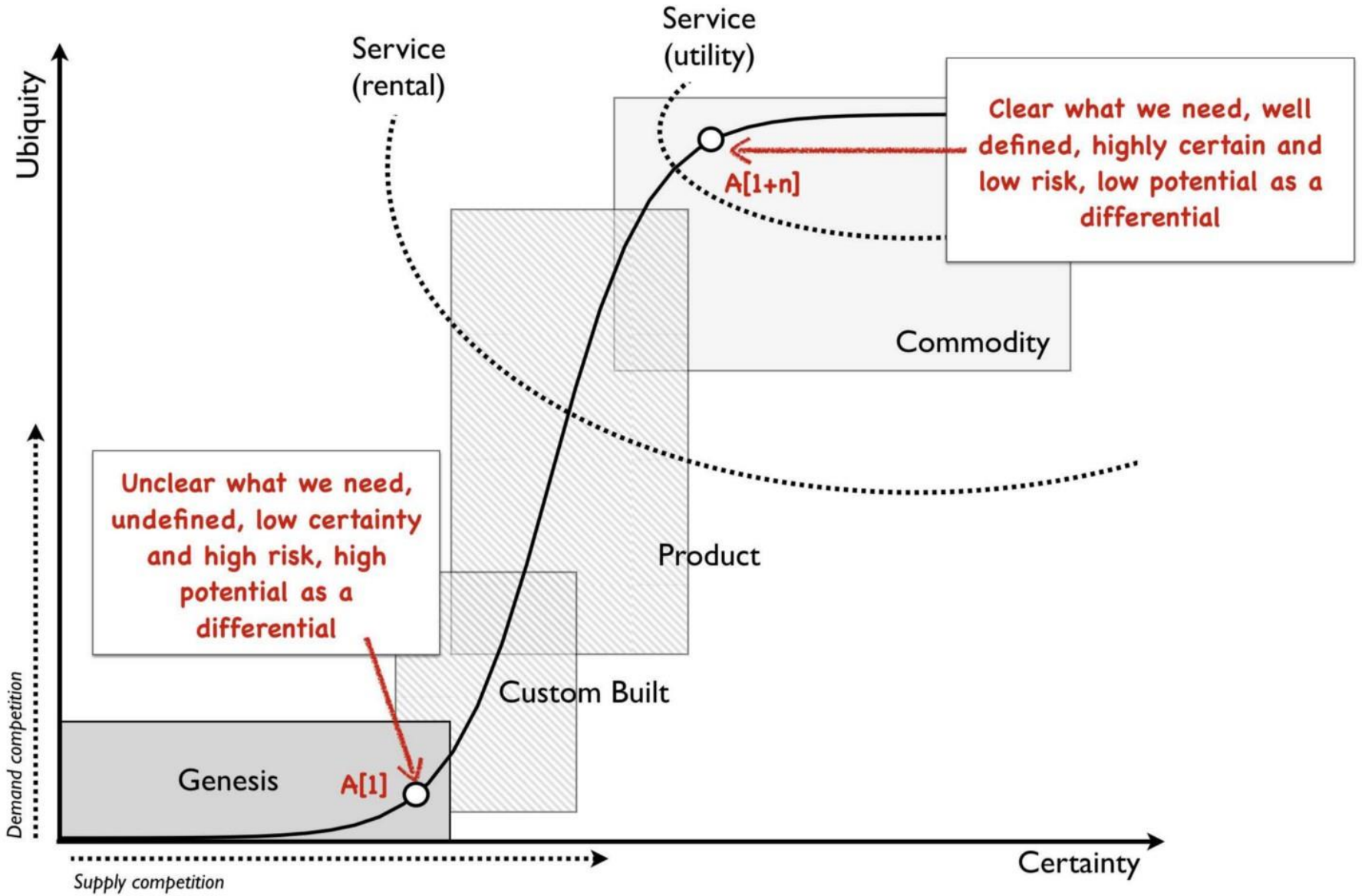
View our technical guidance on web archiving and web continuity.

DISRUPT
OR BE DISRUPTED
PICK ONE

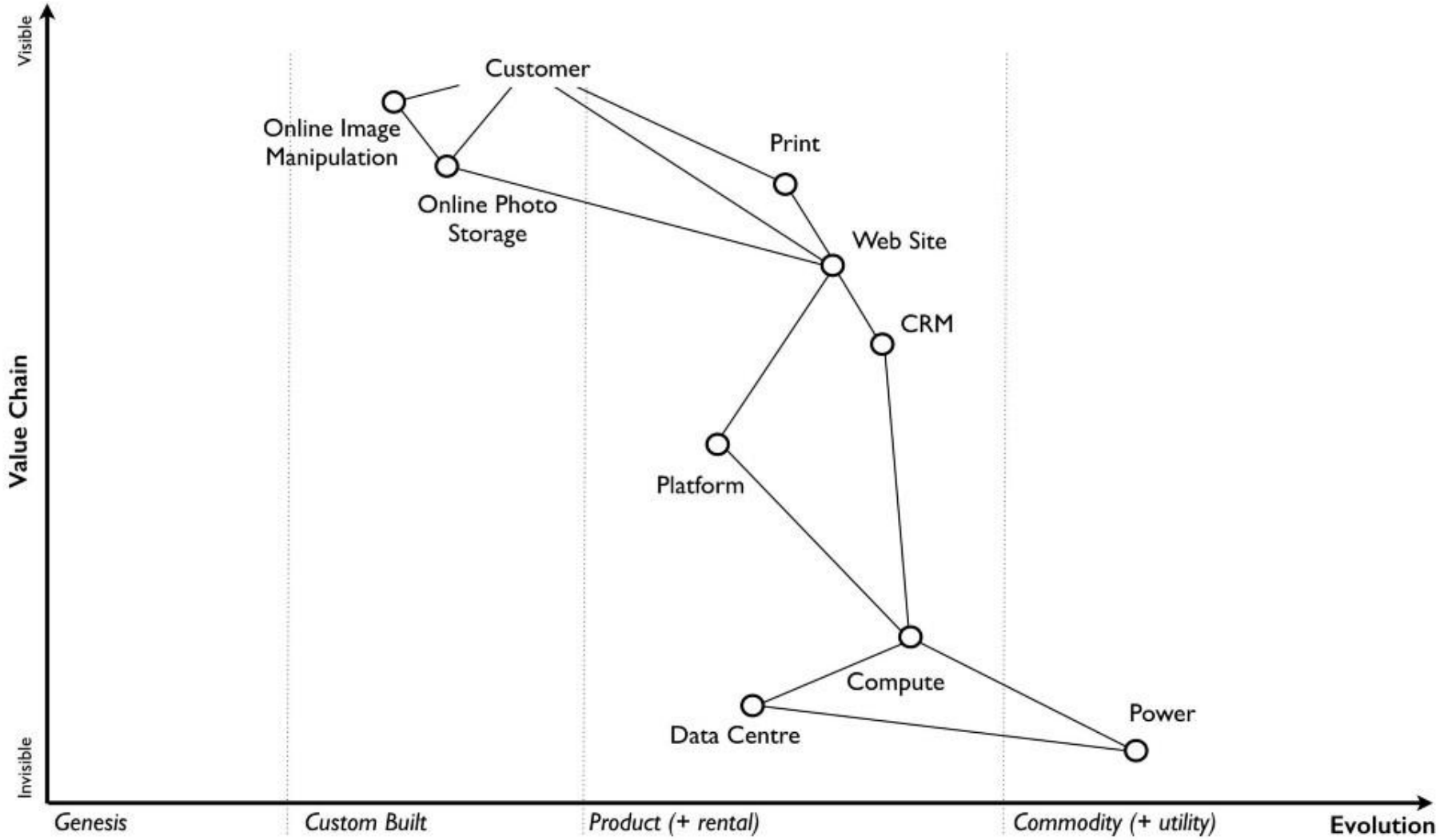
Arrival
Transfer

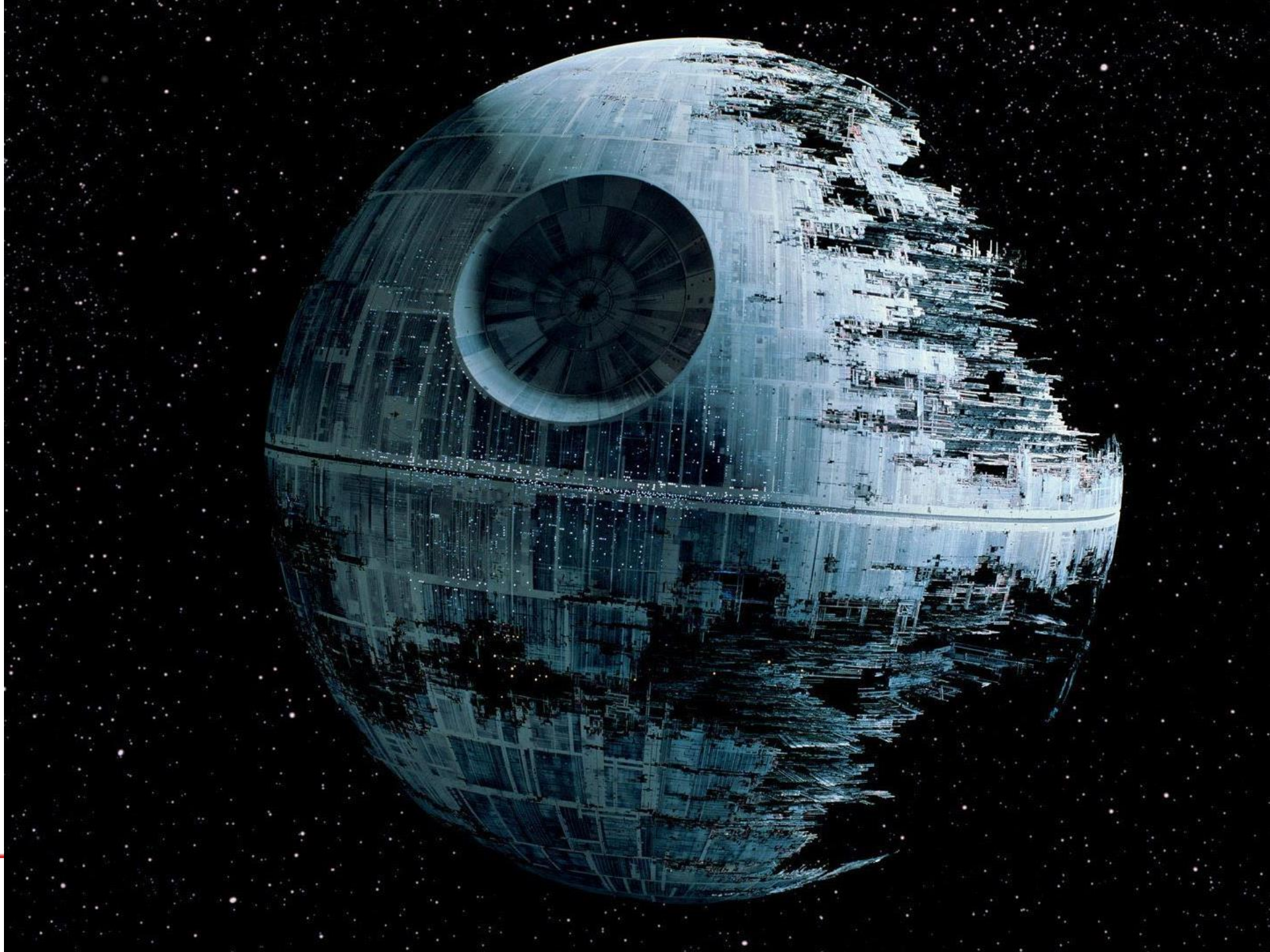




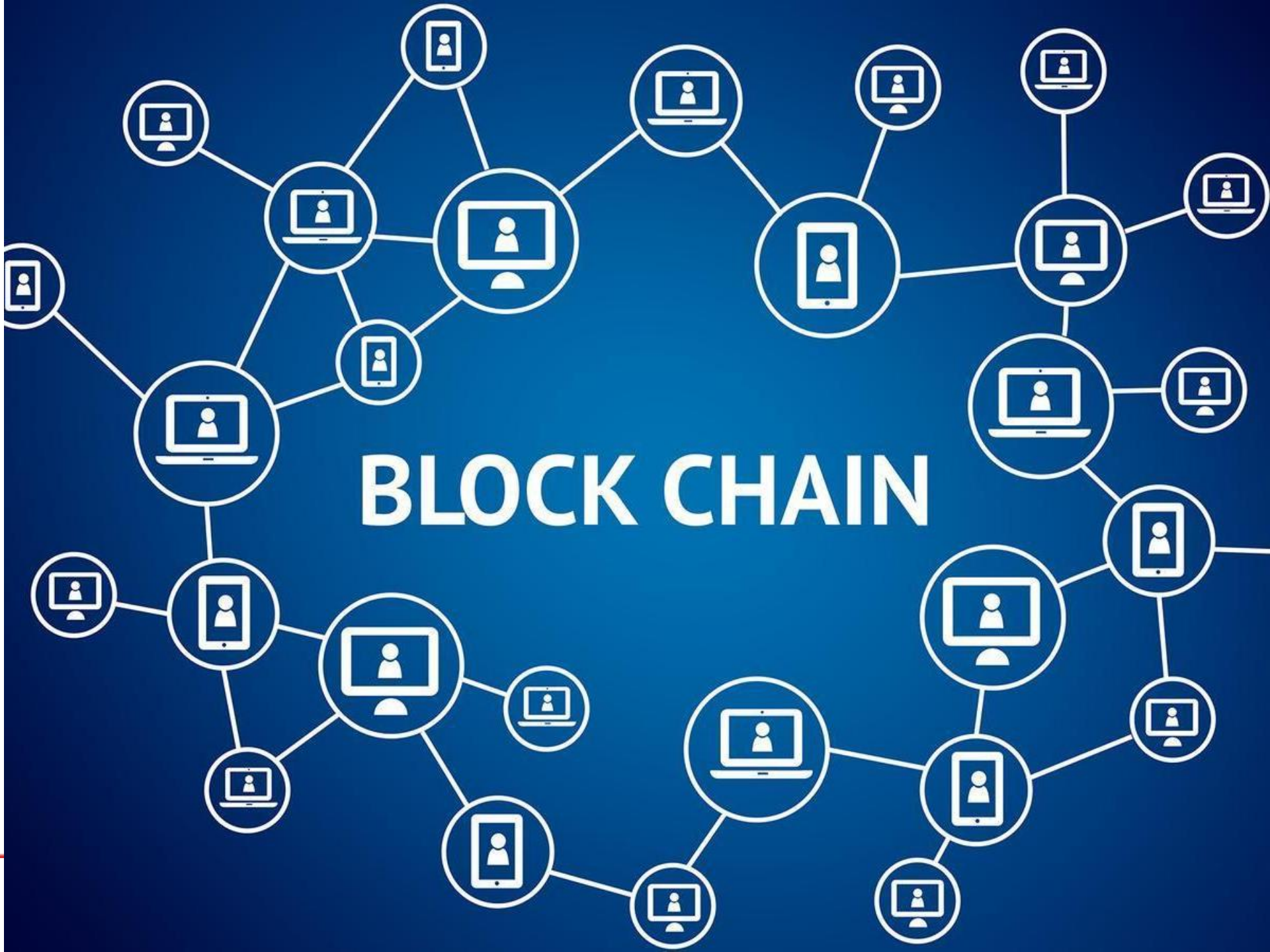


The National Archives


Visible
Invisible
Value Chain
Customer
Online Image Manipulation
Online Photo Storage
Print
Web Site
CRM
Platform
Compute
Data Centre
Power
Genesis
Custom Built
Product (+ rental)
Commodity (+ utility)
Evolution



Ceci n'est pas une pipe.


BLOCK CHAIN

Archangel

UNIVERSITY OF
SURREY

CODE
SURREY CENTRE FOR THE DIGITAL ECONOMY

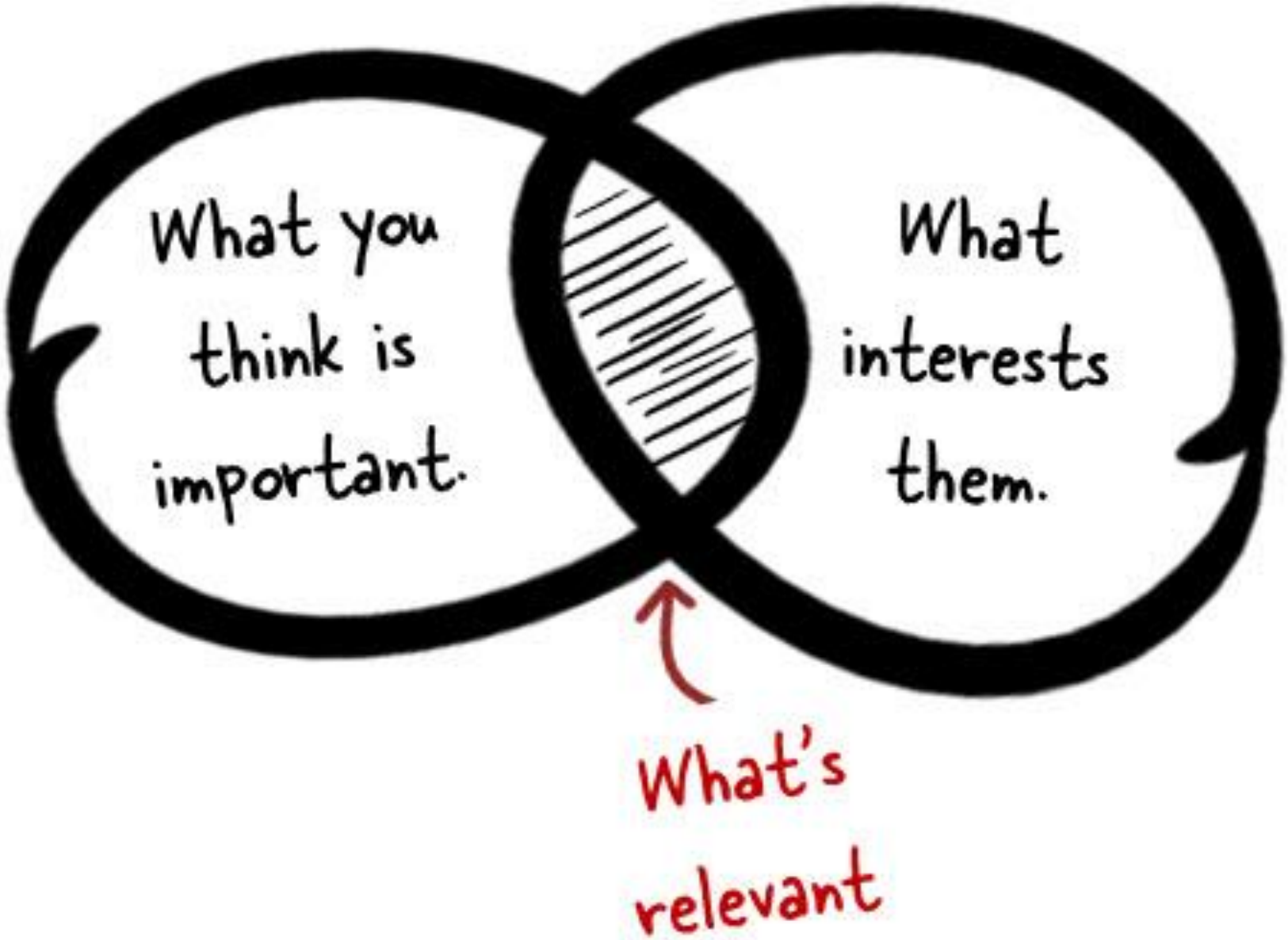
Knowledge for everyone

Archangel

- An 18 month project researching the **long-term sustainability of digital archives** through new **transformational DLT solutions** that will ensure both **accessibility and integrity of digital archives** – whilst **maximizing their impact** through novel models for **commodification and open access**.

Video playing

55
0
5
10
15


What you think is important.
What interests them.
What's relevant

Ultimately, even in this digital age, it falls to archivists to create and sustain archives

The National Archives commits to apprenticeships as part of plan to ramp up digital headcount

Written by **Sam Trendall** on 14 August 2017 in **News**

Organisation is only public body working with Ada National College for Digital Skills as it plans to increase number of digital employees by 50%

The National Archives is committed to fostering its own talent as part of plans to rapidly grow its legion of digital specialists.

The archive currently employs about 600 people, around one in six of whom are focused on digital. Over the next two years the organisation intends to increase its total number of staff in this area from 100 to 150, digital director John Sheridan told

Latest articles

Introducing the Harris T7 – the MoD's new £1m bomb-disposal robot