

Navigating the maelstrom

John Sheridan

4 May 2023

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Statement of human work

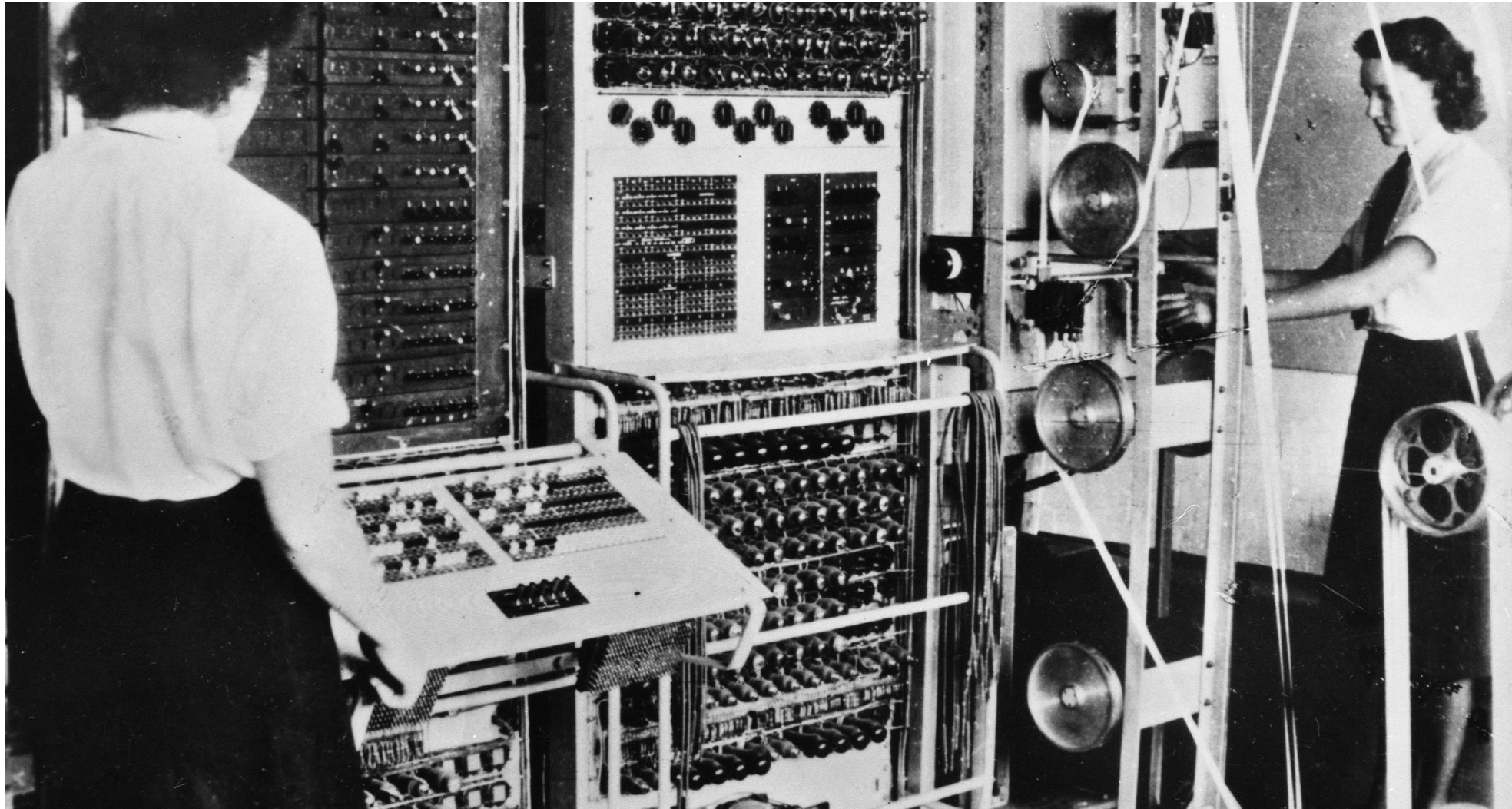
This presentation was entirely prepared by a human being, working without the assistance of any Artificial Intelligence.

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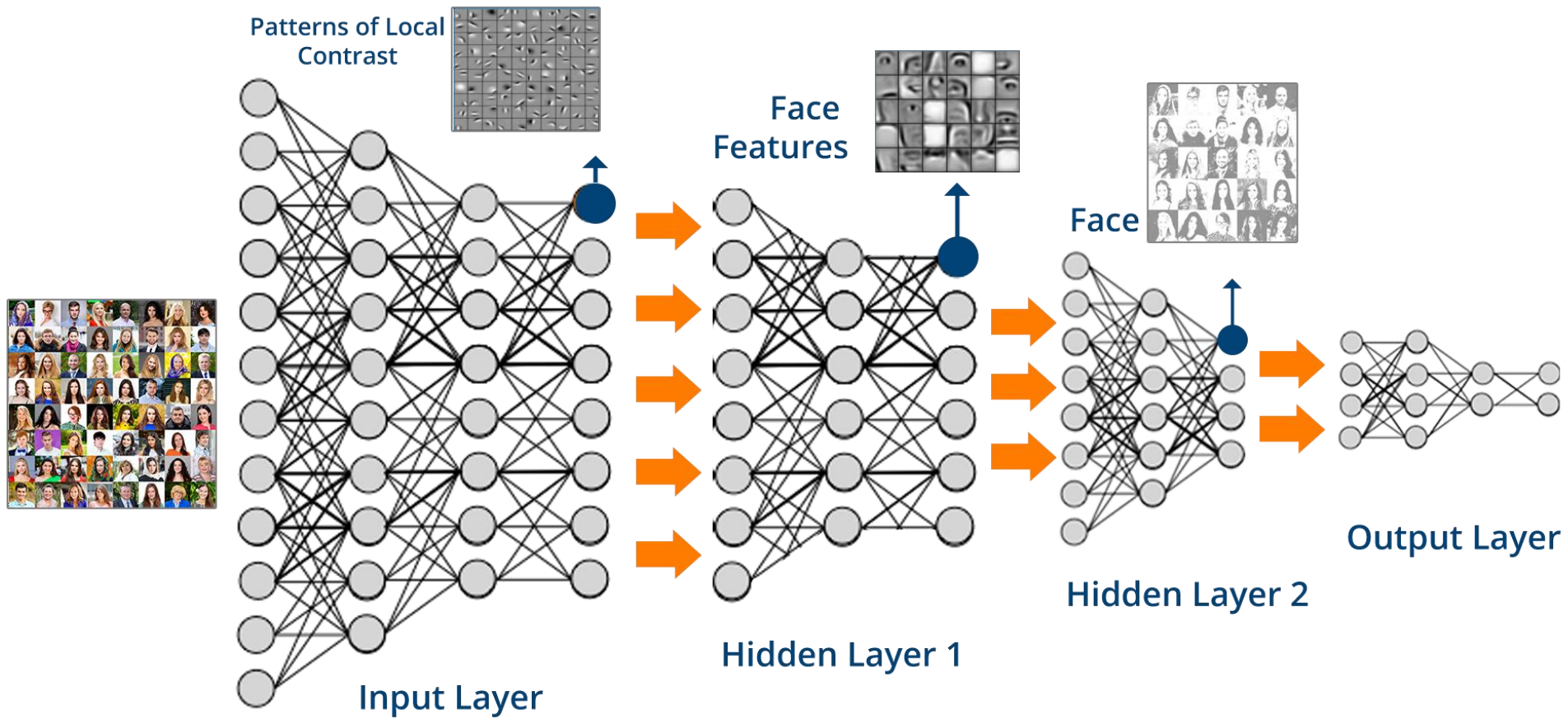
Colossus, the first large scale electronic computer



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ARTIFICIAL INTELLIGENCE

GPT-4 is bigger and better than ChatGPT— but OpenAI won't say why

We got a first look at the much-anticipated big new language model from OpenAI. But this time how it works is even more deeply under wraps.

By Will Douglas Heaven

March 14, 2023



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$$H(X) := - \sum_{x \in \mathcal{X}} p(x) \log p(x) = \mathbb{E}[-\log p(X)],$$

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International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A ● —
B — ● ● ●
C — ● — ●
D — ● ●
E ●
F ● ● — ●
G — — ●
H ● ● ● ●
I ● ●
J ● — — —
K — ● —
L ● — ● ●
M — —
N — ●
O — — —
P ● — — ●
Q — — ● —
R ● — ●
S ● ● ●
T —

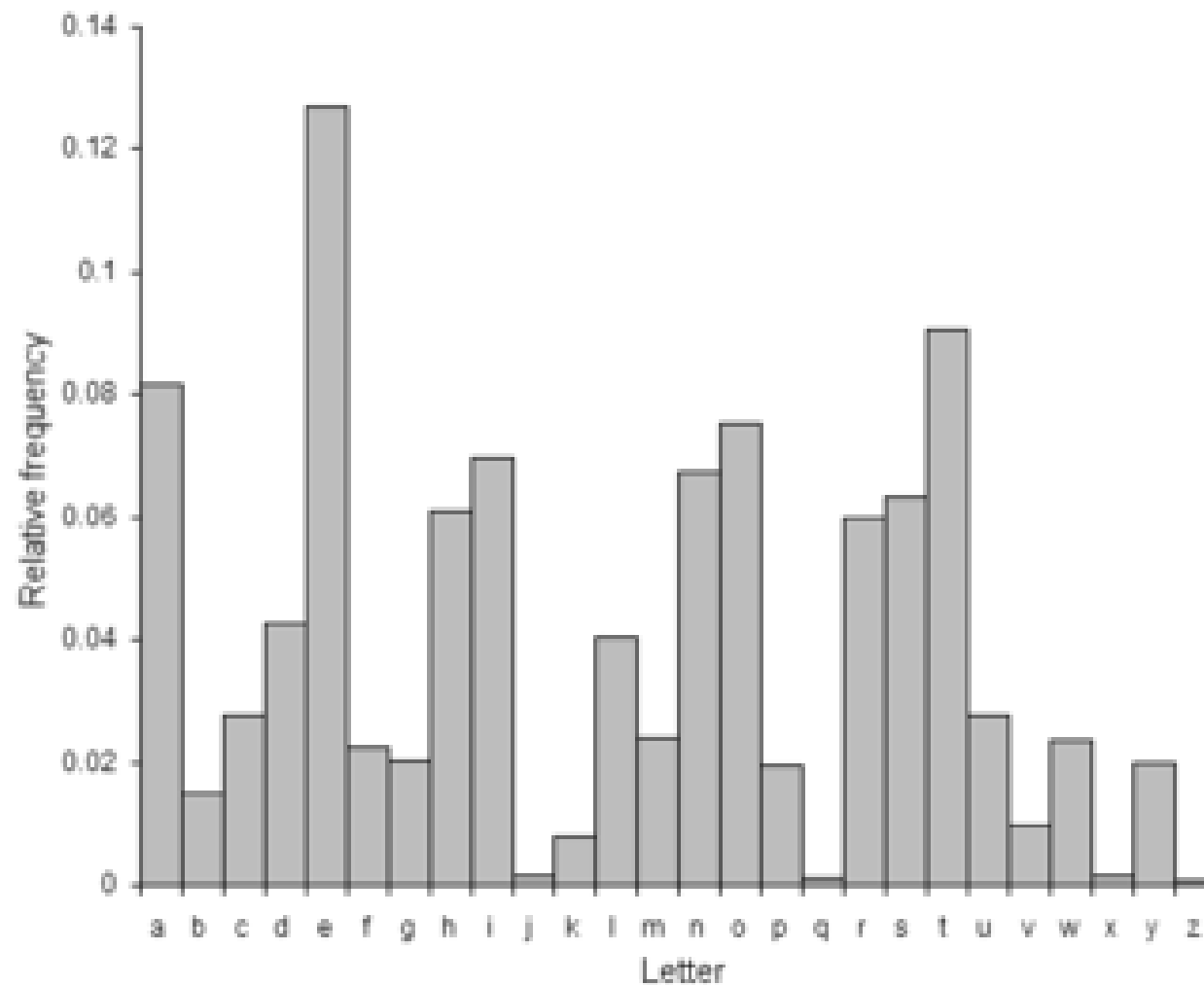
U ● ● —
V ● ● ● —
W ● — —
X — ● ● —
Y — ● — —
Z — — ● ●

1 ● — — — —
2 ● ● — — —
3 ● ● ● — —
4 ● ● ● ● —
5 ● ● ● ● ●
6 — ● ● ● ●
7 — — ● ● ●
8 — — — ● ●
9 — — — — ●
0 — — — — —

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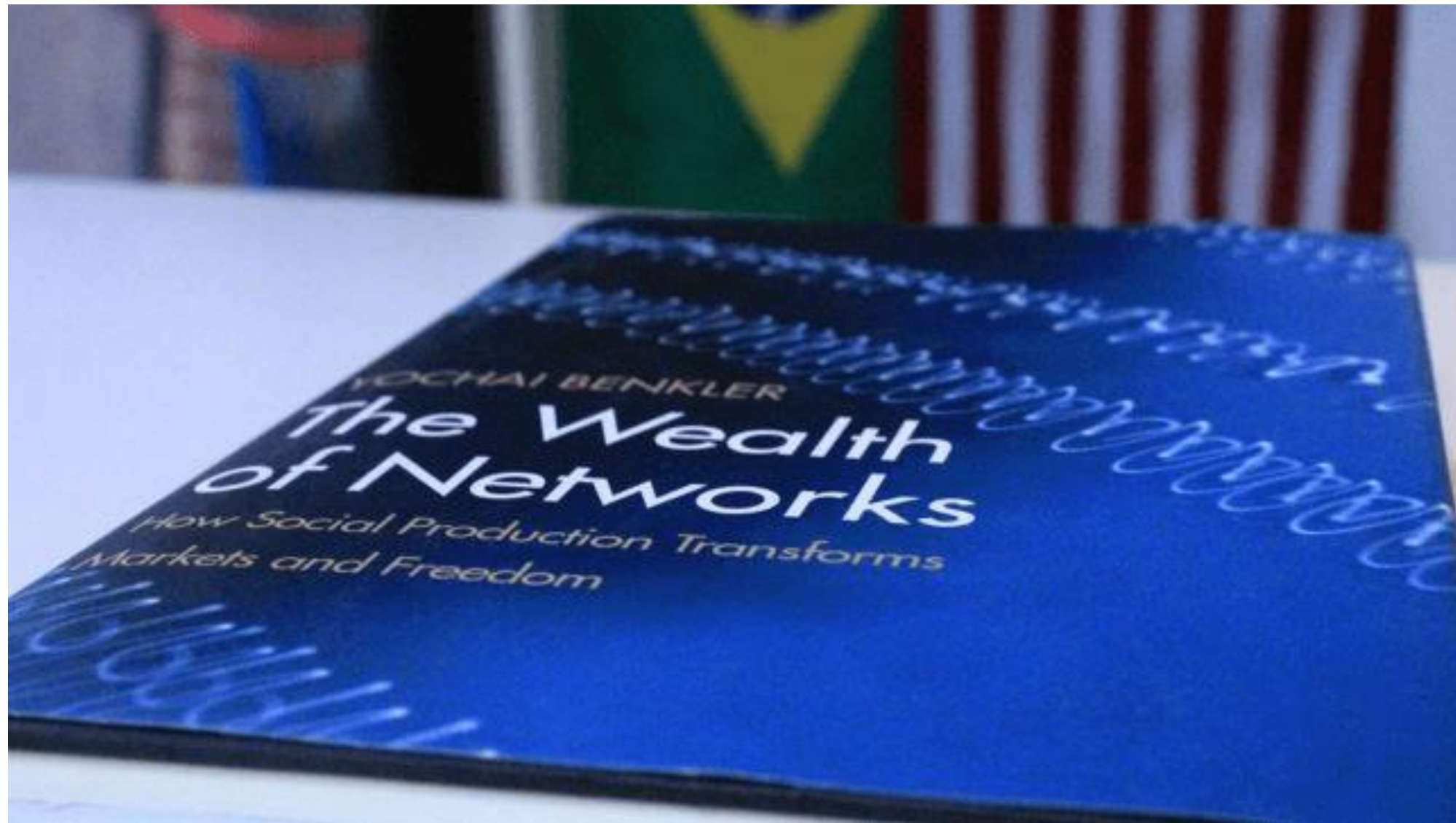
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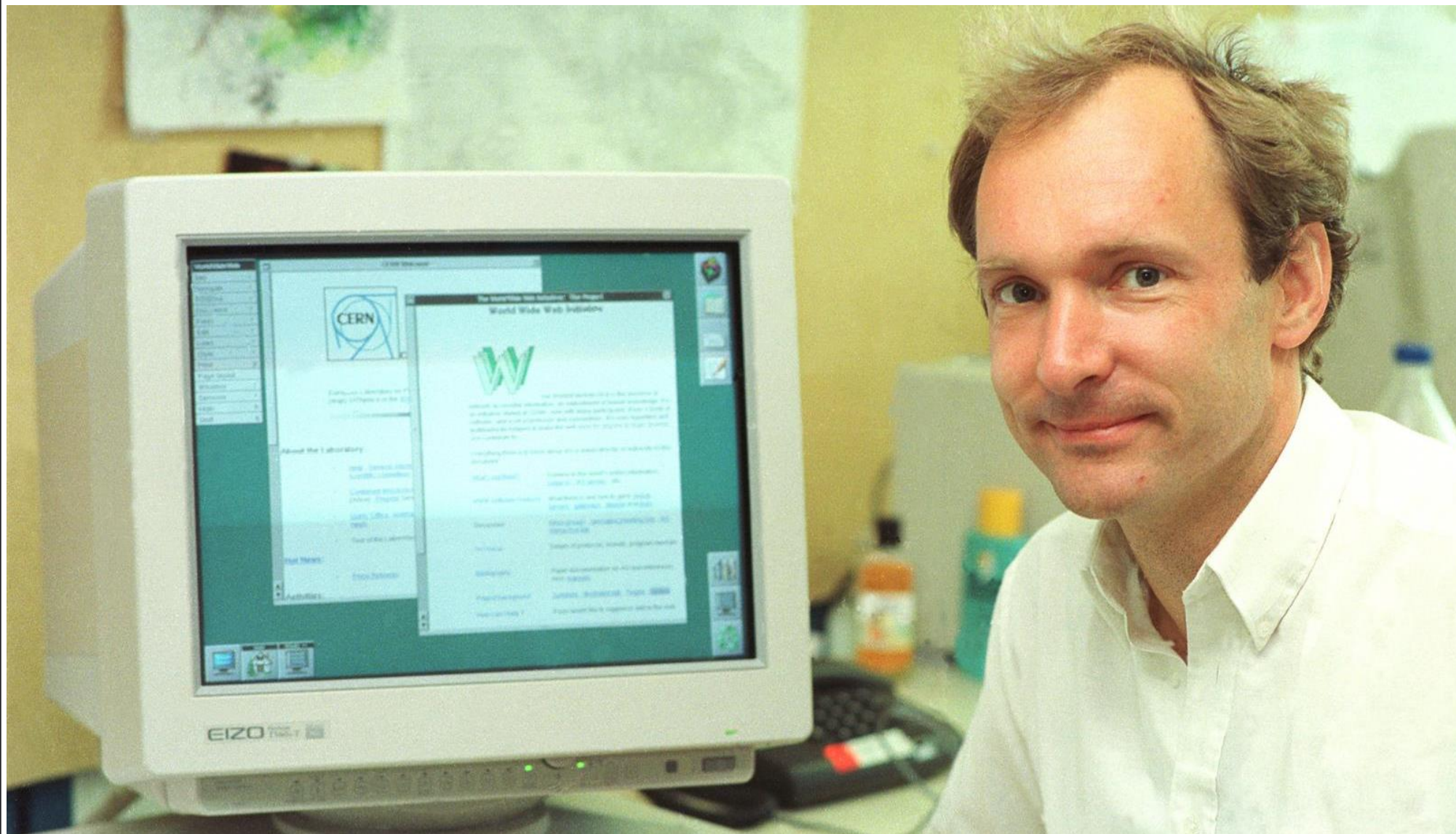
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Policy paper

A pro-innovation approach to AI regulation

Published 29 March 2023

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Ministerial foreword

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| | | | | | | | | | | | | | | | |
| | <h1>Speculating about the consequences (1)</h1> <ul style="list-style-type: none">Archives are in a more powerful position than we might realise or intuitExploiting the massive latent value of information in the archiveIt is going to take time to work through some exciting opportunities:<ul style="list-style-type: none">Content classification / organisationNew text generation (including summaries; transcriptions)Image/video generation (based on instruction)Data transformation/manipulation (based on instruction)Not clear how temporarily aware LLMs are, and therefore how well they deal with conceptions of “the past”Genuine evidencial information (records) will remain important; maybe gain in relative importanceProvenance will matter (including intellectual property rights). “Unpolluted” sources will be important for future training | | | | | | | | | | | | | | |
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Speculating about the consequences (2)

- “Good custodianship” – new practices: serving the public interest; transparent; accountable
- Archivists and information managers are gaining new capabilities for managing an information deluge (“digital heaps”) from the last seismic change; opportunity for growth – expectations should be exponential
- Information holders will (rightly) be circumspect about publication and onward use of records, LLMs changes all our calculations about the risks / harms
- Archives will need to build their own models of their own collections, and govern their use – this should be as natural to an archive as having a catalogue (do not cede the value of the archive)
- Make the case for the rights of people in the future to know
- Make the case for legal privileges for archives (as we have with AIP)

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