

Facilitating Data and Code Sharing in Science

Panel Presentation

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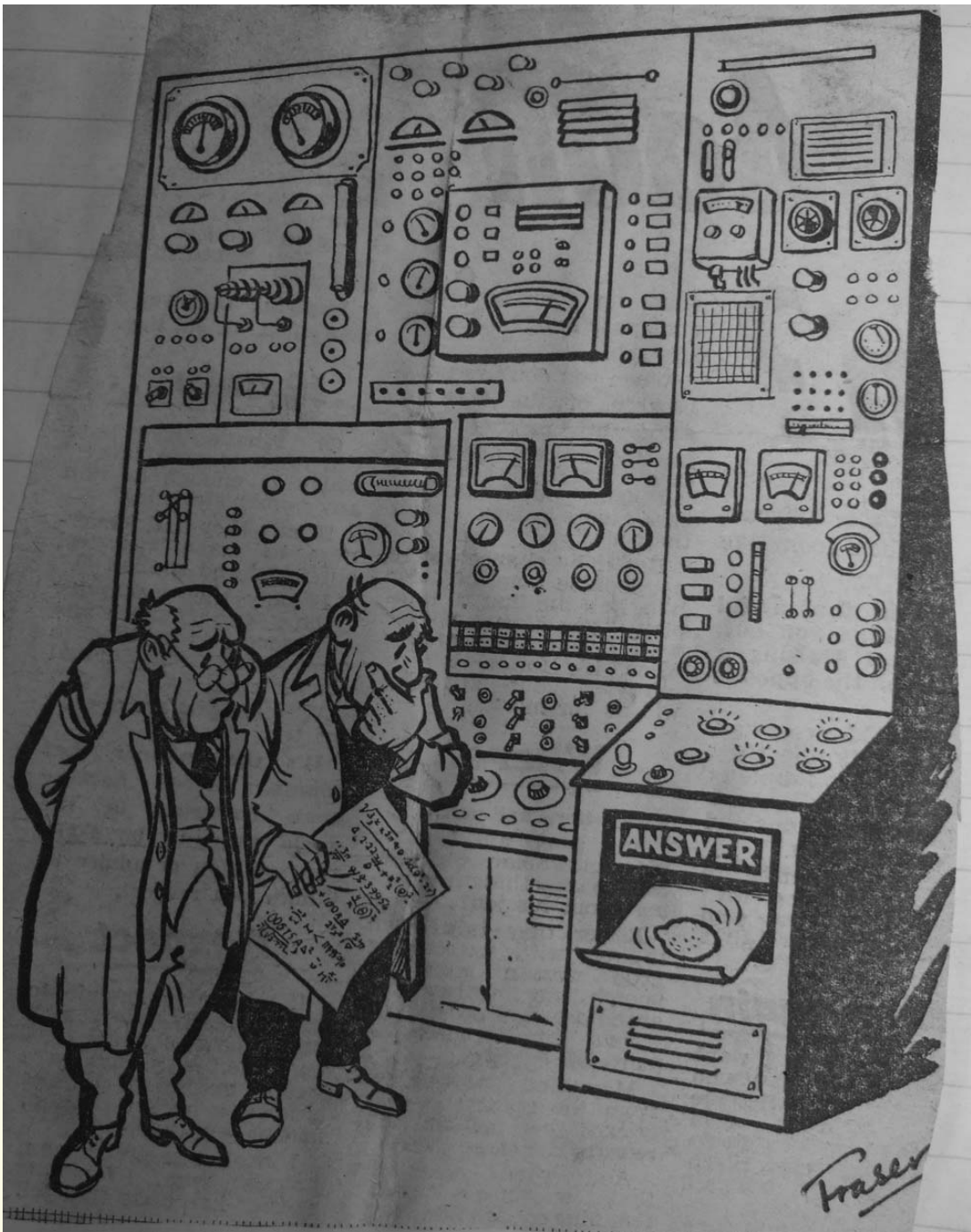
Engaging Data

MIT

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Framing of Data Sharing: Reproducibility

- The Scientific Method is being transformed by widespread data collection and analysis.
- Do we care about reproducibility of results?



Technical Sharing Solutions

1. Facilitating reproducibility 1: The *Reproducible Research Standard* (Stodden 2009)
2. Facilitating reproducibility 2: Tools for attribution and research transmission:
 - Tagging: communicating terms of sharing.
 - Citation: King and Altman's Universal Numerical Fingerprint - creating a unique and citable dataset identifier.

Papers

- “Enabling Reproducible Research: Open Licensing for Scientific Innovation”
- “15 Years of Reproducible Research in Computational Harmonic Analysis”
- “The Legal Framework for Reproducible Research in the Sciences: Licensing and Copyright”

<http://www.stanford.edu/~vcs>