

INFORUM 2007 – 23. 5. 2007, odpol.

Sekce: **Portálové řešení přístupů k vědeckým zdrojům v medicíně**

Jak se mění požadavky na publikování výstupů lékařského výzkumu

Milan Špála

Univerzita Karlova – 1. lékařská fakulta

1 - Open Access

Open Access - nová cesta pro zpřístupňování vědeckých informací?

Koordinátor: Milan Špála, Univerzita Karlova - 1. lékařská fakulta, Praha

Kdy a kde: 24. 5. 2006, 09:00 - 12:30, Posluchárna D

Open access: pohled z Velké Británie

Autor: Allan Foster, Informační konzultant, Velká Británie

Portálová řešení přístupu k vědeckým zdrojům v medicíně

Koordinátor: Eva Lesenková, Institut postgraduálního vzdělávání ve zdravotnictví, Praha

Kdy a kde: 23. 5. 2007, 13.30 - 16.20, Posluchárna D

Portálová řešení přístupu k vědeckým zdrojům v medicíně

Koordinátor: Eva Lesenková, Institut postgraduálního vzdělávání ve zdravotnictví, Praha

Kdy a kde: 23. 5. 2007, 13.30 - 16.20, Posluchárna D

New Developments at Nature Publishing Group

Autor: Hugh Blackbourn, Nature Publishing Group, Velká Británie

Jak se mění požadavky na publikování výstupů lékařského výzkumu

Autor: Milan Špála, Univerzita Karlova - 1. lékařská fakulta, Praha

Zdarma na Internetu: Přístup k výsledkům výzkumu v elektronické formě bez překážek

Autor: Elisabetta Poltronieri, Istituto Superiore di Sanità, Itálie

Spoluautoři:

Rosalia Ferrara / Istituto Superiore di Sanità, Italy

Open Access – A New Way for the Distribution of Scientific Information?

Budapest Open Access Initiative - 2001

**Bethesda Statement on Open Access
Publishing - 2003**

**Berlin Declaration on Open Access
to Knowledge in the Sciences and
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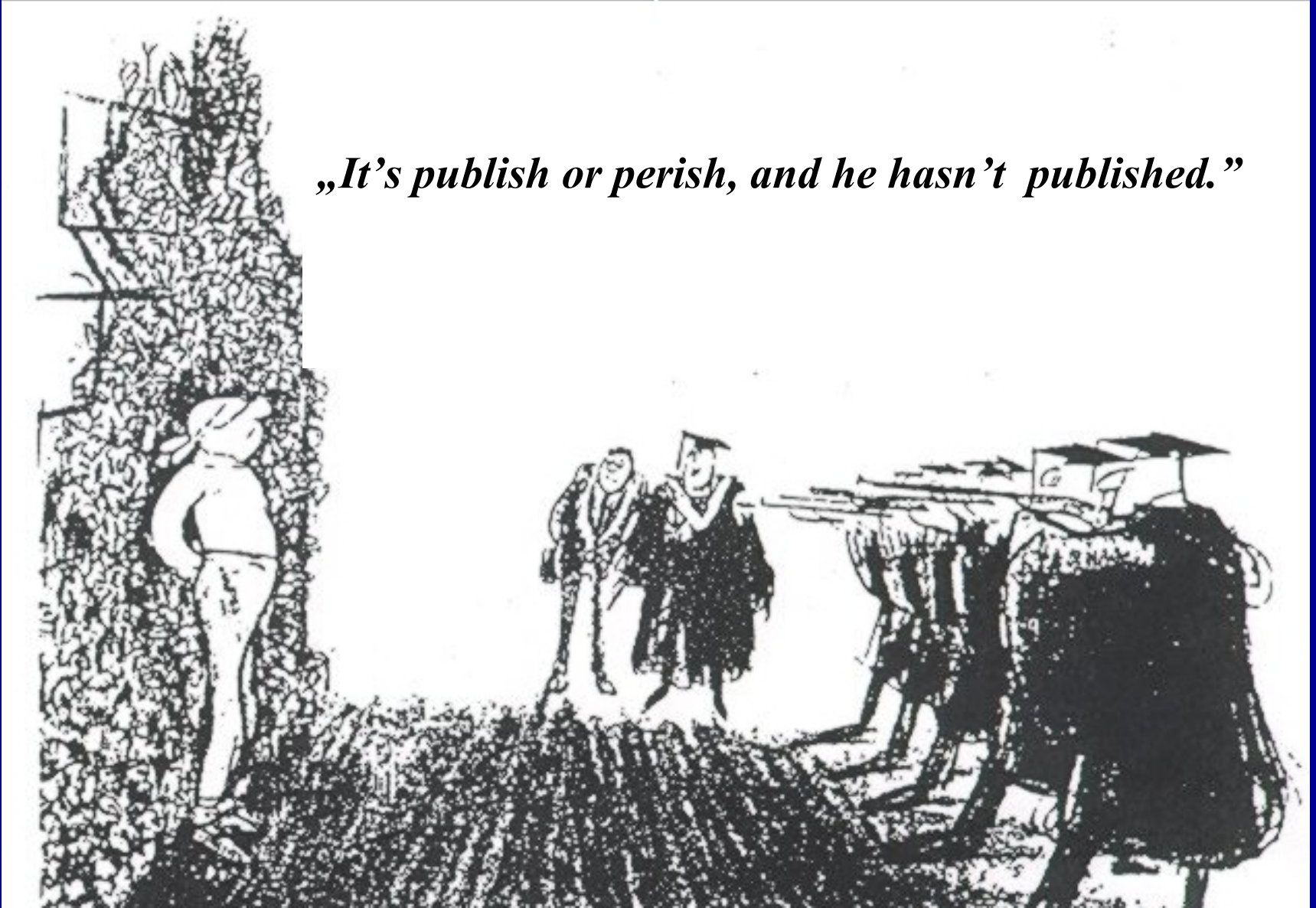
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„It's publish or perish, and he hasn't published.”



From: **Lock S.:** Misconduct in medical research: Does it exist in Britain. Brit. Med. J., Vol. 297, No. 6662, p. 1531 - 1535, 1988. (Fig. 3 , p.: 1533. *Drawing by Richter; copyright 1966, „The New Yorker“ Magazine, Inc.* Reproduced with permission).

23. 5. 2007

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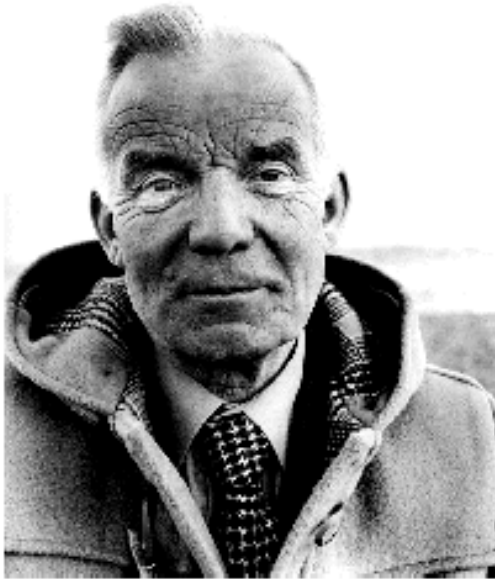
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2 - Journalologie –

Jak se dělá dobrý mezinárodní časopis

Stephen Lock

b 1929, editor, *British Medical Journal*



Aldeburgh, Suffolk, 18/11/95

As editor of the BMJ, Stephen Lock jazzed up both its looks and its contents, and doctors found, often for the first time, that it was a fascinating read. Concerned with "journalology" (the process of editing a scientific publication), Lock also studied peer review, (the evaluation by outside experts of papers submitted for publication) and played a major part in establishing the International Committee of Medical Journal Editors. In recent years he has concentrated (vainly) on trying to persuade the medical establishment that fraudulent research ought to be tackled with more rigour.

Links to the BMJ archive

Editorial - [Lessons from the Pearce affair: handling scientific fraud](#)

Book Review - [Scientific Deception \(Lesley Grayson\) by Stephen Lock](#)

- **Journalology**
- **International Committee of Medical Journal Editors - ICJME**
(Vancouver group)
- **Integrity in publishing**

Journalology –

- the structure,
- the process,
- the outcome of scientific journals
- research misconduct

Uniform Requirements for Manuscripts

- Statement of Purpose
- Ethical Considerations
- Publishing and Editorial Issues
- Manuscript Preparation
- References

About the ICMJE

- Authors
- Use and Distribution
- Inquiries

Frequently Asked Questions

ICMJE Expresses Concern Over Firing of CMAJ Editors

URM Journals List

ICMJE Editorials

May 2005 Update on Trials

Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication

Updated February 2006

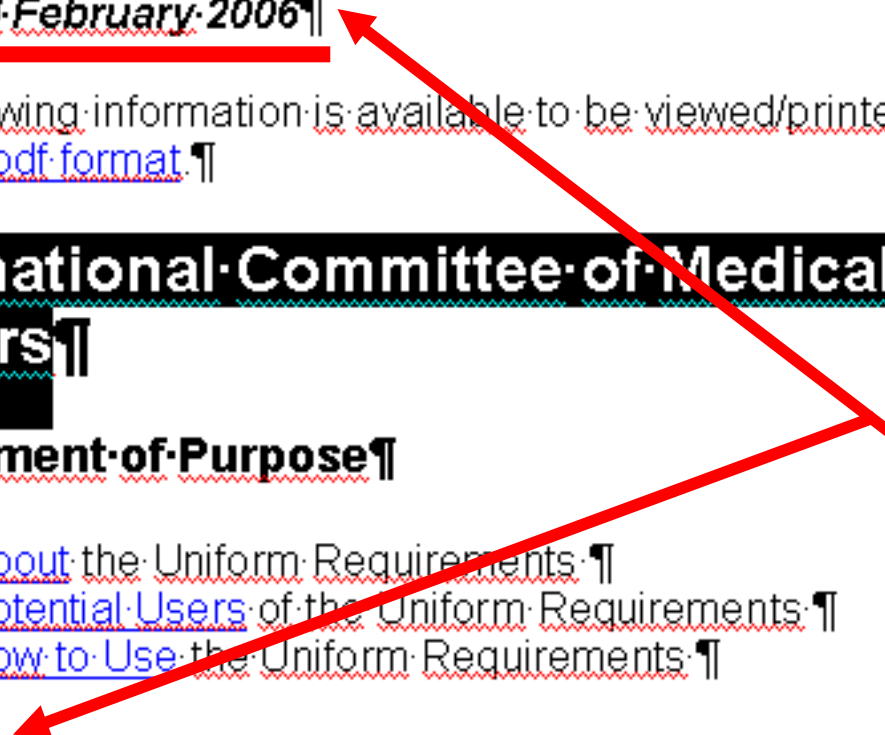
The following information is available to be viewed/printed in [Adobe Acrobat pdf format](#).

International Committee of Medical Journal Editors

I. Statement of Purpose

- A. [About the Uniform Requirements](#)
- B. [Potential Users of the Uniform Requirements](#)
- C. [How to Use the Uniform Requirements](#)

II. Ethical Considerations in the Conduct and Reporting of Research



Uniform Requirements for Manuscripts

- Redundant Publication
- Secondary Publication
- Privacy
- Reporting Guidelines
- Manuscripts
- Authorship
- Reference Styles

Separate Statements

- Peer Review
- Editorial Freedom
- Conflict of Interest
- Industry Support
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- Confidentiality
- Journals and Media
- Internet
- Advertising
- Supplements
- Correspondence Columns
- Competing Manuscripts

About the ICMJE

URM Journals List

Uniform Requirements for Manuscripts Submitted to Biomedical Journals

Updated October 2001

Publication Ethics: [Sponsorship, Authorship, and Accountability](#)

International Committee of Medical Journal Editors (see [end of text](#))

A small group of editors of general medical journals met informally in Vancouver, British Columbia, in 1978 to establish guidelines for the format of manuscripts submitted to their journals. The group became known as the Vancouver Group. Its requirements for manuscripts, including formats for bibliographic references developed by the National Library of Medicine, were first published in 1979. The Vancouver Group expanded and evolved into the International Committee of Medical Journal Editors (ICMJE), which meets annually; gradually it has broadened its concerns.

The committee has produced multiple editions of the Uniform Requirements for Manuscripts Submitted to Biomedical Journals. Over the years, issues have arisen that go beyond manuscript preparation. Some of these issues are now covered in the Uniform Requirements; others are addressed in separate statements.

Autor, autoři, spoluautoři, autorství (authorship) - 1

Všechny osoby označené jako autoři musí být k tomu kvalifikovány.

Každý autor by se měl **dostatečně na práci podílet**, aby mohl převzít na veřejnosti zodpovědnost za její obsah.

[ICMJE, Oct 2002]

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Právo na autorství (**authorship**) by mělo být založeno na tom, že jeho **zásadním přispěním** na publikaci byly:

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- **Konečné schválení** verze textu, jež bude publikována.

[ICMJE, Oct 2002]

Až dosud: **authorship**

Nyní také: **contributorship**

Evaluating “payback” on biomedical research from papers cited in clinical guidelines: applied bibliometric study

[Paper]

Grant, Jonathan policy advisor¹; Cottrell, Robert policy officer¹; Cluzeau, Françoise lecturer in health services²; Fawcett, Gail policy officer¹

¹ Policy Unit, Wellcome Trust, London NW1 2BE, ² Health Care Evaluation Unit, St George's Hospital Medical School, London SW17 0RE

Accepted for publication 20 January 2000

Contributors: JG conceived, initiated, and coordinated the project and participated in the analysis and writing of the paper. RC developed and managed the data collection procedure and participated in the analysis of the data. FC collated and supplied the clinical guidelines and provided expert advice on guidelines, their quality and formulation. GF participated in the analysis and presentation of the data. JG is guarantor

Correspondence to: J Grant <LINK HT j.grant@wellcome.ac.uk >j.grant@wellcome.ac.uk </LINK>

Funding: JG, RC, and GF work at, and are therefore intramurally supported by, the Wellcome Trust. FC works at the Health Care Evaluation Unit, which is supported by the research and development offices of the South East and London NHS regional offices.

Competing interests: None declared.

BMJ (British Medical Journal) 320 (7242) :1107-1111, 2000, 22 April 2000

Evaluating “payback” on biomedical research from papers cited in clinical guidelines: applied bibliometric study¶

[Paper]¶

Grant, Jonathan policy advisor¹; Cottrell, Robert policy officer¹; Cluzeau, Françoise lecturer in health services²; Fawcett, Gail policy officer¹¶

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Competing interests: None declared.¶

BMJ (British Medical Journal) 320(7242):1107-1111, 2000, -22 April 2000¶

▪ Abstract ¶

Objectives: To develop a methodology for evaluating the impact of research on health care, and to characterise the papers cited on clinical guidelines. ¶

Design: The bibliographic details of the papers cited in 15 clinical guidelines, developed in and for the United Kingdom, were collated and analysed with applied bibliometric techniques. ¶

Results: The median age of papers cited in clinical guidelines was eight years; most papers were published by authors living in either the United States (36%) or the United Kingdom (25%)—this is two and a half times more than expected as about 10% of all biomedical outputs are published in the United Kingdom; and clinical guidelines do not cite basic research papers. ¶

Conclusion: Analysis of the evidence base of clinical guidelines may be one way of tracking the flow of knowledge from the laboratory to the clinic. Moreover, such analysis provides a useful, clinically relevant method for evaluating research outcomes and different strategies in research and development. ¶

© British Medical Journal 2000. ¶

¶

Evaluating "payback" on biomedical research from [Paper]

Grant, Jonathan policy adviser; Cottrell Robert policy officer

Policy Unit, Wellcome Trust, London NW1 2BE; Health Care

Accepted for publication 20 January 2000

Contributors: JG conceived, initiated, and coordinated the project; managed the data collection procedure and participated in the expert advice on guidelines; their quality and formulation. GF

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The DNA sequence of human chromosome 22

I.°Dunham, A.°R.°Hunt, J.°E.°Collins, R.°Bruskiewich, D.°M.°Beare, M.°Clamp, L.°J.°Smink, R.°Ainscough, J.°P.°Almeida, A.°Babbage, C.°Bagguley, J.°Bailey, K.°Barlow, K.°N.°Bates, O.°Beasley, C.°P.°Bird, S.°Blakey, A.°M.°Bridgeman, D.°Buck, J.°Burgess, W.°D.°Burrill, J.°Burton, C.°Carder, N.°P.°Carter, Y.°Chen, G.°Clark, S.°M.°Clegg, V.°Cobley, C.°G.°Cole, R.°E.°Collier, R.°E.°Connor, D.°Conroy, N.°Corby, G.°J.°Coville, A.°V.°Cox, J.°Davis, E.°Dawson, P.°D.°Dhami, C.°Dockree, S.°J.°Dodsworth, R.°M.°Durbin, A.°Ellington, K.°L.°Evans, J.°M.°Fey, K.°Fleming, L.°French, A.°A.°Garner, J.°G.°R.°Gilbert, M.°E.°Goward, D.°Grafham, M.°N.°Griffiths, C.°Hall, R.°Hall, G.°Hall-Tamlyn, R.°W.°Heathcott, S.°Ho, S.°Holmes, S.°E.°Hunt, M.°C.°Jones, J.°Kershaw, A.°Kimberley, A.°King, G.°K.°Laird, C.°F.°Langford, M.°A.°Leversha, C.°Lloyd, D.°M.°Lloyd, I.°D.°Martyn, M.°Mashreghi-Mohammadi, L.°Matthews, O.°T.°Mccarn, J.°Mcclay, S.°Mclaren, A.°A.°Mcmurray, S.°A.°Milne, B.°J.°Mortimore, C.°N.°Odell, R.°Pavitt, A.°V.°Pearce, D.°Pearson, B.°J.°Phillimore, S.°H.°Phillips, R.°W.°Phumb, H.°Ramsay, Y.°Ramsey, L.°Rogers, M.°T.°Ross, C.°E.°Scott, H.°K.°Sehra, C.°D.°Skuce, S.°Smalley, M.°L.°Smith, C.°Soderlund, L.°Spragon, C.°A.°Steward, J.°E.°Sulston, R.°M.°Swann, M.°Vaudin, M.°Wall, J.°M.°Wallis, M.°N.°Whiteley, D.°Willey, L.°Williams, S.°Williams, H.°Williamson, T.°E.°Wilmer, L.°Wilming, C.°L.°Wright, T.°Hubbard, D.°R.°Bentley, S.°Beck, J.°Rogers, N.°Shimizu, S.°Minoshima, K.°Kawasaki, T.°Sasaki, S.°Asakawa, J.°Kudoh, A.°Shintani, K.°Shibuya, Y.°Yoshizaki, N.°Aoki, S.°Mitsuyama, B.°A.°Roe, F.°Chen, L.°Chu, J.°Crabtree, S.°Deschamps, A.°Do, T.°Do, A.°Dorman, F.°Fang, Y.°Fu, P.°Hu, A.°Hua, S.°Kenton, H.°Lai, H.°I.°Lao, J.°Lewis, S.°Lewis, S.°P.°Lin, P.°Loh, E.°Malaj, T.°Nguyen, H.°Pan, S.°Phan, S.°Qi, Y.°Qian, L.°Ray, Q.°Ren, S.°Shaull, D.°Sloan, L.°Song, Q.°Wang, Y.°Wang, Z.°Wang, J.°White, D.°Willingham, H.°Wu, Z.°Yao, M.°Zhan, G.°Zhang, S.°Chissoe, J.°Murray, N.°Miller, P.°Minx, R.°Fulton, D.°Johnson, G.°Bemis, D.°Bentley, H.°Bradshaw, S.°Bourne, M.°Cordes, Z.°Du, L.°Fulton, D.°Goela, T.°Graves, J.°Hawkins, K.°Hinds, K.°Kemp, P.°Latreille, D.°Layman, P.°Ozersky, T.°Rohlfing, P.°Scheet, C.°Walker, A.°Wamsley, P.°Wohldmann, K.°Pepin, J.°Nelson, I.°Korf, J.°A.°Bedell, L.°Hillier, E.°Mardis, R.°Waterston, R.°Wilson, B.°S.°Emanuel, T.°Shaikh, H.°Kurahashi, S.°Saitta, M.°L.°Budarf, H.°E.°Mcdermid, A.°Johnson, A.°C.°C.°Wong, B.°E.°Morrow, L.°Edelmann, U.°J.°Kim, H.°Shizuya, M.°I.°Simon, J.°P.°Dumanski, M.°Pevrard, D.°Kedra, E.°Seroussi, I.°Fransson, I.°Tapia, C.°E.°Bruder & K.°P.°O'brien

The Sanger Centre, Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, UK; ←

Department of Molecular Biology, Keio University School of Medicine, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582, Japan; ←

Department of Chemistry and Biochemistry, The University of Oklahoma, 620 Parrington Oval, Room 311, Norman, Oklahoma 73019, USA; ←

Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Blvd, St. Louis, Missouri 63108, USA ←

3 - Časopis jako základní informační zdroj pro výzkum

Od **Gutenberka** (2. pol. 14. stol) přes
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M. Faradaye (2. pol. 19. stol) aneb

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Kniha - Knihovna -
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Philosophical Transactions of the Royal Society

London, 1665

Acta (Royal Medical nad Philosophical Society)

Copenhabgen, 1681

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Vol I.

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Printers to the *Royal Society*.

Presented by the Author May. 30th 1667.

Philosophical Transactions of the
Royal Society, London, 1665

No. 1, Vol. 1,

4 - Boj proti publikačním podvodům

Negativní dopady evaluace

Snaha po velkém množství publikací, podněcovaná často **hodnocením** (**evaluací**) výkonnosti (performance) pracovníků, jež se děje mimo jiné také podle počtu „vyproduko-vaných“ publikací, je vcelku pochopitelná. Je to důsledek i když nevyslovovaného, přesto však uvědomovaného a uplatňovaného imperativu: „**Publish or perish**“.

Pokud tato prestižní snaha jednotlivců, institucí a jejich šéfů, **není zároveň provázena činnostmi vedoucími k přiměřeně velkému množství hodnotných (validních) výsledků**, může za situace příznivé k **nemravnému chování** (misconduct) vést:

1 - k vymyšlení nikdy neprovedených pokusů či pozorování a z nich vymyšlených, nikdy nezískaných, výsledků (**fabrication**);

2 - k nečestné (**dishonesty**) manipulaci (**data torturing**) s vlastními výsledky (vyřazování nebo upravování, tj. **falsification**), včetně k jejich klamně interpretaci (**misinterpretation**);

3 - k přebírání a přivlastnění
(*misappropriation*) cizích výsledků a myšle-
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V tomto ohledu je třeba klást důraz na dodržo-vání důvěrnosti (**confidentiality**), které jsou podřízeny posuzovatelé, recenzenti či oponenti (obecně „reviewers“) grantových návrhů a časopiseckých prací. Zde vystává věčný problém: „**Quid custodiet custodes?**“ resp. „**Guarding the guardians**“.

Jsou to např.: **Commission on research integrity** při U.S. Health and Human Services (HHS), kam patří i National Institutes of Health (NIH), a jejíž principy přijala i National Science Foundation (NSF);

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při U.S. Dept. of HHS.

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- ▣ Annual Report on Possible Research Misconduct
- ▣ Small Organization Statement

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Latest Newsletter (PDF)
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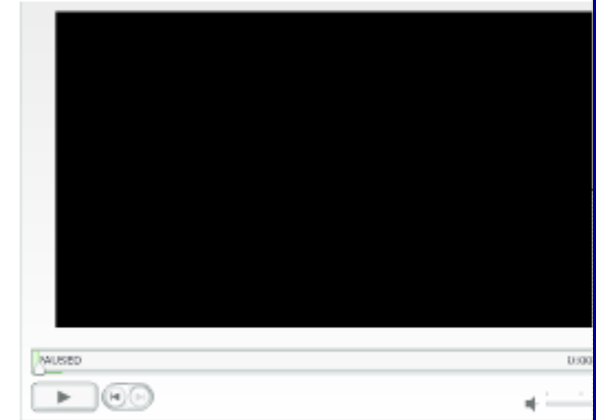
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The Office of Research Integrity (ORI) promotes integrity in biomedical and behavioral research supported by the U.S. Public Health Service (PHS) at about 4,000 institutions worldwide. ORI monitors institutional investigations of research misconduct and facilitates the responsible conduct of research (RCR) through educational, preventive, and regulatory activities.

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News

ORI Sample Policy and Procedures for Responding to Allegations of Research Misconduct

[Preamble](#)

[Sample Policy and Procedures for Responding to Allegations of Research Misconduct](#)

[Appendix A: Research Integrity Officer Responsibilities](#)

Interviews Added to RIO Video

Interviews with four experienced institutional research integrity officers (RIOs) and three ORI staff members have been

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- May 2007**
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By Richard Gallagher

EDITORIAL

End the Censorship of Science

Journals should make confidential full manuscript files available.

I recently sent a request to the editors of several prominent biological, biomedical, and medical journals. I wanted to better understand the current policies regarding access to full manuscript files - e.g., correspondence with authors, confidential reviewer comments and ratings, and internal editorial exchanges.

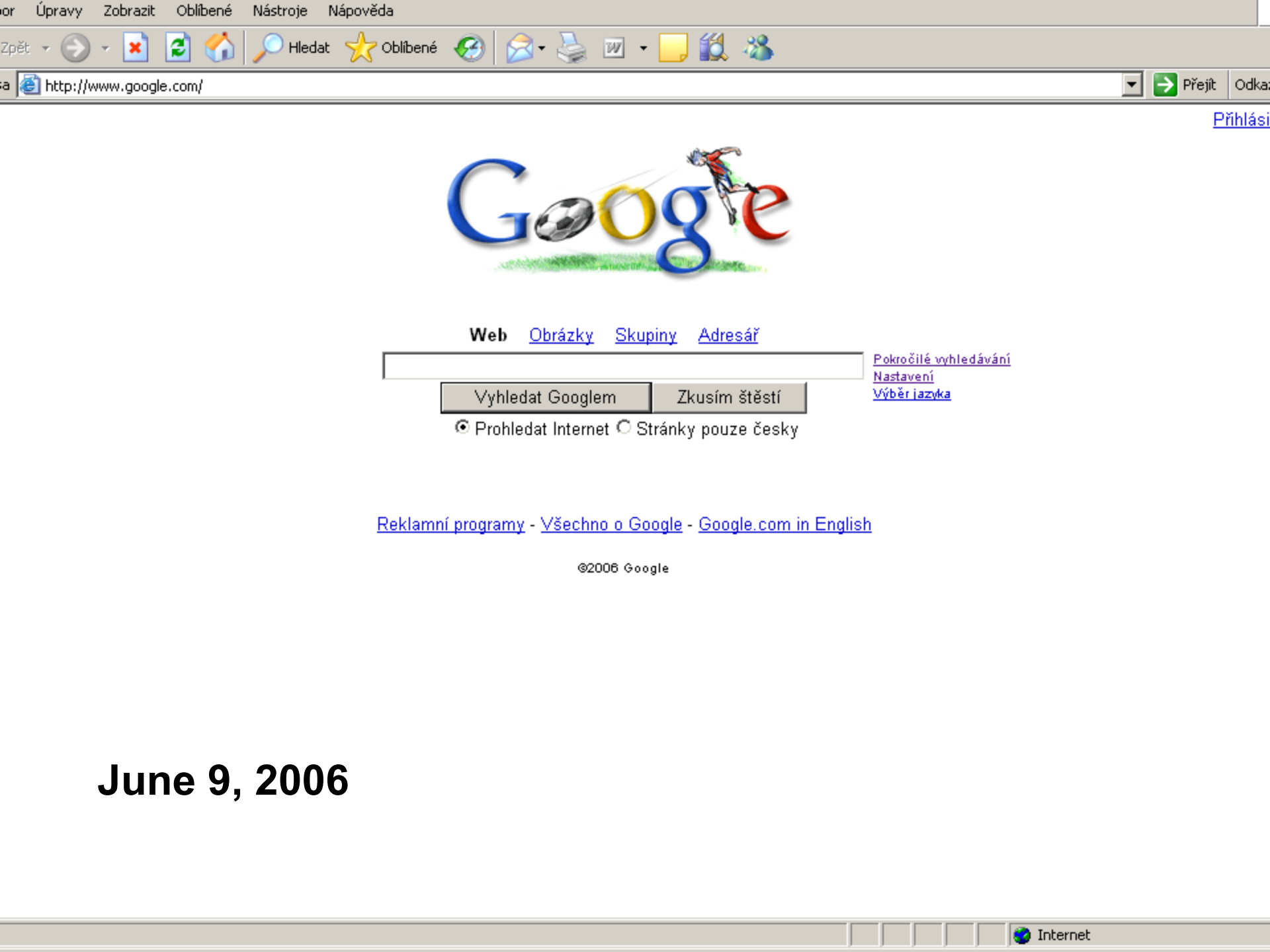
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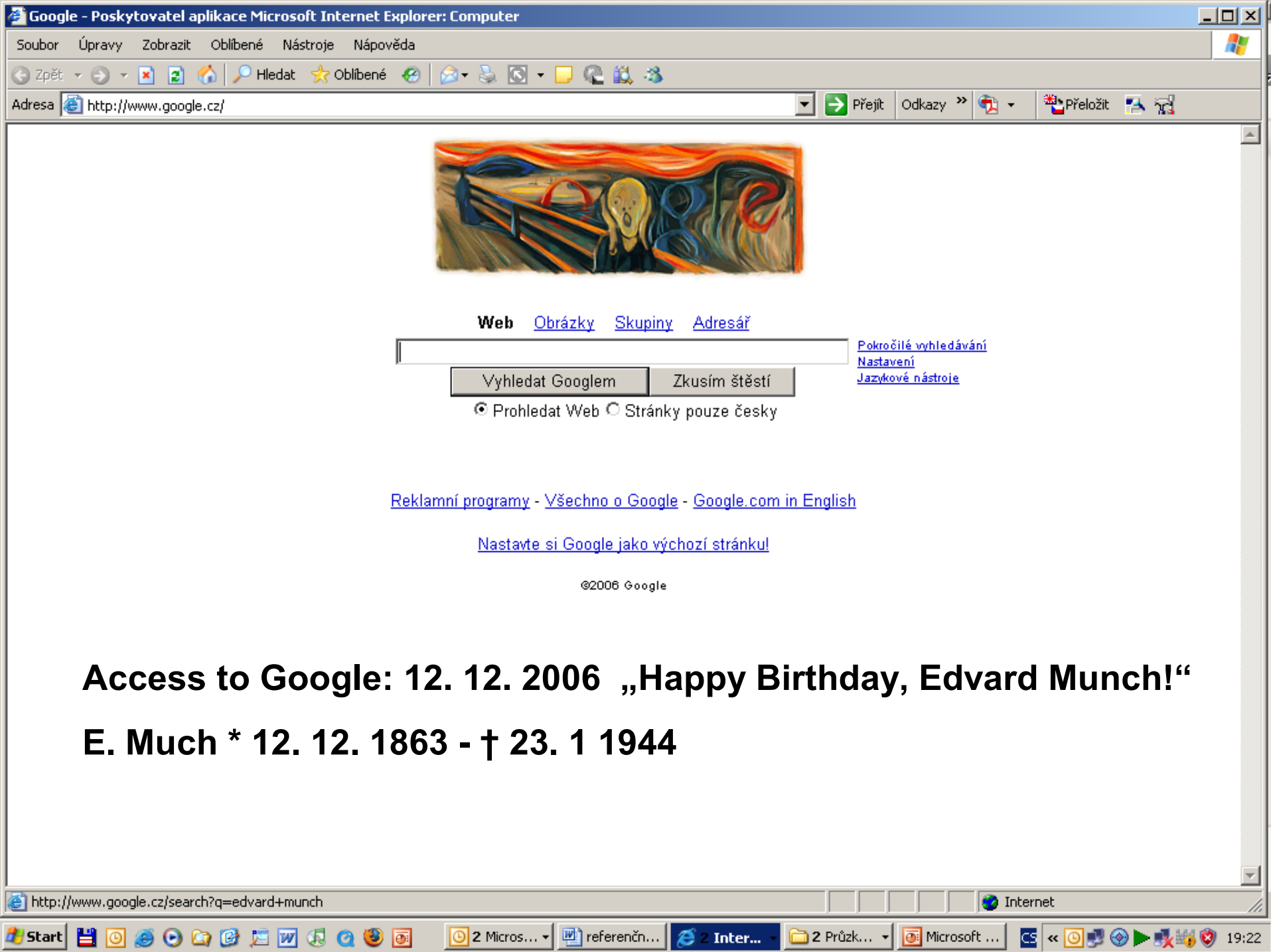
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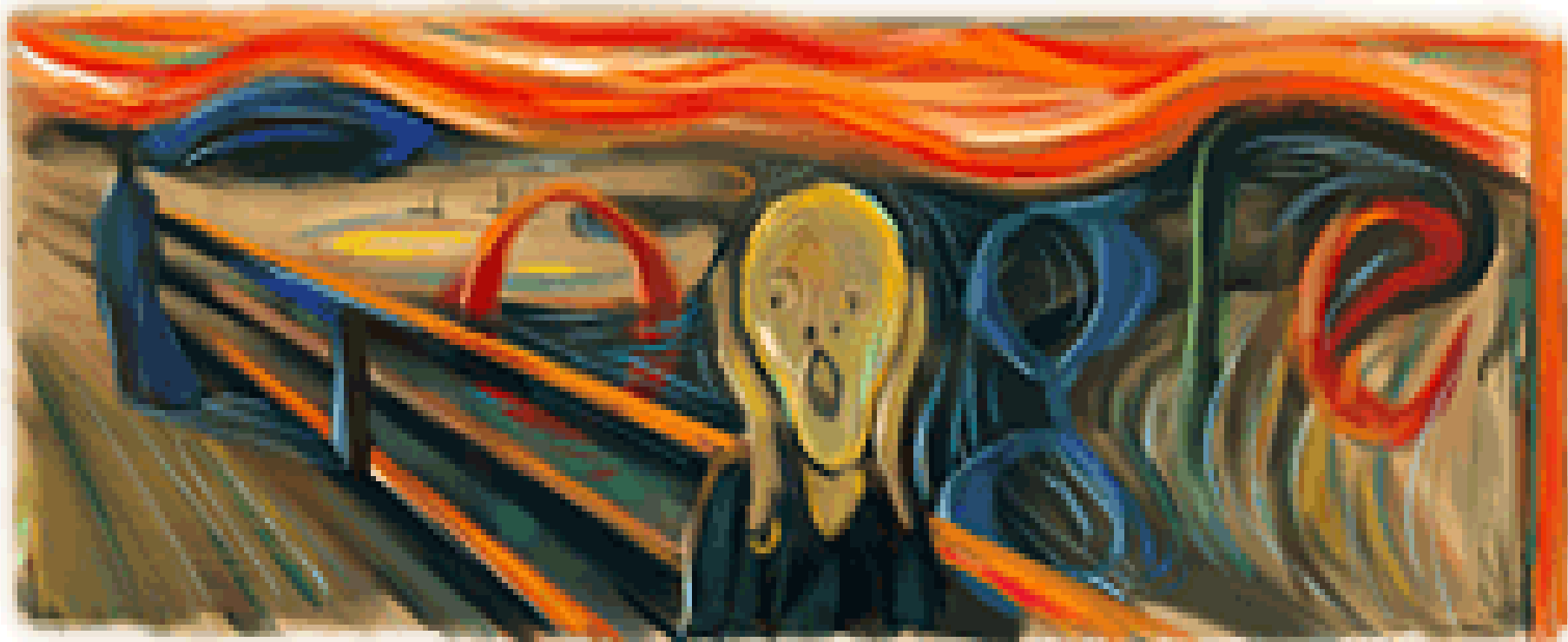
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June 9, 2006



Access to Google: 12. 12. 2006 „Happy Birthday, Edvard Munch!“

E. Much * 12. 12. 1863 - † 23. 1 1944



E. Munch „The Scream“ (Výkřik) c.1893



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neuspěli

23. 5. 2007

Nezapomínej ve vědě na pokoru!

**Bud'te vděčni svým
předchůdcům!**

Aspoň je citujte!

**Z ramen tohoto velikána nyní
uvidí další dál, než on sám**



'If I have seen further it is by standing on the shoulders of giants'

Used by, although probably not originated by, Sir Isaac Newton (1642 -1727), in a letter to his rival Robert Hooke, in 1676

- *cited in* The Oxford Dictionary of Quotations (2003)
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Garfield E.:

Fast Science vs. Slow Science,
Or **Slow and Steady Wins the Race**

The Scientist, 4 (8): 14-14, 17 Sept 1990

„The unexpected discovery is the very rare exception; most scientific advances depend on long-term, persistent, methodological research. It is not the stuff of headlines or television docudramas, but it's the way most science gets done.“

Děkuji za pozornost!

... a nezapomeňte:

DOPŘEJTE SI JEN TOLIK INFORMACÍ . .

Pozor, todle
je informační
žír !!



KOLIK BEZPEČNĚ STRÁVÍTE ?

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