

Alfred Russel Wallace and the Antivaccination Movement in Victorian England

Co-Discoverer of Natural Selection Soundly Questioned Smallpox Vaccination, Set Historical Parallels for Today

By Dr. Peter McCullough

Global Research, May 07, 2024

Courageous Discourse

Region: <u>Europe</u> Theme: History, Science and Medicine

All Global Research articles can be read in 51 languages by activating the Translate Website button below the author's name (only available in desktop version).

To receive Global Research's Daily Newsletter (selected articles), click here.

Click the share button above to email/forward this article to your friends and colleagues. Follow us on <u>Instagram</u> and <u>Twitter</u> and subscribe to our <u>Telegram Channel</u>. Feel free to repost and share widely Global Research articles.

Global Research Wants to Hear From You!

The <u>COVID States Program</u> demonstrated ~25% of Americans resisted COVID-19 vaccination. I am constantly being reminded by family, friends, and patients what a relief it was to know declining vaccination was the right medical decision. I wondered if there were any historical parallels.

The smallpox vaccine was variously deployed by doctors in the 19th century using lymphatic fluid from animals or from arm to arm of humans. It could hot have been sterilized from bacteria such as staphylococci, streptococci, tetanus, syphilis, or viruses such as hepatitis B. The dose of cowpox virions could not have been measured or controlled. So there were obvious safety concerns such as fatal iatrogenic infections and great debate over whether the procedure worked at all.

In 2010, <u>Thomas Weber</u> portrayed **Alfred Russel Wallace** in the context of the public sentiment rising against the smallpox immunization campaign in Britain:

"Alfred Russel Wallace, eminent naturalist and co-discoverer of the principle of natural selection, was a major participant in the antivaccination campaigns in late 19th-century England. Wallace combined social reformism and quantitative arguments to undermine

the claims of pro-vaccinationists and had a major impact on the debate. A brief account of Wallace's background, his role in the campaign, and a summary of his quantitative arguments leads to the conclusion that it is unwarranted to portray Victorian antivaccination campaigners in general as irrational and anti-science. Public health policy can benefit from history, but the proper context of the evidence used should always be kept in mind."

HISTORICAL REVIEW

Alfred Russel Wallace and the **Antivaccination Movement in** Victorian England

Weber TP. Alfred Russel Wallace and the antivaccination movement in Victorian England. Emerg Infect Dis. 2010 Apr;16(4):664-8. doi: 10.3201/eid1604.090434. PMID: 20350381; PMCID: PMC3321934.

Thomas P Weber



Figure. Alfred Russel Wallace (1823–1913). Perhaps best remembered today in history of science as the codiscoverer of the principle of natural selection, Wallace also played a prominent role in the antivaccination movement in late 19th century England.

penalties. The social and political diversity of the British first to choose the interpretation that suited its needs best intellectual reality of Victorian and Edwardian England is antivaccination movement is vividly described by Durbach's analysis and other analyses (1/2). Many of the \$200 organizations were quite eccentric, even by the standards of the time. However, despite its indecisive outcome, the debate was a blotted out of the picture.

However, despite its indecisive outcome, the debate was a blotted out of the picture.

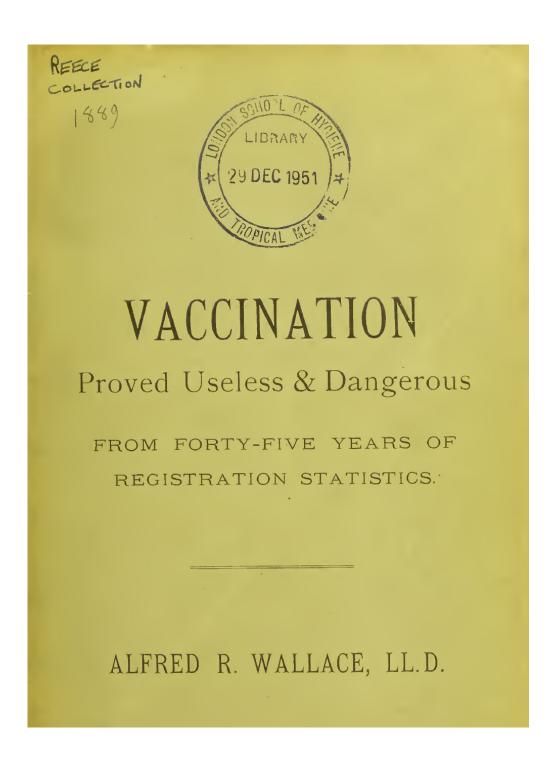
The provided is analysis and other analyses (1/2) show that it is not correct to portray antivaccinationists indiscriminately as antirational, antimodern, and antiscientific. Just considering the details of the vaccination practice of the mid-19th century does much to make many criticisms understandable. For instance, the widespread arm-to-arm vaccination, used until 1898, carried substantial risks, and the instruments used (1/4) could contribute to severe adverse reactions. Euthermore, many antivaccinations. verse reactions. Furthermore, many antivaccinationists appealed, like their opponents, to enlightenment values and expertly used quantitative argument

who failed to comply. Changes in the law passed in 1867 permitted the authorities to enforce vaccination more efficiently. The law allowed the repeated prosecution of particle who failed to have their child vaccinated. The 1871 Act authorized the appointment of vaccination officers, whose task it was to identify cases of noncompliance. In 1889, in response to widespread public resistance, Parliament appointed a Royal Commission to draft recommendations to reform the system. The Commission published its conclusions in 1896. It suggested allowing conscientious objection, an exemption which passed into law in 1898. In the early 20th century, \$200,000 exemptions were granted and mutually, representing \$25% of all births (12).

The first vaccination act mainly incited resistance from heterodox medical practitioners who were forced out of business. Large-scale popular resistance began after the 1867 Act with its threat of cocreive cumulative penalties. The social and political diversity of the British antivaccinations movement is vividly described by Dursch (12). When the social of the production of

I found this article interesting because:

- 1) Wallace was an eminent scientist,
- 2) he and his family were vaccinated,
- 3) his arguments were based on statistics as described in his work Vaccination Proved Useless and Dangerous published in 1889,
- 4) by the early 1900's about 25% of the public was refusing smallpox vaccination,
- 5) Weber concludes it was wrong to portray Victorian antivaccination campaigners as "antiscience."



Why is the 25% refusal rate the same for both the early unsafe smallpox vaccinations and COVID-19 genetic injections? Why has "anti-science" resurfaced as a term in the context of modern vaccine ideology? Weaponization of the term may give us a clue from vaccine-promoter **Dr. Peter Hotez** who had biodefense grants for COVID-19 vaccines in 2015-16.



A Scientist's Warning

SCIENCE

PETER J. HOTEZ, MD, PhD

RBD recombinant protein-based SARS vaccine for biodefense

4R01AI098775-05

Principal Investigator(s)/ Project Leader(s): A HOTEZ, PETER J

☑; BOTTAZZI, MARIA ELENA ☑; JIANG, SHIBO ☑;

Organization: BAYLOR COLLEGE OF MEDICINE

Fiscal Year: 2016 Admin IC: NIAID Funding IC: NIAID

FY Total Cost by IC: \$1,165,855
Similar Projects: View Similar Projects

RBD recombinant protein-based SARS vaccine for biodefense

5R01AI098775-04

Principal Investigator(s)/ Project Leader(s): Leader(s): HOTEZ, PETER J

☑ ; BOTTAZZI, MARIA ELENA ☑ ; JIANG, SHIBO ☑ ;

Organization: BAYLOR COLLEGE OF MEDICINE

Fiscal Year: 2015
Admin IC: NIAID
Funding IC: NIAID

FY Total Cost by IC: \$1,165,726 Similar Projects: View Similar Projects

A 2024 paper by <u>Paul et al</u> obviously calling out Hotez, indicates "anti-science" is a disparaging term used to discredit someone with an opposing view, essentially a device of propaganda. Hotez appears to be is using it on offense to defend against his vulnerabilities as a co-conspirator in the US-Chinese creation of SARS-CoV-2 and possibly against a scientific awakening to the risks of the routine childhood vaccine schedule.



Contents lists available at ScienceDirect

Public Health in Practice







Who is "anti-science"?

Elisabeth Paul ^{a,*}, Garrett W. Brown ^b, Valéry Ridde ^c, Joachim P. Sturmberg ^d

- ^a Université Libre de Bruxelles, School of Public Health, Campus Erasme, Route de Lennik 808, CP 591, 1070, Brussels, Belgium
- b University of Leeds, School of Politics and International Studies (POLIS), Leeds, United Kingdom
- ^c Université Paris Cité, Institut de recherche pour le développement (IRD), INSERM, CEPED, Paris, France
- ^d School of Medicine and Public Health, Faculty of Health and Medicine, University of Newcastle, Australia

ARTICLE INFO

Keywords: Science Health policy Covid-19 Vaccines

ABSTRACT

Objectives: "Anti-science" accusations are common in medicine and public health, sometimes to discredit scientists who hold opposing views. However, there is no such thing as "one science". Epistemology recognizes that any "science" is sociologically embedded, and therefore contextual and intersubjective. In this paper, we reflect on how "science" needs to adopt various perspectives to give a comprehensive and nuanced understanding of a phenomenon.

Study design: Opinion paper.

Methods: Based on a targeted literature survey, we first clarify the known limits of traditional scientific methods and then reflect on how the scientific reporting about Covid-19 mRNA vaccines has evolved.

Results: The first reports of the Covid-19 mRNA vaccines randomised controlled trial results showed impressive efficacy. Nevertheless, an abundant literature has since depicted a far more nuanced picture of the effectiveness and safety of those vaccines over the medium-term. We organise them around five themes: (i) differentiating between relative and absolute reduction; (ii) taking account of time in reporting effectiveness; (iii) taking account of all outcomes, including adverse effects; (iv) stratifying effectiveness and considering other decision criteria (efficiency, equity, and acceptance); (v) changing the outcome of concern and assessing vaccines' effectiveness on mortality.

Conclusions: Science offers a wide range of perspectives on a given study object. Only the process of deliberation amongst scientists and other stakeholders can result in accepted new knowledge useful to support decision-making. Unfortunately, by trying to reduce "science" to simple messages set in stone, scientists can become the worse enemies of science.

Paul E, Brown GW, Ridde V, Sturmberg JP. Who is "anti-science"? Public Health Pract (Oxf). 2024 Mar 29;7:100493. doi: 10.1016/j.puhip.2024.100493. PMID: 38601178; PMCID: PMC11004618.

*

Note to readers: Please click the share button above. Follow us on Instagram and Twitter and subscribe to our Telegram Channel. Feel free to repost and share widely Global Research articles.

Featured image is from the Public Domain

The original source of this article is <u>Courageous Discourse</u> Copyright © <u>Dr. Peter McCullough</u>, <u>Courageous Discourse</u>, 2024

Comment on Global Research Articles on our Facebook page

Become a Member of Global Research

Articles by: **Dr. Peter McCullough**

Disclaimer: The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: publications@globalresearch.ca

www.globalresearch.ca contains copyrighted material the use of which has not always been specifically authorized by the copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: publications@globalresearch.ca