



Can History Be Open Source? Wikipedia and the Future of the Past

Author(s): Roy Rosenzweig

Reviewed work(s):

Source: *The Journal of American History*, Vol. 93, No. 1 (Jun., 2006), pp. 117-146

Published by: [Organization of American Historians](#)

Stable URL: <http://www.jstor.org/stable/4486062>

Accessed: 08/02/2013 14:31

Your use of the JSTOR archive indicates your acceptance of the Terms & Conditions of Use, available at <http://www.jstor.org/page/info/about/policies/terms.jsp>

JSTOR is a not-for-profit service that helps scholars, researchers, and students discover, use, and build upon a wide range of content in a trusted digital archive. We use information technology and tools to increase productivity and facilitate new forms of scholarship. For more information about JSTOR, please contact support@jstor.org.



Organization of American Historians is collaborating with JSTOR to digitize, preserve and extend access to *The Journal of American History*.

<http://www.jstor.org>

Can History Be Open Source? *Wikipedia* and the Future of the Past

Roy Rosenzweig

History is a deeply individualistic craft. The singly authored work is the standard for the profession; only about 6 percent of the more than 32,000 scholarly works indexed since 2000 in this journal's comprehensive bibliographic guide, "Recent Scholarship," have more than one author. Works with several authors—common in the sciences—are even harder to find. Fewer than 500 (less than 2 percent) have three or more authors.¹

Historical scholarship is also characterized by *possessive* individualism. Good professional practice (and avoiding charges of plagiarism) requires us to attribute ideas and words to specific historians—we are taught to speak of "Richard Hofstadter's status anxiety interpretation of Progressivism."² And if we use more than a limited number of words from Hofstadter, we need to send a check to his estate. To mingle Hofstadter's prose with your own and publish it would violate both copyright and professional norms.

A historical work without owners and with multiple, anonymous authors is thus almost unimaginable in our professional culture. Yet, quite remarkably, that describes the online encyclopedia known as *Wikipedia*, which contains 3 million articles (1 million of them in English). History is probably the category encompassing the largest number of articles. *Wikipedia* is entirely free. And that freedom includes not just the ability of anyone to read it (a freedom denied by the scholarly journals in, say, JSTOR, which requires an expensive institutional subscription) but also—more remarkably—their freedom to use it. You can take *Wikipedia's* entry on Franklin D. Roosevelt and put it on your own Web site, you can hand out copies to your students, and you can publish it in a book—all with only one restriction: You may not impose any more restrictions on subsequent readers and users than have been imposed on you. And it has no authors in any conventional sense. Tens of thousands of people—who have not gotten even the glory of affixing their names to it—have written it collaboratively. The Roosevelt entry, for example, emerged over four years as five hundred authors made about one thousand edits. This extraordinary freedom and cooperation make *Wikipedia* the most important application of the

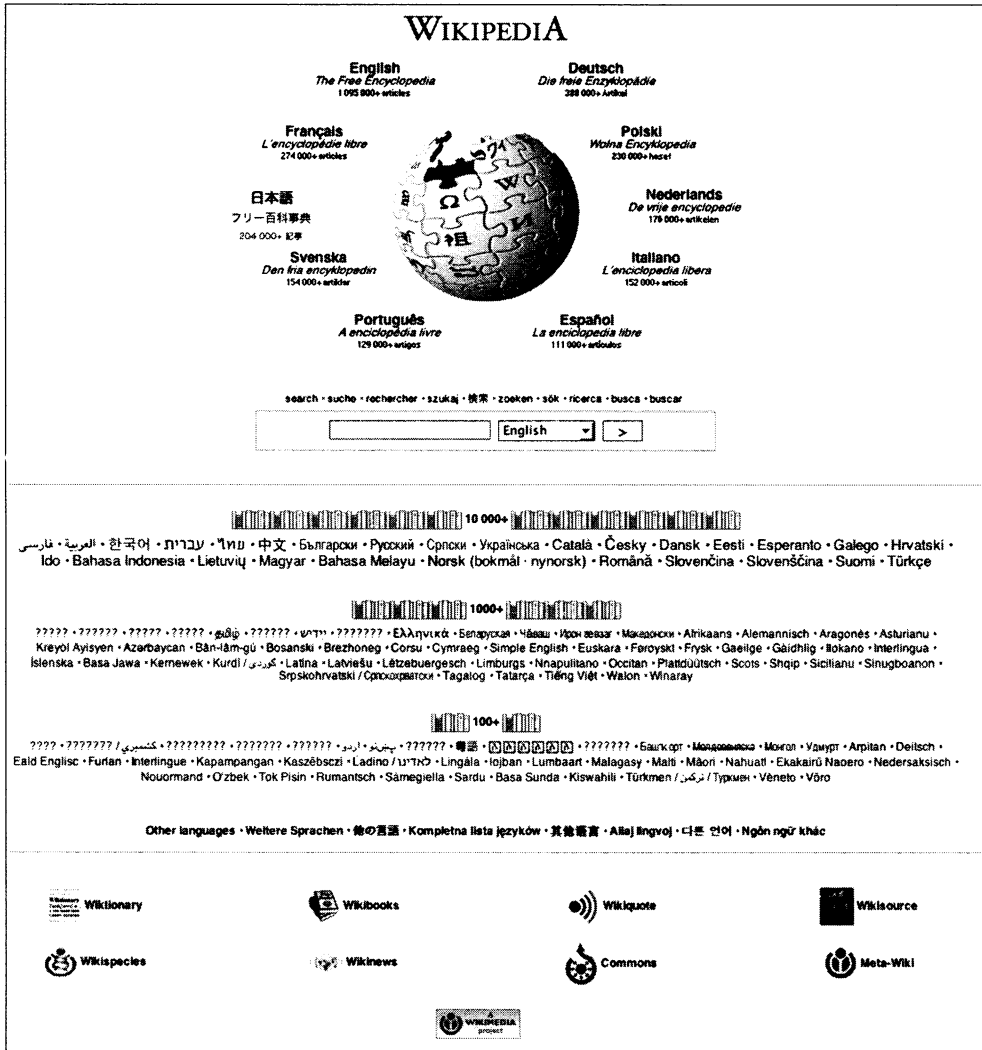
Roy Rosenzweig is the Mark and Barbara Fried Professor of History and New Media at George Mason University and director of the Center for History and New Media.

My thanks to Dan Cohen, Deborah Kaplan, and T. Mills Kelly for helpful comments on earlier versions of this essay, to Joan Fraszky for research assistance, and to Susan Armeny for her—as always—superb editorial suggestions. Some of the research for this essay was supported by a generous grant from the Alfred P. Sloan Foundation.

Readers may contact Rosenzweig at <roy@gmu.edu>.

¹ My thanks to Melissa Beaver of the *Journal of American History* for compiling these figures. The 32,000 works include about 7,000 dissertations, which are never coauthored, but they also include coedited books, which involve a lower level of collaboration than coauthored books or articles.

² See Richard Hofstadter, *The Age of Reform: From Bryan to F.D.R.* (New York, 1955), 131–73.



Wikipedia today: The current home page for *Wikipedia* reflects the scale of the project (more than 1 million English-language articles) and its multiple languages. <http://en.wikipedia.org/wiki/Main_Page/> (March 8, 2006).

principles of the free and open-source software movement to the world of cultural, rather than software, production.³

Despite, or perhaps because of, this open-source mode of production and distribution, *Wikipedia* has become astonishingly widely read and cited. More than a million people a day visit the *Wikipedia* site. The Alexa traffic rankings put it at number 18, well above

³ <<http://en.Wikipedia.org/Wikistats/EN/TablesArticlesTotal.htm>> (Sept. 5, 2005). This count covers the period from the creation of the article on Franklin D. Roosevelt in September 2001 through July 4, 2005. See <http://en.wikipedia.org/wiki/Franklin_Delano_Roosevelt>. I am citing *Wikipedia* articles by URL and indicating the date accessed in parentheses because the articles continually change; readers can access the version I used by selecting the “history” tab and viewing the version from that date. All undated online resources were available when checked on Dec. 27, 2005.

the *New York Times* (50), the Library of Congress (1,175), and the venerable *Encyclopedia Britannica* (2,952). In a few short years, it has become perhaps the largest work of online historical writing, the most widely read work of digital history, and the most important free historical resource on the World Wide Web. It has received gushing praise (“one of the most fascinating developments of the Digital Age”; an “incredible example of open-source intellectual collaboration”) as well as sharp criticism (a “faith-based encyclopedia” and “a joke at best”). And it is almost entirely a volunteer effort; as of September 2005, it had two full-time employees. It is surely a phenomenon to which professional historians should attend.⁴

To that end, this article seeks to answer some basic questions about history on *Wikipedia*. How did it develop? How does it work? How good is the historical writing? What are the potential implications for our practice as scholars, teachers, and purveyors of the past to the general public?

Writing about *Wikipedia* is maddeningly difficult. Because *Wikipedia* is subject to constant change, much that I write about *Wikipedia* could be untrue by the time you read this. An additional difficulty stems from its vast scale. I cannot claim to have read the 500 million words in the entire *Wikipedia*, nor even the subset of articles (as many as half) that could be considered historical.⁵ This is only a very partial and preliminary report from an ever-changing front, but one that I argue has profound implications for our practice as historians.

Origins

Wikipedia itself rather grandly traces its roots back to “the ancient Library of Alexandria and Pergamon” and the “concept of gathering all of the world’s knowledge in a single place” as well as to “Denis Diderot and the 18th century encyclopedists.” But the more immediate origins are in a project called *Nupedia* launched in March 2000 by Jimmy Wales and Larry Sanger. They were not the first to think of a free Web-based encyclopedia; in the earliest days of the Web, some had talked about creating a free “Interpedia”; in 1999 Richard Stallman, a key figure in the emergence of free and open-source software, proposed gNupedia as a “Free Universal Encyclopedia and Learning Resource.” The thirty-three-year-old Wales (also known as Jimbo), who got rich as an options trader and then became an Internet entrepreneur, decided to create a free, online encyclopedia. He recruited Sanger, age thirty-one, who was finishing a Ph.D. in philosophy at the Ohio State University—whom Wales knew from their joint participation in online mailing lists and Usenet discussion groups devoted to Ayn Rand and objectivism—to

⁴ Latest available numbers on visitors are for October 2004. The “official article count” for November 2005 is 2.9 million, 866,000 of them in English, according to <<http://en.wikipedia.org/wikistats/EN/TablesUsageVisits.htm>> (March 14, 2006). But the English-language home page says 1,023,303 articles. See <http://en.wikipedia.org/wiki/Main_Page> (March 14, 2006). Alexa rankings (available at <<http://www.alexa.com/>>) are from March 14, 2006. Information on number of employees was provided by Terry Foote (one of the employees) at a Hewlett Foundation meeting in Logan, Utah, on Sept. 27, 2005. See also Wikimedia Foundation, Budget/2005 <<http://wikimediafoundation.org/wiki/Budget/2005>> (Oct. 23, 2005). The statements of praise are quoted in Robert McHenry, “The Faith-Based Encyclopedia,” *TCS: Tech Central Station*, Nov. 15, 2004 <<http://www.techcentralstation.com/111504A.html>>. For “joke,” see Peter Jacso, “Peter’s Picks and Pans,” *Online*, 26 (March 2002), 74.

⁵ There were c. 512 million words in May 2005, including 202 million in English. See <<http://en.wikipedia.org/wikistats/EN/TablesDatabaseWords.htm>> (Sept. 5, 2005).

HomePage

[HomePage](#) | [Recent Changes](#) | [Preferences](#) | [Receive an article a day!](#)

Welcome to Wikipedia, a collaborative project to produce a complete encyclopedia from scratch. We started in January 2001 and already have **over 14,000 articles**. We want to make over 100,000, so let's get to work--*anyone* can edit any page--copyedit, expand an article, write a little, write a lot. See the [Wikipedia FAQ](#) for information on how to edit pages and other questions.

The content of Wikipedia is covered by the [GNU Free Documentation License](#), which means that it is free and will remain so forever. See [open content](#) and [\[free content\]?](#) for background.

Current Events and Breaking News

Encyclopedia articles about topics behind the news. Develop articles about important events as they happen!
[2001 Anthrax Attack](#) - [2001 U.S. Attack on Afghanistan](#) - [September 11, 2001 Terrorist Attack](#)
[More current events](#)

Philosophy, Mathematics, and Natural Science

[Astronomy and Astrophysics](#) - [Biology](#) - [Chemistry](#) - [Earth Sciences](#) - [Mathematics](#) - [Philosophy](#) - [Physics](#) - [Statistics](#)

Social Sciences

[Anthropology](#) - [Archaeology](#) - [Economics](#) - [Geography](#) - [History](#) - [History of Science and Technology](#) - [Language](#) - [Linguistics](#) - [Parapsychology](#) - [Political Science](#) - [Psychology](#) - [Sociology](#)

Early *Wikipedia*: Part of *Wikipedia's* home page as it looked on October 25, 2001, when the online encyclopedia's creators boasted that it had more than 14,000 articles and set 100,000 articles as their goal. It now has more than ten times that number. <<http://web.archive.org/web/20011025211405/http://wikipedia.com/>> (March 2, 2006).

become the paid editor in chief. Wales's company Bomis, an Internet search portal and a vendor of online "erotic images" (featuring the *Bomis Babe Report*), picked up the tab initially.⁶

Sanger designed *Nupedia* to ensure that experts wrote and carefully vetted content. In part because of that extensive review, it managed to publish only about twenty articles in its first eighteen months. In early January 2001, as Sanger was trying to think of ways to make it easier for people without formal credentials to contribute to *Nupedia*, a computer programmer friend told him about the WikiWikiWeb software, developed by the programmer Ward Cunningham in the mid-1990s, that makes it easy to create or edit a Web page—no coding HTML (hypertext markup language) or uploading to a server needed. (Cunningham took the name from the Hawaiian word *wikiwiki*, meaning "quick" or "informal.") Sanger thought that wiki users would quickly and informally create content for *Nupedia* that his experts would edit and approve. But the *Nupedia* editors viewed the ex-

⁶ <http://en.wikipedia.org/wiki/History_of_Wikipedia> (July 29, 2005); McHenry, "Faith-Based Encyclopedia"; <<http://www.gnu.org/encyclopedia/free-encyclopedia.html>>. On Jimmy Wales, see Daniel Pink, "The Book Stops Here," *Wired*, 13 (March 2005) <http://www.wired.com/wired/archive/13.03/wiki_pr.html>; Cynthia Barnett, "Wiki Mania," *Florida Trend*, 48 (Sept. 2005) <<http://www.floridatrend.com/issue/default.asp?a=5617&ts=1&d=9/1/2005>>; and Jonathan Sidener, "Everyone's Encyclopedia," *SignOnSanDiego.com* (Dec. 6, 2004) <http://www.signonsandiego.com/uniontrib/20041206/news_mz1b6encyclo.html>; <http://en.wikipedia.org/wiki/Jimmy_Wales> (July 5, 2005). On Larry Sanger, see Wade Roush, "Larry Sanger's Knowledge Free-for-All: Can One Balance Anarchy and Accuracy?," *Technology Review*, 108 (Jan. 2005), 21; <http://en.wikipedia.org/wiki/Larry_Sanger> (Sept. 5, 2005). For their joint participation in Usenet groups, see Google Groups "humanities.philosophy.objectivism" and "alt.philosophy.objectivism." Until 2003, Bomis, in effect, owned *Wikipedia*, but in June of that year, all the assets were transferred to the nonprofit Wikimedia Foundation <<http://en.wikipedia.org/wiki/Bomis>> (Oct. 29, 2005).

periment with suspicion; by mid-January Sanger and Wales had given it a separate name, *Wikipedia*, and its own domain.⁷

Very swiftly, *Wikipedia* became the tail that swallowed the dog (*Nupedia*). In less than a month, it had 1,000 articles; by the end of its first year, it had 20,000; by the end of its second year, it had 100,000 articles in just the English edition. (By then it had begun to spawn foreign-language editions, of which there are now 185, from Abkhazian to Klingon to Zulu, with the German edition the largest after English.) Sanger himself did not stay around to enjoy *Wikipedia*'s runaway growth. By late 2001 the tech boom was over, and Bomis, like most other dot-coms, was losing money and laying off employees. An effort to sell ads to pay Sanger's salary foundered as Internet advertising tanked, and Sanger lost his job in February 2002. He continued intermittently as a volunteer but finally broke with the project in January 2003 over the project's tolerance of problem participants and its hostility to experts.⁸

Since then, *Wikipedia*'s growth has accelerated. It had almost a half million articles by its third anniversary in January 2004; it broke the million mark just nine months later. More than fifty-five thousand people have made at least ten contributions to *Wikipedia*.⁹ Over this short history, it has also evolved a style of operation and a set of operating principles that require explanation before any discussion of history on *Wikipedia*.

The *Wikipedia* Way: How It Works

The *Wikipedia* "Policies and Guidelines" page links to dozens of other pages, including six pages of "General Guidelines" (for example, "Contribute what you know or are willing to learn about"); twelve of "Behavior Guidelines" ("Don't bite the newcomers"); nineteen of "Content Guidelines" ("Check your facts"); nine of "Style Guidelines" ("Avoid one-sentence paragraphs"); and five of "Conventions" ("How to title articles"). But realizing that "they" (I employ the pronoun to refer to the collectivity of *Wikipedia* authors, editors, administrators, and programmers) would have no participants if authors were required to master this massive set of instructions before writing, they helpfully add, "You don't need to read every *Wikipedia* policy before you contribute!" and they offer a short primer of four "key policies."¹⁰

"*Wikipedia*," they declare first, "is an encyclopedia. Its goals go no further." Personal essays, dictionary entries, critical reviews, "propaganda or advocacy," and "original research" are excluded. Historians may find the last exclusion surprising since we value original research above everything else, but it makes sense for a collaboratively created encyclopedia. How can the collectivity assess the validity of statements if there is no verification beyond the claim "I discovered this in my research"?¹¹ As a result, *Wikipedia* (like encyclopedias in general) summarizes and reports the conventional and accepted wisdom on a topic but does not break new ground. And someone whose expertise rests on having

⁷ Larry Sanger, "The Early History of *Nupedia* and *Wikipedia*: A Memoir," *Slashdot*, April 18, 2005 <<http://features Slashdot.org/features/05/04/18/164213.shtml>>; <http://en.wikipedia.org/wiki/History_of_Wikipedia> (July 29, 2005).


⁸ <http://en.wikipedia.org/wiki/Wikipedia:Multilingual_ranking_July_2005> (Aug. 16, 2005); <http://en.wikipedia.org/wiki/History_of_Wikipedia> (July 29, 2005).

⁹ <<http://en.wikipedia.org/wikistats/EN/TablesWikipediansContributors.htm>> (Sept. 1, 2005).

¹⁰ <http://en.wikipedia.org/wiki/Wikipedia:Policies_and_guidelines> (July 5, 2005).

¹¹ *Ibid.*; <http://en.wikipedia.org/wiki/No_original_research> (July 5, 2005).

Armenian Genocide
 From Wikipedia, the free encyclopedia
(Redirected from Armenian genocide)


The neutrality of this article is disputed.
 Please see the discussion on the talk page.

The **Armenian Genocide** (also known as the **Armenian Holocaust** or the **Armenian Massacre**) is a term which refers to the forced mass evacuation and related deaths of hundreds of thousands or over a million Armenians, during the government of the Young Turks from 1915 to 1917 in the Ottoman Empire. Several facts in connection with the event are a matter of ongoing dispute between parts of the international community and Turkey. Although it is generally agreed that events said to comprise what is termed the Armenian Genocide did occur, the Turkish government rejects that it was genocide, on the alleged basis that the deaths among the Armenians, were not a result of a state-sponsored plan of mass extermination, but from the result of inter-ethnic strife, disease and famine during the turmoil of World War I.

Despite this thesis, most Armenian, Western, and an increasing number of Turkish scholars believe that the massacres were a case of genocide. For example, most Western sources point to the sheer scale of the death toll. The event is also said to be the second-most studied case of genocide, and often draws comparison with the Holocaust. To date 24 countries, as discussed below, have officially recognized and accepted its authenticity as Genocide.

Contents [tabler]

The situation of the Armenians in Anatolia [edit]

Main article: Ottoman Armenian Population

In 1914, before World War I, there were an estimated two million Armenians in the Ottoman Empire, the vast majority of whom were of the Armenian Apostolic faith, with a small number of the Armenian Catholic and Protestant faiths. While the Armenian population in Eastern Anatolia (also called Western Armenia) was large and clustered, there were large numbers of Armenians in the western part of the Ottoman Empire. Many lived in the capital city of Istanbul.

Until the late 19th century, the Armenians were referred to as *millet-i sadika* (loyal nation) by the Ottomans. This meant that they were living in harmony with other ethnic groups and without any major conflict with the central authority. However the Christian Armenians were subject to Islamic dhimmi laws, which gave them fewer legal rights than Muslim fellow citizens. The Tanzimat gave more rights to the minorities in the middle of the 19th century. However, the long ruling Sultan Hamid suspended the constitution early in his reign and ruled as he saw fit. Despite pressure on the Sultan by the major European countries to treat the Christian minorities more gently, abuses only increased.

The single event that started the chain is most likely the Russian victory over the Ottoman Empire in the War of 1877-78. At the end of this war the Russians took control over a large part of Armenian territory (including the city of Kars). The Russians claimed they were the supporters of Christians within the Ottoman Empire and now they were clearly militarily superior to the Ottomans. The weakening control of the Ottoman government over its empire in the following 15 years led many Armenians to believe that they could regain independence from them.

History of Armenia

- Armenian Kingdom
- Ottoman Rule
- Russian Empire
- First Republic
- Transcaucasian Federative SSR
- Armenian SSR
- Armenia

edit

Collaborative history and controversy: The warning that “the neutrality of this entry is disputed” reflects the intensity—and lack of closure—of the debate (more than 300,000 words have been logged) on *Wikipedia* over how to present the Armenian genocide. <http://en.wikipedia.org/wiki/Armenian_Genocide/> (March 8, 2006).

done extensive original research on a topic gets no particular respect. That denigration of expertise contributed to Larry Sanger’s split from the project.

The second key Wikipedian injunction is to “avoid bias.” “Articles should be written from a neutral point of view [NPOV],” they insist, “representing differing views on a subject factually and objectively.” Historians who learned (or teach) the mantra that “there is no objective history” in their undergraduate history methods class will regard that advice with suspicion. But Wikipedians quickly point out that the NPOV policy (as it is incessantly referred to in *Wikipedia* discussions) “doesn’t assume that writing an article from a single, unbiased, objective point of view is possible.” Instead, Wikipedians say they want to describe disputes rather than to take sides in them, to characterize differing positions fairly.¹²

Of course, writing “without bias”—even in the circumscribed way that *Wikipedia* defines it—is, as Wikipedians concede, “difficult” since “all articles are edited by people” and “people are inherently biased.” But even if “neutrality” is a myth, it is a “founding myth” for *Wikipedia* much as “objectivity,” according to Peter Novick, is a “founding myth” for the historical profession. *Wikipedia* articles rarely ascend to the desired level of neutrality, but the NPOV policy provides a shared basis of discourse among Wikipedians. On the “Discussion” pages that accompany every *Wikipedia* article, the number one topic of debate is whether the article adheres to the NPOV. Sometimes, those debates can go on at mind-numbing length, such as the literally hundreds of pages devoted to an entry on the Armenian genocide that still carries a warning that “the neutrality of this article

¹² <<http://en.wikipedia.org/wiki/NPOV>> (July 8 2005).

is disputed.”¹³ *Wikipedia* entries on such controversial topics rarely succeed in meeting founder Jimmy Wales’s goal of presenting “ideas and facts in such a fashion that both supporters and opponents can agree.” But they surprisingly often achieve “a type of writing that is agreeable to essentially rational people who may differ on particular points.” Unfortunately, that “type of writing” sometimes leads to mushy prose, exemplified by this description of the historian Daniel Pipes: “He is a controversial figure, both praised and condemned by other commentators.”¹⁴

The third “key policy” is simpler: “don’t infringe copyrights.” Just as students can easily copy *Wikipedia* entries and submit them as term papers, *Wikipedia* authors can easily post prose copied from the vast plagiarism machine of the Web. But search engines make it relatively easy to catch both forms of plagiarism, and it does not seem to be much of a problem in *Wikipedia*. The more profound departure comes in the next sentence: *Wikipedia* “is a free encyclopedia licensed under the terms of the GNU Free Documentation License” (GFDL), a counterpart to the GNU General Public License (GPL) (used in free software projects such as Linux) designed for such open content as manuals and textbooks.¹⁵

The GFDL (and GPL) deviate most surprisingly from conventional intellectual property rules by giving you the freedom to use the text however you wish. As the license states: “You may copy and distribute the Document in any medium, either commercially or noncommercially, provided . . . you add no other conditions whatsoever to those of this License.”¹⁶ The “provided” clause means that any derivative document must inherit the same freedoms offered by the original—what GNUers call “copyleft.” You can publish a compilation of presidential biographies based on the profiles in *Wikipedia*; you can even rewrite half of them. But your new version must give credit to *Wikipedia* and allow others to reuse and refashion your revised version. In fact, multiple versions of *Wikipedia* content have sprouted all over the Web.

One further implication of *Wikipedia*’s implementation of free and open-source software principles is that its content is available to be downloaded, manipulated, and “data mined”—something not possible even with many resources (newspapers, for example) that can be read free online. *Wikipedia* can therefore be used for other purposes, including such questions-answering services as the Center for History and New Media’s automated historical fact finder, H-Bot. Or it might provide the basis for tools that would enable you to search intelligently through quantities of undifferentiated digital text and distinguish, say, between references to John D. Rockefeller and those to his son John D. Rockefeller Jr. As Daniel J. Cohen has argued, resources such as *Wikipedia* “that are free to use in any way, even if they are imperfect, are more valuable than those that are gated or use-restricted, even if those resources are qualitatively better.” Your freedom both to rewrite *Wikipedia* entries and to manipulate them for other purposes is thus arguably more profound than your ability to read them “for free.” It is why free-software advocates say

¹³ Peter Novick, *That Noble Dream: The “Objectivity Question” and the American Historical Profession* (Cambridge, Eng., 1988), 3; <http://en.wikipedia.org/wiki/Armenian_Genocide> (July 10, 2005).

¹⁴ <<http://en.wikipedia.org/wiki/NPOV>> (July 8, 2005); <http://en.wikipedia.org/wiki/Daniel_Pipes> (Aug. 21, 2005).

¹⁵ <http://en.wikipedia.org/wiki/Wikipedia:Policies_and_guidelines> (July 5, 2005).

¹⁶ Free Software Foundation, *GNU Free Documentation License*, last modified May 2, 2005 <<http://www.fsf.org/licensing/licenses/fdl.html>>.

that to understand the concept of free software, you should think of “free speech” more than “free beer.”¹⁷

The fourth pillar of *Wikipedia* wisdom is “respect other contributors.”¹⁸ Like writing without bias, it is easier said than done. What kind of respect, for example, do you owe a contributor who defaces other contributions or attacks other contributors? How do you ensure that entries are not continually filled with slurs and vandalism when the wiki allows any person anyplace to write whatever he or she pleases in any *Wikipedia* entry?

Wikipedia got by initially with a minimum of rules, in part to encourage participation.

We began [recalled Sanger] with no (or few) policies in particular and said that the community would determine—through a sort of vague consensus, based on its experience working together—what the policies would be. The very first entry on a “rules to consider” page was the “Ignore All Rules” rule (to wit: “If rules make you nervous and depressed, and not desirous of participating in the wiki, then ignore them entirely and go about your business”).

Over time, however, rules proliferated. But *Wikipedia* acquired laws before it had police or courts. Sanger and Wales “agreed early on that, at least in the beginning, [they] should not eject anyone from the project except perhaps in the most extreme cases. . . . despite the presence of difficult characters from nearly the beginning of the project.” Sanger himself became increasingly distressed by the tolerance of “difficult people,” or “trolls,” on *Wikipedia*, believing they drove away “many better, more valuable contributors.” Ultimately, the trolls wore Sanger down and pushed him out of the project.¹⁹

Although Sanger lost this battle, he may have won the war. *Wikipedia* gradually developed elaborate mechanisms for dealing with difficult people. It evolved intricate rules by which participants could be temporarily or even permanently banned from *Wikipedia* for inappropriate behavior. It also set up an elaborate structure of “administrators,” “bureaucrats,” “stewards,” “developers,” and elected trustees to oversee the project.²⁰ But the ideal remained to reach consensus—somewhat in the style of 1960s participatory democracy—rather than to impose formal discipline.

Standing over this noisy democratic polis, however, is the founder, Jimmy Wales—the “God-King,” as some call him. The “banning policy” explains how users can be banned from *Wikipedia* by the “arbitration committee” or by Wikipedians acting “according to appropriate community-designed policies with consensus support.” But it also adds tersely: “Jimbo Wales retains the power to ban users, and has used it.” Wales’s power rests not just on his prestige as founder but also on his place in the encyclopedia’s legal structure. The Wikimedia Foundation, which controls *Wikipedia*, has a five-member board: two elected members plus Wales and two of his business partners.²¹

¹⁷ Daniel J. Cohen, “From Babel to Knowledge: Data Mining Large Digital Collections,” *D-Lib Magazine*, 12 (March 2006) <<http://www.dlib.org/dlib/march06/cohen/03cohen.html>> (March 21, 2006). For H-Bot, which was also developed by Daniel J. Cohen, see <<http://chm.gmu.edu/tools/h-bot/>> (March 21, 2006). For definitions of free software, see Free Software Foundation, “The Free Software Definition” <<http://www.fsf.org/licensing/essays/free-sw.html>> (March 21, 2006).

¹⁸ <http://en.wikipedia.org/wiki/Wikipedia:Policies_and_guidelines> (July 5, 2005).

¹⁹ Sanger, “Early History of *Nupedia* and *Wikipedia*.”

²⁰ <<http://en.wikipedia.org/wiki/Wikipedia:Administrators>> (Sept. 5, 2005).

²¹ <http://en.wikipedia.org/wiki/Wikipedia:Banning_policy> (Sept. 5, 2005); <http://en.wikipedia.org/wiki/Jimmy_Wales> (July 5, 2005). But note that Wales “has stated that if the two members of the board who edit *Wiki-*

All of this works surprisingly well. To be sure, *Wikipedia* can be a bewildering and annoying place for newcomers. One familiar complaint is that “‘fanatic,’ even ‘kooky’ contributors with idiosyncratic, out-of-mainstream, non-scientific belief systems can easily push their point of view, because nobody has the time and energy to fight them, and because they may be highly-placed in the *Wikipedia* bureaucracy.” Yet somehow thousands of dispersed volunteers who do not know each other have organized a massive enterprise. Consensus and democracy fail at times. The *Wikipedia* collectivity must temporarily “lock” controversial entries because of vandalism and “edit wars” in which articles are changed and immediately changed back, such as an effort by NYCEXPAT to remove any references to Father Charles Coughlin’s anti-Semitism. But other entries—even ones in which dedicated partisans such as the followers of Lyndon LaRouche battle for their point of view—remain open for anyone to edit and still present a reasonably accurate account.²²

Wikipedia as History

Wikipedia has created a working community, but has it created a good historical resource? Are *Wikipedians* good historians? As in the old tale of the blind men and the elephant, your assessment of *Wikipedia* as history depends a great deal on what part you touch. It also depends, as we shall see, on how you define “history.”

American historians might look first at the *Wikipedia* page headed “List of United States History Articles,” which includes twelve articles surveying American history in conventional time periods and another thirty or so articles on such key topics as immigration, diplomatic history, and women’s history. Unfortunately, the blind man reporting from those nether regions would return shaking his head in annoyance. He might start by complaining that the essay on the United States from 1918 to 1945 inaccurately describes the National Industrial Recovery Act of 1933 as in part a response to the “dissident challenges” of Huey Long and Father Charles Coughlin—a curious characterization of a law enacted when Coughlin was still an enthusiastic backer of Roosevelt and Long was an official (if increasingly critical) ally. But he would be much more distressed by the essay’s incomplete, almost capricious, coverage than by the minor errors. Dozens of standard topics—the Red Scare, the Ku Klux Klan, the Harlem Renaissance, woman suffrage, the rise of radio, the emergence of industrial unionism—go unmentioned. And he would grind his teeth over the awkward prose and slack analysis (“the mood of the na-

pedia vote the same way on something, he will cast his vote in their favor, effectively giving them the controlling majority.” *Ibid.* Most of the money supporting the Wikimedia Foundation has come from successful fund-raising drives, but it has also received support from corporations and foundations. See *Wikimedia Foundation* <<http://wikimediafoundation.org/wiki/Home>>. Wales also controls a for-profit company, Wikia, which sells ads, manages Wikicities, a collection of over 250 wiki communities, and hosts Memory Alpha, a Star Trek encyclopedia, and Uncylopedia, a parody encyclopedia. <<http://en.wikipedia.org/wiki/Wikia>> (Dec. 28, 2005). See also Barnett, “Wiki Mania.”

²²“Critical Views of *Wikipedia*,” *Wikiinfo* (a fork of *Wikipedia*), <http://www.wikiinfo.org/wiki.php?title=Critical_views_of_Wikipedia> (July 23, 2005); <http://en.wikipedia.org/wiki/Talk:Charles_Coughlin> (Sept. 5, 2005). The article was locked when I first looked at it on Aug. 24, 2005, but it was unlocked on Sept. 1, 2005, with the comment that the “page has been protected for far too long. It’s a wiki, time to let people edit it again.” On edit wars, see Sarah Boxer, “Mudslinging Weasels into Online History,” *New York Times*, Nov. 10, 2004, p. E1. But press accounts have tended to exaggerate the degree to which pages are locked. See <http://en.wikipedia.org/wiki/Lyndon_LaRouche> (Sept. 5, 2005); and the very extensive debate about the entry at <http://en.wikipedia.org/wiki/Talk:Lyndon_LaRouche> (Sept. 5, 2005).

tion rejected Wilson's brand of internationalism") and the sometimes confusing structure (the paragraph on legislation passed in 1935 appears in the section on Roosevelt's second term).²³

Other entries in the United States history series are worse. The entry on women leaves out the Nineteenth Amendment but devotes a paragraph to splits in the National Organization for Women (NOW) over the defense of Valerie Solanas (who shot Andy Warhol). The 1865 to 1918 entry only briefly alludes to the Spanish-American War but devotes five paragraphs to the Philippine war, an odd reversal of the general bias in history books, which tend to ignore the latter and lavish attention on the former. The essay also plagiarizes one sentence from another online source. The 4,000-word essay on the history of U.S. immigration verges on incoherence and mentions famine-era Irish immigration only in a one-line picture caption.²⁴

Part of the problem is that such broad synthetic writing is not easily done collaboratively. Equally important, some articles do not seem to have attracted much interest from Wikipedians. The essay on the interwar years has had only 137 edits, about one-seventh the number of interventions in the article on FDR. Participation in *Wikipedia* entries generally maps popular, rather than academic, interests in history. U.S. cultural history, recently one of the liveliest areas of professional history writing, is what *Wikipedia* calls a "stub" consisting of one banal sentence ("The cultural history of the United States is a broad topic, covering or having influence in many of the world's cultural aspects."). By contrast, *Wikipedia* offers a detailed 3,100-word article titled "Postage Stamps and Postal History of the United States," a topic with a devoted popular following that attracts little scholarly interest.²⁵

Biographies of historical figures offer a more favorable terrain for *Wikipedia* since biography is always an area of popular historical interest. Moreover, biographies offer the opportunity for more systematic comparison because the unit of analysis is clear-cut, whereas other topics can be sliced and diced in multiple ways. But even to assess the quality of biographical writing in *Wikipedia* requires some context. You cannot compare, for example, *Wikipedia's* 5,000 words on Martin Luther King Jr. with Taylor Branch's three-volume (2,900-page) prizewinning biography.²⁶ But how does it stack up against other reference works?

I judged 25 *Wikipedia* biographies against comparable entries in *Encarta*, Microsoft's well-regarded online encyclopedia (one of the few commercial encyclopedias that survive from a once-crowded marketplace), and in *American National Biography Online*, a high-quality specialized reference work published by Oxford University Press for the American Council of Learned Societies, written largely by professional historians, and supported by

²³ <[http://en.wikipedia.org/wiki/History_of_the_United_States_\(1918-1945\)](http://en.wikipedia.org/wiki/History_of_the_United_States_(1918-1945))> (July 31, 2005); Alan Brinkley, *Voices of Protest: Huey Long, Father Coughlin, and the Great Depression* (New York, 1983), 57–61, 108.

²⁴ <http://en.wikipedia.org/wiki/History_of_the_United_States_%281865-1918%29> (July 31, 2005); <http://en.wikipedia.org/wiki/Feminist_history_in_the_United_States> (July 31, 2005); <http://en.wikipedia.org/wiki/Immigration_to_the_United_States> (July 31, 2005). The sentence was lifted from the United States Information Agency's (USIA) online history textbook, available at <<http://odur.let.rug.nl/~usa/H/index.htm>>.

²⁵ <http://en.wikipedia.org/wiki/Cultural_history_of_the_United_States> (July 31, 2005); <http://en.wikipedia.org/wiki/Postage_stamps_and_postal_history_of_the_United_States> (Sept. 18, 2005).

²⁶ Taylor Branch, *Parting the Waters: America in the King Years, 1954–63* (New York, 1988); Taylor Branch, *Pillar of Fire: America in the King Years, 1963–65* (New York, 1998); Taylor Branch, *At Canaan's Edge: America in the King Years, 1965–68* (New York, 2006).

major grants. The comparison is unfair—both publications have had multimillion-dollar budgets—but it is still illuminating, and it sheds some favorable light on *Wikipedia*.²⁷

In coverage *Wikipedia* currently lags behind the comprehensive *American National Biography Online*, which has 18,000 entries, but exceeds the general-interest *Encarta*. Of a sample of 52 people listed in *American National Biography Online*, *Wikipedia* included one-half, but *Encarta* only about one-fifth. The *American National Biography Online* profiles were also more detailed, averaging about four times as many words as those in *Wikipedia*. *Encarta* was the least detailed, with its entries for the sample only about one-quarter the length of *Wikipedia*'s.²⁸ Yet what is most impressive is that *Wikipedia* has found unpaid volunteers to write surprisingly detailed and reliable portraits of relatively obscure historical figures—for example, 900 words on the Union general Romeyn B. Ayres.

Relying on volunteers and eschewing strong editorial control leads to widely varying article lengths in *Wikipedia*. It devotes 3,500 words to the science fiction writer Isaac Asimov, more than it gives to President Woodrow Wilson (3,200) but fewer than it devotes to the conspiracy theorist and perennial presidential candidate Lyndon LaRouche (5,400); *American National Biography Online* provides a more proportionate (from a conventional historical perspective) coverage of 1,900 words for Asimov and 7,800 for Wilson. (It ignores the still-living LaRouche.) Of course, *American National Biography Online* also betrays the biases of its editors in its word allocations: Would nonhistorians agree that Charles Beard deserves twice as many words as the reformer and New Deal administrator Harold Ickes?

As the attention devoted to Asimov hints, *Wikipedia*'s authors do not come from a cross-section of the world's population. They are more likely to be English-speaking, males, and denizens of the Internet. Such bias has occasioned much discussion, including among Wikipedians. A page of candid self-criticism titled "Why *Wikipedia* Is Not So Great," acknowledges that "geek priorities" have shaped the encyclopedia: "There are many long and well-written articles on obscure characters in science fiction/fantasy and very specialised issues in computer science, physics and math; there are stubs, or bot [machine-generated] articles, or nothing, for vast areas of art, history, literature, film, geography." One regular contributor to *Wikipedia*'s history articles observed (somewhat tongue in cheek): "*Wikipedia* kicks *Britannica*'s ass when it comes to online MMP [massively multiplayer] games, trading card games, Tolkieniana and Star Wars factoids!" "This is the encyclopedia that *Slashdot* built" goes a familiar complaint that alludes to the early promotion of *Wikipedia* by the Web site that bills itself as the home of "news for nerds." The "Google effect" further encouraged participation by Web surfers. As Sanger later explained, "each time Google spidered [crawled] the website, more pages would be indexed;

²⁷ *American National Biography* received at least \$2.5 million in grants. See Janny Scott, "Commerce and Scholarship Clash; Publisher Seeks to Update a Classic, to Cries of 'Thuggery,'" *New York Times*, Nov. 22, 1996, p. B1. For the travails of the encyclopedia business, see Ronna Abramson, "Look under 'M' for Mess," *Industry Standard*, April 9, 2001, p. 56; May Wong, "Pity the Poor Encyclopedia," *Associated Press*, March 6, 2004, accessed through Lexis-Nexis. On the development of *Encarta* (which involved a team of 135 people even in its first phase as a CD-ROM), see Fred Moody, *I Sing the Body Electric: A Year with Microsoft on the Multimedia Frontier* (New York, 1995), 6–17. Initially, *Encarta* was based on the mediocre Funk & Wagnall's encyclopedia, but massive revision has greatly improved it.

²⁸ I averaged 9 biographies that were in all three sources (excluding that of Andrew Jackson, which distorted the comparison because of its unusual length): *American National Biography Online*: 1,552 words per biography; *Wikipedia*: 386; *Encarta*: 107. Of 20 Civil War army officers covered in *American National Biography Online*, *Wikipedia* had 8 and *Encarta* only 2.

the greater the number of pages indexed, the more people arrived at the project; the more people involved in the project, the more pages there were to index.”²⁹

Encyclopedia Britannica editor in chief Dale Hoiberg defensively pointed out to the *Guardian* that “*Wikipedia* authors write of things they’re interested in, and so many subjects don’t get covered; and news events get covered in great detail. The entry on Hurricane Frances is five times the length of that on Chinese art, and the entry on the British television show *Coronation Street* is twice as long as the article on Tony Blair.” (Wikipedians responded to this criticism defensively, making the Blair entry 50 percent longer than the one on the television show.) But the largest bias—at least in the English-language version—favors Western culture (and English-speaking nations), rather than geek or popular culture.³⁰

Perhaps as a result, *Wikipedia* is surprisingly accurate in reporting names, dates, and events in U.S. history. In the 25 biographies I read closely, I found clear-cut factual errors in only 4. Most were small and inconsequential. Frederick Law Olmsted is said to have managed the Mariposa mining estate after the Civil War, rather than in 1863. And some errors simply repeat widely held but inaccurate beliefs, such as that Haym Salomon personally loaned hundreds of thousands of dollars to the American government during the Revolution and was never repaid. (In fact, the money merely passed through his bank accounts.) Both *Encarta* and the *Encyclopedia Britannica* offer up the same myth.³¹ The 10,000-word essay on Franklin Roosevelt was the only one with multiple errors. Again, some are small or widely accepted, such as the false claim (made by Roosevelt supporters during the 1932 election) that FDR wrote the Haitian constitution or that Roosevelt money was crucial to his first election to public office in 1910. But two are more significant—the suggestion that a switch by Al Smith’s (rather than John Nance Garner’s) delegates gave Roosevelt the 1932 nomination and the statement that the Supreme Court overruled the National Industrial Recovery Act (NIRA) in 1937, rather than 1935.

The lack of a single author or an overall editor means that *Wikipedia* sometimes gets things wrong in one place and right in another. The Olmsted entry has him (correctly) forming Olmsted, Vaux and Company in 1865 at the same time that he is (incorrectly) in California running Mariposa. The entry on Andrew Jackson Downing says that Olmsted and Calvert Vaux designed Central Park in 1853 even though the cross-referenced article on Vaux has them (accurately) winning the design competition in 1858.³²

To find 4 entries with errors in 25 biographies may seem a source for concern, but in fact it is exceptionally difficult to get every fact correct in reference works. “People don’t realize how hard it is to nail the simplest things,” noted Lars Mahinske, a senior researcher for *Britannica*. I checked 10 *Encarta* biographies for figures that also appear in *Wikipedia*,

²⁹ <http://en.wikipedia.org/wiki/Wikipedia:Why_Wikipedia_is_not_so_great> (July 25, 2005); Jengold e-mail interview by Joan Fragaszy, June 4, 2004 (Center for History and New Media, George Mason University, Fairfax, Va.); Sanger, “Early History of *Nupedia* and *Wikipedia*.”

³⁰ Dale Hoiberg quoted in a good compilation of criticisms: <http://en.wikipedia.org/wiki/Criticism_of_Wikipedia> (Sept. 5, 2005).

³¹ <http://en.wikipedia.org/wiki/Frederick_Law_Olmsted> (April 10, 2005); Edward McManus, “Salomon, Haym,” *American National Biography Online* (New York, 2000).

³² <http://en.wikipedia.org/wiki/Frederick_Law_Olmsted> (April 10, 2005); <http://en.wikipedia.org/wiki/Andrew_Jackson_Downing> (Aug. 16, 2005); <http://en.wikipedia.org/wiki/Calvert_Vaux> (Aug. 24, 2005). Professionally edited reference works also suffer from inconsistencies. The 1958 edition of the *Encyclopedia Britannica* repeats the Betsy Ross legend in the entry on her but not in the one on the flag and has Pocahontas rescuing John Smith in the Smith entry but not the Pocahontas entry, according to Harvey Einbinder, *The Myth of the Britannica* (New York, 1964), 359–62, 179–80.

and in the commercial product I found at least 3 biographies with factual mistakes. Even the carefully edited *American National Biography Online*, whose biographies are written by experts, contains at least one factual error in the 25 entries I examined closely, the date of Nobel Prize winner I. I. Rabi's doctoral degree—a date that *Wikipedia* gets right. Indeed, Wikipedians, who are fond of pointing out that respected reference sources have mistakes, gleefully publish a page devoted to “Errors in the Encyclopedia Britannica That Have Been Corrected in *Wikipedia*.”³³

Wikipedia, then, beats *Encarta* but not *American National Biography Online* in coverage and roughly matches *Encarta* in accuracy. This general conclusion is supported by studies comparing *Wikipedia* to other major encyclopedias. In 2004 a German computing magazine had experts compare articles in twenty-two different fields in the three leading German-language digital encyclopedias. It rated *Wikipedia* first with a 3.6 on a 5-point scale, placing it above *Brockhaus Premium* (3.3) and *Encarta* (3.1). The following year the British scientific magazine *Nature* asked experts to assess 42 science entries in *Wikipedia* and *Encyclopedia Britannica*, without telling them which articles came from which publication. The reviewers found only 8 serious errors, such as misinterpretations of major concepts—an equal number in each encyclopedia. But they also noted that *Wikipedia* had a slightly larger number (162 versus 123) of smaller mistakes, including “factual errors, omissions or misleading statements.” *Nature* concluded that “*Britannica*'s advantage may not be great, at least when it comes to science articles,” and that “considering how *Wikipedia* articles are written, that result might seem surprising.”³⁴

Thus, the free and open-source encyclopedia *Wikipedia* offers a formidable challenge to the well-established and seemingly authoritative *Encyclopedia Britannica* as well as to Microsoft's newer and well-regarded *Encarta* just as the free and open-source Linux operating system now seriously challenges Microsoft's Windows in the server market. Not surprisingly, *Encarta* has been scrambling to compete—both by making its content more generally available (you can get free access by using the MSN search engine) and by inviting readers to propose edits to the content.

If the unpaid amateurs at *Wikipedia* have managed to outstrip an expensively produced reference work such as *Encarta* and provide a surprisingly comprehensive and largely accurate portrait of major and minor figures in U.S. history, professional historians need not fear that Wikipedians will quickly put them out of business. Good historical writing requires not just factual accuracy but also a command of the scholarly literature, persuasive analysis and interpretations, and clear and engaging prose. By those measures, *American National Biography Online* easily outdistances *Wikipedia*.

³³ Michael J. McCarthy, “It's Not True about Caligula's Horse; Britannica Checked,” *Wall Street Journal*, April 22, 1990, p. A1; <http://en.wikipedia.org/wiki/Wikipedia:Errors_in_the_Encyclop%C3%A6dia_Britannica_that_have_been_corrected_in_Wikipedia> (Sept. 5, 2005). The *American National Biography Online* entry (by William A. Nierenberg) gives the date of I. I. Rabi's Ph.D. as 1926, but *Encarta*, *Wikipedia*, *Dissertation Abstracts*, and the Columbia University catalog say 1927. Rabi submitted an article version of his dissertation to *Physical Review* in 1926, which may be the basis of *American National Biography Online*'s dating. See John S. Rigden, *Rabi: Scientist and Citizen* (Cambridge, Mass., 1987), 45.

³⁴ Michael Kurzidim, “Wissenswettbewerb. Die kostenlose Wikipedia tritt gegen die Marktführer Encarta und Brockhaus an” (Knowledge competition: Free *Wikipedia* goes head to head with market leaders *Encarta* and *Brockhaus*), *ct*, Oct. 4, 2004, pp. 132–39; Jim Giles, “Internet Encyclopaedias Go Head to Head,” *Nature*, Dec. 15, 2005 <<http://www.nature.com/nature/journal/v438/n7070/full/438900a.html>>. The computer scientist Edward Felten compared 6 entries from *Wikipedia* to the similar articles in *Encyclopedia Britannica* and found that 4 of those in *Wikipedia* were better. Edward Felten, *Freedom to Tinker*, blog, Sept. 3, 2004 <<http://www.freedom-to-tinker.com/?p=674>>.

Compare, for example, *Wikipedia's* 7,650-word portrait of Abraham Lincoln with the 11,000-word article in *American National Biography Online*. Both avoid factual errors and cover almost every important episode in Lincoln's life. But surely any reader of this journal would prefer the *American National Biography Online* sketch by the prominent Civil War historian James McPherson. Part of the difference lies in McPherson's richer contextualization (such as the concise explanation of the rise of the Whig party) and his linking of Lincoln's life to dominant themes in the historiography (such as free-labor ideology). But McPherson's profile is distinguished even more by his artful use of quotations to capture Lincoln's voice, by his evocative word portraits (the young Lincoln was "six feet four inches tall with a lanky, rawboned look, unruly coarse black hair, a gregarious personality, and a penchant for telling humorous stories"), and by his ability to convey a profound message in a handful of words ("The republic endured and slavery perished. That is Lincoln's legacy."). By contrast, *Wikipedia's* assessment is both verbose and dull: "Lincoln's death made the President a martyr to many. Today he is perhaps America's second most famous and beloved President after George Washington. Repeated polls of historians have ranked Lincoln as among the greatest presidents in U.S. history."³⁵

In addition to McPherson's elegant prose, his profile embodies the skill and confident judgment of a seasoned historian. The same is true of many other *American National Biography Online* sketches—Alan Brinkley on Franklin Roosevelt or T. H. Watkins on Harold Ickes, for example. Those gems of short biographical writing combine crisp prose with concise judgments about the significance of their subjects. Even less masterly entries in *American National Biography Online* generally sport smoother prose than *Wikipedia*. And they also offer reliable bibliographic essays with the latest scholarly works. *Wikipedia* entries generally include references, but not always the best ones. The bibliography for Haym Salomon contains only two works, both published more than fifty years ago. Of one of those books, *American National Biography Online* warns that it "repeats all the myths and fabrications found in earlier accounts."³⁶

Of course, not all historians write as well as McPherson and Brinkley, and some of the better-written *Wikipedia* entries provide more engaging portraits than some sterile and routine entries in *American National Biography Online*. For example, the *American National Biography Online* sketch of the Hall of Fame pitcher Red Faber provides a plodding, almost year-by-year account, whereas *Wikipedia* gives a more concise overview of his career and significance. *Wikipedia's* profile of the Confederate guerrilla fighter William Clarke Quantrill arguably does a better job of detailing the controversies about his actions than *American National Biography Online*. Even so, it provides a typical waffling conclusion that contrasts sharply with the firm judgments in the best of the *American National Biography Online* essays: "Some historians," they write, "remember him as an opportunistic, bloodthirsty outlaw, while others continue to view him as a daring soldier and local folk hero."³⁷

³⁵ <http://en.wikipedia.org/wiki/Abraham_Lincoln> (Oct. 23, 2005); James McPherson, "Lincoln, Abraham," *American National Biography Online*. *Nature* comes to a similar conclusion about the writing in *Wikipedia*, noting that several of its expert readers found the articles "poorly structured and confusing." See Giles, "Internet Encyclopaedias Go Head to Head."

³⁶ McManus, "Salomon, Haym." See also Alan Brinkley, "Roosevelt, Franklin D.," *American National Biography Online*; and T. H. Watkins, "Ickes, Harold," *ibid*.

³⁷ <http://en.wikipedia.org/wiki/William_Quantrill> (July 15, 2005).

This waffling—encouraged by the NPOV policy—means that it is hard to discern any overall interpretive stance in *Wikipedia* history. One might expect—given the Randian politics of the founders and the strength of libertarian sentiments in cyberspace—a libertarian or conservative slant. But I did not find it. One can see occasional glimmers, as in the biography of Calvin Coolidge that says with apparent approval, “Coolidge was the last President of the United States who did not attempt to intervene in free markets, letting business cycles run their course.” This sentence was inserted early on by an avowed libertarian and it has survived dozens of subsequent edits. But *Wikipedia* also presents the socialist Eugene V. Debs in flattering terms; the only criticism is that he “underestimated the lasting power of racism.” At least one conservative blogger charges that *Wikipedia* is “more liberal than the liberal media.”³⁸

If anything, the bias in *Wikipedia* articles favors the subject at hand. “Articles tend to be whatever-centric,” they acknowledge in one of their many self-critical commentaries. “People point out whatever is exceptional about their home province, tiny town or bizarre hobby, without noting frankly that their home province is completely unremarkable, their tiny town is not really all that special or that their bizarre hobby is, in fact, bizarre.” That localism can sometimes cause conflicts on nonlocal entries, as in the Olmsted profile, where a Wikipedian from Louisville complains on the “Discussion” page that the biography overestimates Olmsted’s work in Buffalo and ignores his work in—surprise!—Louisville.³⁹

Moreover, the collective mode of composition in *Wikipedia* and the repeated invocation of the NPOV policy mean that it tends to avoid controversial stands of all kinds. Whereas there is much popular interest in lurid aspects of history, *Wikipedia* editors shy away from sensationalist interpretations (although not from discussion of controversies about such interpretations). The biography of Warren G. Harding cautiously warns of “innuendo” and “speculation” surrounding his extramarital affairs, expresses doubt about his alleged affair with Nan Britton, and insists that there is “no scientific or legal basis” for the rumors of Harding’s mixed “blood.” And while popular history leans toward conspiracy theories, *Wikipedia* seems more likely to debunk them. It judiciously concludes that there is “no evidence” that Roosevelt “knew all about the planned attack on Pearl Harbor but did nothing to prevent it.”⁴⁰

³⁸ <http://en.wikipedia.org/wiki/Calvin_Coolidge> (March 10, 2006); <http://en.wikipedia.org/wiki/Eugene_V._Debs> (Aug. 24, 2005); *No Oil for Pacifists*, blog, June 17, 2005 <<http://nooilforpacifists.blogspot.com/2005/06/open-source-closed-minds.html>>.

³⁹ <http://en.wikipedia.org/wiki/Wikipedia:Why_Wikipedia_is_not_so_great> (July 25, 2005); <http://en.wikipedia.org/wiki/Talk:Frederick_Law_Olmsted> (Sept. 5, 2005). The extreme case of this particular bias is the editing of *Wikipedia* entries to flatter oneself. The former MTV VJ (video jockey) Adam Curry anonymously edited the article on podcasting to emphasize his own contribution to it. Similarly, Jimmy Wales edited his own *Wikipedia* entry to remove references to Larry Sanger’s role in co-founding the online encyclopedia and to Bomis Babes as presenting “pornography.” *Wikipedia*’s guidelines on “autobiography” begin by quoting Wales: “It is a social faux pas to write about yourself.” Daniel Terdiman, “Adam Curry Gets Podbusted,” *Media Blog*, Dec. 2, 2005 <http://news.com.com/2061-10802_3-5980758.html>; <<http://www.cadenhead.org/workbench/news/2828>> (Dec. 28, 2005); Rogers Cadenhead, “*Wikipedia* Founder Looks Out for Number 1,” *Workbench*, Dec. 19, 2005 <http://en.wikipedia.org/wiki/Talk:Jimmy_Wales> (Dec. 28, 2005); <http://en.wikipedia.org/wiki/Wikipedia:Autobiography#If_Wikipedia_already_has_an_article_about_you> (Dec. 28, 2005). Wales later told a reporter that he regretted making the changes: “I wish I hadn’t done it. It’s in poor taste.” Rhys Blakely, “*Wikipedia* Founder Edits Himself,” *Times Online*, Dec. 20, 2005 <<http://www.timesonline.co.uk/article/0,,1-1948005,00.html>>. In January 2006 it emerged that some congressional staffers were altering their bosses’ biographies to provide more flattering portraits or, for example, to remove mentions of indicted House majority leader Tom DeLay. See <http://en.wikinews.org/wiki/Congressional_staff_actions_prompt_Wikipedia_investigation> (March 14, 2006).

⁴⁰ <http://en.wikipedia.org/wiki/Warren_G._Harding> (July 4, 2005); <http://en.wikipedia.org/wiki/Franklin_Delano_Roosevelt> (July 3, 2005). John Summers offers a concise case for the Warren G. Harding–Nan Britton af-

Overall, writing is the Achilles' heel of *Wikipedia*. Committees rarely write well, and *Wikipedia* entries often have a choppy quality that results from the stringing together of sentences or paragraphs written by different people. Some Wikipedians contribute their services as editors and polish the prose of different articles. But they seem less numerous than other types of volunteers. Few truly gifted writers volunteer for *Wikipedia*. *Encarta*, while less comprehensive than *Wikipedia*, generally offers better—especially, more concise—writing.

Even so, few would turn to *Encarta* or the *Encyclopedia Britannica* for good writing. Like other such works, *Wikipedia* employs the “encyclopedia voice,” a product, the former *Encyclopedia Britannica* editor Robert McHenry argued, of “a standardized process and standardized forms, and . . . a permanent editorial staff, whose members train their successors in what amounts to an apprenticeship.” It also reflects reference works' general allergy to strongly stated opinions. More than forty years ago, Charles Van Doren, who became a senior editor at *Encyclopedia Britannica* after his quiz show debacle, complained that “the tone of American encyclopedias is often fiercely inhuman. It appears to be the wish of some contributors to write about living institutions as if they were pickled frogs, outstretched upon a dissecting board.” Contrast any modern encyclopedia entry with this one on John Keats by Algernon Charles Swinburne, in the (late nineteenth-century) ninth edition of the *Encyclopedia Britannica*: “The Ode to a Nightingale, one of the final masterpieces of human work in all time and for all ages, is immediately preceded in all editions now current by some of the most vulgar and fulsome doggerel ever whimpered by a vapid and effeminate rhymester in the sickly stage of whelphood.”⁴¹

Swinburne's “bias” would have transgressed not only *Wikipedia*'s NPOV but also the preference of conventional, modern encyclopedias for what McHenry calls “the blandness of mere information.” Indeed, the NPOV mimics conventional “encyclopedia style.” “Wikipedia users,” two social scientists conclude, “appropriate norms and expectations about what an ‘encyclopedia’ should be, including norms of formality, neutrality, and consistency, from the larger culture.” As a result, they find, over time *Wikipedia* entries become “largely indistinguishable stylistically from [those in] the expert-created *Columbia Encyclopedia*.”⁴²

Conversely, the worst-written entries are the newest and least edited. As the “Replies to Common Objections” page explains: “*Wikipedia* has a fair bit of well-meaning, but ill-informed and amateurish work. In fact, we welcome it—an amateurish article to be improved later is better than nothing.”⁴³ That means you can encounter both the polished entry on Red Faber and the half-written article on women's history. Less sophisticated readers may not know the difference.

They also may not realize when an article has been vandalized. But vandalism turns out to be less common than one would expect in a totally open system. Over a two-year period, vandals defaced the Calvin Coolidge entry only ten times—almost all with ob-

fair in response to a letter making the opposite case. Robert H. Ferrell and Warren G. Harding III to Editor, *Journal of American History*, 88 (June 2001), 330–31; John Summers to Editor, *ibid.*, 331–33.

⁴¹ Robert McHenry, “Whatever Happened to Encyclopedic Style?,” *Chronicle of Higher Education*, Feb. 23, 2003, p. B13; Algernon Charles Swinburne quoted *ibid.*; Charles Van Doren quoted in Pink, “Book Stops Here.”

⁴² William Emigh and Susan C. Herring, “Collaborative Authoring on the Web: A Genre Analysis of Online Encyclopedias,” *Proceedings of the 38th Hawaii International Conference on System Sciences* (2005) <<http://csdl.computer.org/comp/proceedings/hicss/2005/2268/04/22680099a.pdf>>.

⁴³ <http://en.wikipedia.org/wiki/Wikipedia:Replies_to_common_objections> (July 23, 2005).

scenities or juvenile jottings that would have not misled any visitor to the site. (The one exception changed his birth date to 1722, which was also unlikely to confuse anyone.) The median time for repairing the damage was three minutes.⁴⁴ More systematic tests have found that vandalism generally has a short life on *Wikipedia*. The blogger Alex Halavais, graduate director for the informatics school at the University at Buffalo, inserted thirteen small errors into *Wikipedia* entries—including, for example, the claim that the “well-known abolitionist Frederick Douglass made Syracuse his home for four years.” To his surprise, vigilant Wikipedians removed all the mistakes within two and a half hours. Others have been more successful in slipping errors into the encyclopedia, including an invented history of Chesapeake, Virginia, describing it as a major importer of cow dung until “it collapsed in one tremendous heap,” which lasted on *Wikipedia* for a month.⁴⁵ But vandals face formidable countermeasures that *Wikipedia* has evolved over time, including a “recent changes patrol” that constantly monitors changes reported on a “Recent Changes” page as well as “personal watchlists” that tell contributors whether an article of interest to them has been changed. On average, every article is on the watchlist of two accounts, and the keepers of those lists often obsessively check them several times a day. More generally, the sheer volume of edits—almost 100,000 per day—means that entries, at least popular entries, come under almost constant scrutiny.⁴⁶

But, as a fall 2005 controversy involving an entry on the journalist John Seigenthaler makes clear, *Wikipedia*'s controls and countermeasures are a work in progress, and vandalism in infrequently read entries can slip under the radar. In May 2005 Brian Chase altered the article on Seigenthaler to play a “joke” on a co-worker at Rush Delivery in Nashville, Tennessee, where Seigenthaler's late brother had been a client. The not very humorous change suggested that Seigenthaler, who once worked for Robert Kennedy, was thought “to have been directly involved in the Kennedy assassinations of both John, and his brother, Bobby.” In September, Seigenthaler learned about the scurrilous charges and complained to Jimmy Wales, who removed them from both the active page and the page history. But, as Seigenthaler wrote in *USA Today* in late November, “the false, malicious ‘biography’” had “appeared under [his] name for 132 days.” Moreover, sites that mirror

⁴⁴ For a report that some larger-scale studies found similar rates of repairs of vandalism, see Pink, “Book Stops Here.”

⁴⁵ <http://en.wikipedia.org/w/index.php?title=Syracuse%2C_New_York&diff=prev&oldid=5526247> (Dec. 27, 2005); Kathy Ischizuka, “The *Wikipedia* Wars: School Librarian Sparks Fight over Free Online Resource,” *School Library Journal*, 50 (Nov. 2004), 24; *Dispatches from the Frozen North*, blog, Sept. 4, 2004 <<http://www.frozensouth.org/C2011481421/E652809545/>>; Simon London, “Web of Words Challenges Traditional Encyclopedias,” *Financial Times*, July 28, 2004, p. 18. See also *The Now Economy*, blog, Sept. 8, 2004 <http://blog.commerce.net/archives/2004/09/decentralized_a.html/>. A systematic study found that one common form of vandalism (mass deletion) is typically repaired within two minutes; see Fernanda B. Viegas, Marvin Wattenberg, and Kushal Dave, “Studying Cooperation and Conflict between Authors with History Flow Visualizations,” IBM Watson Center Technical Report #: 04-19, 2004 <<http://domino.research.ibm.com/cambridge/research.nsf/a1d792857da52f638525630f004e7ab8/53240210b04ea0eb85256f7300567f7e?OpenDocument>>.

⁴⁶ One administrator observed, “Basically the transaction costs for healing *Wikipedia* are less than those to harm it, over a reasonable period of time. I am an admin and if I see vandalism to an article, it takes about ten total clicks to check that editor has vandalized other articles and made no positive contributions, block the IP address or username, and rollback all of the vandalism by that user. It takes more clicks if they edited a lot of articles quickly, but they had to spend much more time coming up with stupid crap to put in the articles, hitting edit, submit, etc. After being blocked, they have to be really persistent to keep coming back to vandalize. Some are, but luckily many more people are there to notice them and revert the vandalism. Its a beautiful thing.” Taxman 415a, comment on Sanger, “Early History of *Nupedia* and *Wikipedia*,” April 18, 2005 <<http://features slash dot org/comments.pl?sid=146479&threshold=1&commentsort=0&mode=thread&cid=12276095>> (March 21, 2006). For number of edits per month, see <<http://en.wikipedia.org/wikistats/EN/TablesDatabaseEdits.htm>> (Sept. 5, 2005).

Franklin D. Roosevelt
 From Wikipedia, the free encyclopedia
 Revision history

(Latest | Earliest) View (previous 50) (next 50) (20 | 50 | 100 | 250 | 500)

To view a previous version, click the date for that version.

Legend: (cur) = difference with current version, (last) = difference with preceding version, m = minor edit

Compare selected versions

- (cur) (last) 03:00, 28 March 2006 Fearfulsymmetry m (←Legacy)
- (cur) (last) 23:41, 27 March 2006 Fjensen (del POV)
- (cur) (last) 22:39, 27 March 2006 AdelaMae m (←Foreign policy, 1933-1941 - comma)
- (cur) (last) 20:00, 27 March 2006 24.228.140.104 (←Marriage and children)
- (cur) (last) 19:47, 27 March 2006 Gwemol (Revert to revision 45743664 using popups)
- (cur) (last) 19:47, 27 March 2006 86.210.243.158 (←Marriage and children)
- (cur) (last) 19:43, 27 March 2006 199.227.112.41 (←Private crisis)
- (cur) (last) 19:42, 27 March 2006 199.227.112.41 (←Private crisis)
- (cur) (last) 19:30, 27 March 2006 No Guru m (Reverted edits by 199.227.112.41 to last version by 166.82.242.28)
- (cur) (last) 19:00, 27 March 2006 199.227.112.41 (←Early life)
- (cur) (last) 18:30, 27 March 2006 166.82.242.28 (←Civil rights and refugees)
- (cur) (last) 08:57, 27 March 2006 Fjensen (ranks)
- (cur) (last) 06:50, 27 March 2006 Adam Carr (restore early life section - this is a biographical article and facts like where he was educated are what people expect to find in a biography)
- (cur) (last) 06:13, 27 March 2006 Fearfulsymmetry m (←Legacy)
- (cur) (last) 06:12, 27 March 2006 Fearfulsymmetry (←Legacy - added GVSU "greatest world impact" poll)
- (cur) (last) 05:45, 27 March 2006 Fjensen (←Governor of New York, 1929-1932 - Tammany)
- (cur) (last) 05:27, 27 March 2006 Rjll (←Governor of New York, 1929-1932)
- (cur) (last) 05:27, 27 March 2006 Rjll (←Governor of New York, 1929-1932 - he turned a \$15 million surplus into a \$90 million deficit)
- (cur) (last) 05:10, 27 March 2006 Modulatum m
- (cur) (last) 01:56, 27 March 2006 18.233.1.21 (←Election as President 1932 - minor grammar and spelling)
- (cur) (last) 01:53, 27 March 2006 Rjll m (←Election as President 1932 - typo)
- (cur) (last) 01:48, 27 March 2006 18.233.1.21 (Cleaned up (as per User:65.190.27.197))

A portion of the revision history page for Franklin D. Roosevelt: The software for *Wikipedia* exhaustively records every change made to an entry and allows a visitor to the site to see each version of the article back to its origin. <<http://en.wikipedia.org/w/index.php?title=Franklin D. Roosevelt&action=history>> (March 28, 2006).

Wikipedia's content such as *Answers.com* and *Reference.com* retained the falsehoods for another three weeks. The episode received wide notice, with many *Wikipedia* critics echoing Seigenthaler's charge that the online encyclopedia "is a flawed and irresponsible research tool" where "volunteer vandals with poison-pen intellects" abound.⁴⁷

Wikipedia's defenders complained, in the words of Paul Saffo, director of the Institute for the Future, that Seigenthaler "clearly doesn't understand the culture of *Wikipedia*." Saffo and others argued that Seigenthaler "should have just changed" the false statements. But Seigenthaler pointed out that the lies were online for several months before he even knew about them and that he did not want to have anything to do with the flawed enterprise. A more persuasive defense, offered by others, acknowledged the flaws, but pointed out the relative ease of correcting them. After all, malicious gossip has long surrounded public figures, but it is very hard to track down and stop. Even when it appears in print publications, which are subject (as *Wikipedia* is not) to libel laws, the only remedy is going to court. In the case of *Wikipedia*, the defamatory statements about Seigenthaler were entirely expunged. Professor Lawrence Lessig of the Stanford Law School argued that defamation is a by-product of free speech and that while "*Wikipedia* is not immune from that kind of maliciousness . . . it is, relative to other features of life, more easily corrected." As Wade Roush, an editor at *TechnologyReview.com* wrote in his blog, "the com-

⁴⁷ For *Wikipedia's* own summary and links to some of the key coverage, see <http://en.wikipedia.org/wiki/John_Seigenthaler_Sr._Wikipedia_biography_controversy> (Dec. 27, 2005). For the revised and corrected biography, see <http://en.wikipedia.org/wiki/John_Seigenthaler_Sr.> (Dec. 27, 2005). For Seigenthaler's original op-ed article, see John Seigenthaler, "A False *Wikipedia* 'Biography,'" *USA Today*, Nov. 29, 2005 <http://www.usatoday.com/news/opinion/editorials/2005-11-29-wikipedia-edit_x.htm>.

munity-editing model gives us a newfound power to create wrongs—but also to reverse wrongs.”⁴⁸

Still, the episode eroded *Wikipedia*'s credibility and led to efforts at damage control. Jimmy Wales announced that *Wikipedia* would now require users to register before creating new articles. Of course, that rule would not have stopped Brian Chase because registration will not be required simply to edit an existing entry. Moreover, registration may actually provide less accountability; you need not report even an e-mail address to register, whereas unregistered users have their Internet Protocol (IP) addresses recorded, and it was such an address that made it possible to track down Chase. And *Wikipedia* still lacks any mechanism for guaranteeing an entry's accuracy at the moment when you land on the site; a vandal or even a scholar trying to test the system might have just changed the “fact” that you are seeking. Wikipedians have discussed possible solutions to this problem. For example, visitors could have the option of viewing only a version of an article that had been “patrolled,” that is, checked for random vandalism, or users could have the choice of seeing an “approved” page or one “pending” approval from a certain number of editors.⁴⁹

Wikipedia already offers a limited version of that choice by allowing you to check the page's “history.” The wiki software allows you to compare every single version of an article going back to its creation. In a widely circulated critique of *Wikipedia*, the former *Encyclopedia Britannica* editor McHenry observed that “the user who visits *Wikipedia* . . . is rather in the position of a visitor to a public restroom. It may be obviously dirty, so that he knows to exercise great care, or it may seem fairly clean, so that he may be lulled into a false sense of security. What he certainly does not know is who has used the facilities before him.” McHenry is right about the “publicness” of *Wikipedia*, but why not choose a more uplifting analogy, like the public school or the public park? Moreover, he is wrong about not knowing what came before you. The “History” page tells you not only who used the facilities (at least their usernames or IP addresses) but also precisely what they did there. Indeed, simply taking information buried on the “History” page and making it more public would enhance *Wikipedia*—for example, the “Article” page might say, “This article has been edited 350 times since it was created on May 5, 2002, including 30 times in the past week.” It could even add that “very active Wikipedians” (those with more than one hundred edits this month) contributed 52 percent of those edits. Such information could be automatically generated, and it would give the reader additional clues to the quality of the entry. Another possible improvement would have readers rate the quality of individual *Wikipedia* entries, an approach used by a number of popular Internet sites, including *Amazon.com* (which enjoins visitors not just to review and rate books but also to answer the question “Was this review helpful to you?”) and *Slashdot* (which has a complex system of “moderation” that rates the quality of posted comments). During the Seigenthaler controversy, Wales announced that *Wikipedia* would be adding this feature soon.⁵⁰

⁴⁸ Janet Kornblum, “It's Online, but Is It True?,” *USA Today*, Dec. 6, 2005 <http://www.usatoday.com/tech/news/techpolicy/2005-12-06-wikipedia-truth_x.htm>; Lessig quoted in Katharine Q. Seelye, “Rewriting History; Snared in the Web of a *Wikipedia* Liar,” *New York Times*, Dec. 4, 2005, section 4, p. 1; Wade Roush, “*Wikipedia*: Teapot Tempest,” *TR Blogs*, Dec. 7, 2005 <http://www.technologyreview.com/Blogs/wtr_15974,292,p1.html>. Another recent change provides that some articles can be “semi-protected”—no one can make changes who has not been registered for at least four days. See <http://en.wikipedia.org/wiki/Wikipedia:Semi-protection_policy> (March 14, 2006).

⁴⁹ See comments on *Dispatches from the Frozen North*, blog, Sept. 4, 2004.

⁵⁰ McHenry, “Faith-Based Encyclopedia”; Seelye, “Rewriting History.”

As Roush, Lessig, and others argued amid the Seigenthaler uproar, *Wikipedia's* lack of fixity also has a more positive face—it can be updated instantly. Wikipedians like to point out that after the Indian Ocean tsunami of 2004 they added relevant entries within hours, including animations, geological information, reports on the international relief effort, and comprehensive links. Of course, the ability to capture the news of the day is of less interest to historians, but *Wikipedia* has also quickly captured the latest historical “news.” You had to wait until the morning of June 1, 2005, to learn from your local newspaper that W. Mark Felt had been unmasked as “Deep Throat,” but even before the evening news on May 31 you could have read about it in *Wikipedia's* article on the “Watergate scandal.” Like journalism, *Wikipedia* offers a first draft of history, but unlike journalism’s draft, that history is subject to continuous revision. *Wikipedia's* ease of revision not only makes it more up-to-date than a traditional encyclopedia, it also gives it (like the Web itself) a self-healing quality since defects that are criticized can be quickly remedied and alternative perspectives can be instantly added. McHenry’s critique, for example, focused on problems in the entry on Alexander Hamilton. Two days later, they were fixed.⁵¹

Why Should We Care? Implications for Historians

One reason professional historians need to pay attention to *Wikipedia* is because our students do. A student contributor to an online discussion about *Wikipedia* noted that he used the online encyclopedia to study the historical terms for a test on early romanticism in Britain. Other students routinely list it in term paper bibliographies. We should not view this prospect with undue alarm. *Wikipedia* for the most part gets its facts right. (The student of British culture reported that *Wikipedia* proved as accurate as the *Encyclopedia Britannica* and easier to use.) And the general panic about students’ use of Internet sources is overblown. You can find bad history in the library, and while much misinformation circulates on the Internet, it also helps to debunk myths and to correct misinformation.⁵²

Yet, the ubiquity and ease of use of *Wikipedia* still pose important challenges for history teachers. *Wikipedia* can act as a megaphone, amplifying the (sometimes incorrect) conventional wisdom. As *Wikinfo* (a fork, or spin-off, from *Wikipedia*) explains: “A wiki with so many hundreds of thousands of pages is bound to get some things wrong. The problem is, that because *Wikipedia* has become the ‘AOL’ [America Online] of the library and reference world, such false information and incorrect definitions of terms become multiple incompetences, propagated to millions of potential readers world-wide.” Not

⁵¹ Pink, “Book Stops Here”; <http://en.wikipedia.org/w/index.php?title=Watergate_scandal&action=history> (Sept. 5, 2005). W. Mark Felt’s name was inserted at 5:18 p.m. on May 31, 2005. Wynn Quon, “The New Know-It-All: Wikipedia Overturned the Knowledge Aggregation Model by Challenging Contributors to Constantly Improve Its Entries,” *Financial Post*, Feb. 26, 2005, accessed through Lexis-Nexis. When the *Wall Street Journal* noted that *Wikipedia* was reporting an out-of-date figure for the number of Korean War dead, it was fixed the same day. Carl Bialik, “A Korean War Star Lingers Long after It Was Corrected,” *Wall Street Journal*, June 23, 2005 <http://online.wsj.com/public/article/SB111937345541365397-C9Z_jEOnlmcAqPHtdvX4upR6r7A_20050723.html> (March 14, 2006); <http://en.wikipedia.org/w/index.php?title=Korean_War&diff=15663363&oldid=15663246> (Sept. 4, 2005).

⁵² For the student’s statement, see comments on Sanger, “Early History of *Nupedia* and *Wikipedia*,” April 18, 2005. On the quality of information on the Web, see Roy Rosenzweig, “Digital Archives Are a Gift of Wisdom to Be Used Wisely,” *Chronicle of Higher Education*, June 24, 2005 <<http://chnm.gmu.edu/resources/essays/essay.php?id=32>>; and Daniel J. Cohen and Roy Rosenzweig, “Web of Lies? Historical Knowledge on the Internet,” *First Monday*, 10 (Dec. 2005) <http://firstmonday.org/issues/issue10_12/cohen/index.html>.

only does *Wikipedia* propagate misinformation but so do those who appropriate its content, as they are entitled to do under the GFDL. As a result, as the blogger John Morse observed, “when you search Google for some obscure term that *Wikipedia* knows about, you might get two dozen results that all say the same thing—seemingly authoritative until you realize they all spread from a snapshot of Wiki—one that is now severed from the context of editability and might seem more creditable than it really is.” The Web site *Answers.com*, which promises to provide “quick, integrated reference answers,” relies heavily on *Wikipedia* for those answers. And Google, which already puts *Wikipedia* results high in its rankings, now sends people looking for “definitions” to *Answers.com*. Can you hear the sound of one hand clapping?⁵³

Wikipedia's ease of use and its tendency to show up at the top of Google rankings in turn reinforce students' propensity to latch on to the first source they encounter rather than to weigh multiple sources of information. Teachers have little more to fear from students' starting with *Wikipedia* than from their starting with most other basic reference sources. They have a lot to fear if students stop there. To state the obvious: *Wikipedia* is an encyclopedia, and encyclopedias have intrinsic limits. Most readers of this journal have not relied heavily on encyclopedias since junior high school days. And most readers of this journal do not want their students to rely heavily on encyclopedias—digital or print, free or subscription, professionally written or amateur and collaborative—for research papers. One *Wikipedia* contributor noted that despite her “deep appreciation for it,” she still “roll[s her] eyes whenever students submit papers with *Wikipedia* as a citation.” “Any encyclopedia, of any kind,” wrote another observer, “is a horrible place to get the whole story on any subject.” Encyclopedias “give you the topline”; they are “the *Reader's Digest* of deep knowledge.” Fifty years ago, the family encyclopedia provided this “rough and ready primer on some name or idea”; now that role is being played by the Internet and increasingly by *Wikipedia*.⁵⁴

But should we blame *Wikipedia* for the appetite for predigested and prepared information or the tendency to believe that anything you read is true? That problem existed back in the days of the family encyclopedia. And one key solution remains the same: Spend more time teaching about the limitations of all information sources, including *Wikipedia*, and emphasizing the skills of critical analysis of primary and secondary sources.

Another solution is to emulate the great democratic triumph of *Wikipedia*—its demonstration that people are eager for free and accessible information resources. If historians believe that what is available free on the Web is low quality, then we have a responsibility to make better information sources available online. Why are so many of our scholarly journals locked away behind subscription gates? What about *American National Biography Online*—written by professional historians, sponsored by our scholarly societies, and supported by millions of dollars in foundation and government grants? Why is it available

⁵³ “Critical views of *Wikipedia*,” *Wikinfo* (a fork of *Wikipedia*) <http://www.wikinfo.org/wiki.php?title=Critical_views_of_Wikipedia> (July 23, 2005); John Morse comment on Clay Shirkey blog entry, “K5 Article on *Wikipedia* Anti-elitism,” in *Many 2 Many*, Jan. 5, 2005 <http://www.corante.com/many/archives/2005/01/03/k5_article_on_Wikipedia_antielitism.php>. See also John Morse, *Dystopia Box*, blog <<http://dystopiabox.blogspot.com/>>; <http://www.answers.com/main/ir/about_company.jsp>.

⁵⁴ Liz Lawley, *Many 2 Many*, Jan. 4, 2005 <http://www.corante.com/many/archives/2005/01/04/academia_and_wikipedia.php>; Patrick McLean comment on Shirkey blog, Jan. 4, 2004 <http://www.corante.com/many/archives/2005/01/03/k5_article_on_Wikipedia_antielitism.php>; Oedipa comment on Lawley, Jan. 5, 2005. See also Ischizuka, “*Wikipedia Wars*.”

only to libraries that often pay thousands of dollars per year rather than to everyone on the Web as *Wikipedia* is? Shouldn't professional historians join in the massive democratization of access to knowledge reflected by *Wikipedia* and the Web in general?⁵⁵ *American National Biography Online* may be a significantly better historical resource than *Wikipedia*, but its impact is much smaller because it is available to so few people.

The limited audience for subscription-based historical resources such as *American National Biography Online* becomes an even larger issue when we move outside the borders of the United States and especially into poorer parts of the world, where such subscription fees pose major problems even for libraries. Moreover, in some of those places, where censorship of textbooks and other historical resources is common, the fact that *Wikipedia's* freedom means both "free beer" and "free speech" has profound implications because it allows the circulation of alternative historical voices and narratives. Some repressive governments have responded by restricting access to *Wikipedia*. China, for example, currently prevents its citizens from reading the English- or Chinese-language versions of *Wikipedia*. And it is probably not a coincidence that the first blocking of *Wikipedia* in China began on the fifteenth anniversary of the Tiananmen Square protests.⁵⁶

Professional historians have things to learn not only from the open and democratic distribution model of *Wikipedia* but also from its open and democratic production model. Although *Wikipedia* as a *product* is problematic as a sole source of information, the *process* of creating *Wikipedia* fosters an appreciation of the very skills that historians try to teach. Despite *Wikipedia's* unconventionality in the production and distribution of knowledge, its epistemological approach—exemplified by the NPOV policy—is highly conventional, even old-fashioned. The guidelines and advice documents that *Wikipedia* offers its editors sound very much like the standard manuals offered in undergraduate history methods classes. Editors are enjoined, for example, to "cite the source" and to check their facts and reminded that "verifiability" is an "official policy" of *Wikipedia*. An article directed at those writing articles about history for *Wikipedia* explains (in the manner of a History 101 instructor) the difference between primary and secondary sources and also suggests helpfully that "the correct standard of material to generate encyclopedic entries about historical subjects are: 1. Peer reviewed journal articles from a journal of history; 2. Monographs written by historians (BA Hons (Hist), MA, PhD); 3. Primary sources."⁵⁷

Participants in the editing process also often learn a more complex lesson about history writing—namely that the "facts" of the past and the way those facts are arranged and reported are often highly contested. One *Wikipedia* guideline document reports with an air of discovery: "Although it doesn't seem to be logical to worry about a *Wikipedia* article, people do battle over history and the way it is written all the time." And such skirmishes

⁵⁵ *American National Biography Online* does offer individual subscriptions for \$89 per year; prices for institutions range from \$495 to \$14,000 per year depending on size. On open access to scholarship, see John Willinsky, *The Access Principle: The Case for Open Access to Research and Scholarship* (Cambridge, Mass., 2005); and Roy Rosenzweig, "Should Historical Scholarship Be Free?," *AHA Perspectives*, 43 (April 2005) <<http://chnm.gmu.edu/resources/essays/essay.php?id=2>>.

⁵⁶ <http://en.wikipedia.org/wiki/Blocking_of_Wikipedia_in_mainland_China> (March 17, 2006). Although the Chinese have a highly sophisticated Internet filtering system, it is far from impermeable. An underground economy of proxy servers, a range of circumvention technologies, and anonymous Internet communication networks provide significant challenges to what has become known as the "great firewall of China."

⁵⁷ <<http://en.wikipedia.org/wiki/Verifiability>> (July 26, 2005); <http://en.wikipedia.org/wiki/Wikipedia:Wiki_Project_History> (July 31, 2005).

Talk:John Brown (abolitionist)
From Wikipedia, the free encyclopedia

Contents [hide]

- 1 probable vandalism
- 2 Rephrasing of Killing v. Murder
- 3 Replaced "massacre/murder" again.
- 4 John Brown
- 5 What the person said before me
- 6 Need a reversion
- 7 abolitionists to view John Brown as unjust
- 8 Controversy
- 9 truth, and other casualties of the culture war
- 10 Neutrality of this article?
- 11 Help !!!
- 12 Contact with the Mormons

probable vandalism [edit]

reference the photo of John Brown, 1858. below with <http://www.kshs.org/places/johnbrown/history.htm#>. It looks like the picture here has been altered. I've seen others on wikipedia where the same sploches have been added to other historical figures. I don't know how to go about changing it though...

Rephrasing of Killing v. Murder [edit]

"On May 24, 1858, in retribution for a pro-slavery attack on the town of Lawrence, Brown led a party that murdered five proslavery settlers in Pottawatomie Creek. Brown later said that he had not participated in the killings but that he did approve of them."

"Murder." Did the five own slaves, or do something else that Brown considered to be a capital crime? Just what was the situation?

Changed word from "murder" to the less emotional word of "killed" as murder, by it's definition, implies wrongful death. --Duemellon 14:45, 27 Aug 2004 (UTC)

Thanks. FET 05:42, 15 Sep 2004 (UTC)

unless there is a declared war.... if you drag someone out of their house in the middle of the night in front of their wives and children, and then kill them unarmed, and hack their heads to pieces, thats called murder.

they did not own slaves. they were pro slavery and belonged to a political party. look it up folks.

Was John Brown a murderer? On this portion of the discussion page for the article on John Brown, Wikipedians debate whether to use "killed" or "murdered" to refer to his actions and which word accords with the encyclopedia's neutral-point-of-view policy. For *Wikipedia's* thousands of contributors, such discussions are a form of popular historiographic debate. <[http://en.wikipedia.org/wiki/Talk:John_Brown_\(abolitionist\)/](http://en.wikipedia.org/wiki/Talk:John_Brown_(abolitionist)/)> (March 8, 2006).

break out all over *Wikipedia*. Each article contains a companion "Discussion" page, and on those pages, editors engage—often intensely—in what can only be called historiographic debate. Was Woodrow Wilson a racist? Did the New Deal resolve the problems of the Great Depression? Sometimes relatively narrow issues are debated (for example, William Jennings Bryan's role in the passage of the Butler Act, which prohibited the teaching of evolution in Tennessee) that open up much broader issues (for example, the sources of antievolution sentiment in the 1920s).⁵⁸

Wikipedia has even developed its own form of peer review in its debates on whether articles deserve "featured article" status. Those aspiring to have their articles receive that status—given to the best .1 percent of articles as judged by such criteria as completeness, factual accuracy, and good writing—are encouraged to request "peer review" in order to "expose articles to closer scrutiny than they might otherwise receive."⁵⁹ Then further public debate decides whether Wikipedians agree on awarding featured article status.

Thus, those who create *Wikipedia's* articles and debate their contents are involved in an astonishingly intense and widespread process of democratic self-education. *Wikipedia*, observes one *Wikipedia* activist, "teaches both contributors and the readers. By empowering contributors to inform others, it gives them incentive to learn how to do so effectively, and how to write well and neutrally." The classicist James O'Donnell has argued that the benefit of *Wikipedia* may be greater for its active participants than for its readers: "A com-

⁵⁸ <http://en.wikipedia.org/wiki/Wikipedia:Abundance_and_redundancy> (Aug. 30, 2005); <http://en.wikipedia.org/wiki/Talk:Scopes_Trial> (Sept. 6, 2005).

⁵⁹ <http://en.wikipedia.org/wiki/Wikipedia:What_is_a_featured_article> (Sept. 1, 2005); <http://en.wikipedia.org/wiki/Wikipedia:Peer_review> (Sept. 1, 2005).

munity that finds a way to talk in this way is creating education and online discourse at a higher level.”⁶⁰

My colleagues at the Center for History and New Media interviewed people who regularly contribute to history articles on *Wikipedia*, and a passion for self-education comes through in numerous interviews. A Canadian contributor, James Willys Rosenzweig (no relation), observed that his “involvement in *Wikipedia* [is] a natural fit” because “I am interested in a broad variety of subjects, and I read for pleasure in as many fields as I can.” APWoolrich, a British contributor who left school at age sixteen and became an ardent self-taught industrial archeologist, answered the question “Why do I enjoy it?” with “It beats TV any day, in my view!”⁶¹

But APWoolrich is as enthusiastic about contributing to the education of others as to his own. *Wikipedia*, he told us, “accords with my personal philosophy of sharing knowledge, and it links me with the rest of humanity.” He believes we have a “duty” to share knowledge “without thought of reward.” “*Wikipedia* is the ‘Invisible College’ concept revived for the 21st century.” A blind high school student had a different reference point. “It is almost like playing a computer game but it is actually useful because it helps someone anywhere in the world get information that is uncluttered by junk,” he told us. “I think of myself as a teacher,” said Einar Kvaran, an uncredentialed “art historian without portfolio,” who spends about six hours a day writing articles about American art and sculpture. Like bloggers and amateur Web site developers, contributors to *Wikipedia* enjoy the opportunity to make their work public and to contribute to building the public space of the Web.⁶²

Should those who write history for a living join such popular history makers in writing history in *Wikipedia*? My own tentative answer is yes.⁶³ If *Wikipedia* is becoming the family encyclopedia for the twenty-first century, historians probably have a professional obligation to make it as good as possible. And if every member of the Organization of American Historians devoted just one day to improving the entries in her or his areas of expertise, it would not only significantly raise the quality of *Wikipedia*, it would also enhance popular historical literacy. Historians could similarly play a role by participating in the populist peer review process that certifies contributions as featured articles.

Still, my view is tempered by the recognition that the encounter between professional historians and amateur Wikipedians is likely to be rocky at times. That seems to have been particularly true in the early days of *Wikipedia*. Larry Sanger reported that some of earliest contributors were “academics and other highly-qualified people”—including two historians with Ph.D.s—who “were slowly worn down and driven away by having to deal with difficult people on the project.” “I feel that my integrity has been questioned,” the

⁶⁰ SJ e-mail interview by Fragaszy, June 22, 2005 (Center for History and New Media); Peter Myers, “Fact-Driven? Collegial? This Site Wants You,” *New York Times*, Sept. 20, 2001, p. G2.

⁶¹ James W. Rosenzweig e-mail interview by Fragaszy, May 27, 2005 (Center for History and New Media); APWoolrich (*Wikipedia* username) e-mail interview by Fragaszy, May 27, 2005, *ibid.*

⁶² APWoolrich interview; Academic Challenger (*Wikipedia* username) e-mail interview by Fragaszy, May 6–26, 2005 (Center for History and New Media); Pink, “Book Stops Here.”

⁶³ I have, however, decided to refrain from editing *Wikipedia* entries until after I publish this article. Some of the hesitancy about participating in *Wikipedia* that professional historians have shown is captured in Richard Jensen’s comment: “Ok, I confess, I write for *Wikipedia*.” Although (as a reading of H-Net discussion lists makes clear) many professional historians remain skeptical about *Wikipedia*, there has been growing interest, and a growing number have begun to participate directly since mid-2005. Richard Jensen, “*Wikipedia* and the GAPE,” online posting, H-SHGAPE, Dec. 9, 2005 <<http://www.h-net.org/~shgape/>>.

historian J. Hoffmann Kemp wrote in signing off in August 2002. “I’m too tired to play anymore.”⁶⁴

Even Jimmy Wales, who has been more tolerant of “difficult people” than Sanger, complained about “an unfortunate tendency of disrespect for history as a professional discipline.” He saw the tendency reflected in historical entries that synthesize “work in a non-standard way” and “produce novel narratives and historical interpretations with citation to primary sources to back up their interpretation of events.” He noted that “some who completely understand why *Wikipedia* ought not create novel theories of physics by citing the results of experiments and so on and synthesizing them into something new, may fail to see how the same thing applies to history.”⁶⁵

But the flip side of Wales’s respect for the historical discipline, as expressed in the ban on original research (and original interpretations), is that it seemingly limits professional historians’ role in *Wikipedia*. The “no original research policy” means that you cannot offer a startling new interpretation of Warren Harding based on newly uncovered sources. As a result, while *Wikipedia* officially “welcomes experts and academics,” it also warns that “such experts do not occupy a privileged position within *Wikipedia*. They should refer to themselves and their publications in the third person and write from a neutral point of view (NPOV). They must also cite publications, and may not use their unpublished knowledge as a source of information (which would be impossible to verify).”⁶⁶

Even a comparison that focuses on the ban on original research understates the differences between professionals and amateurs. For one thing, historical expertise does not reside primarily in the possession of some set of obscure facts. It relies more often on a deep acquaintance with a wide variety of already published narratives and an ability to synthesize those narratives (and facts) coherently. It is considerably easier to craft a policy about “verifiability” or even “neutrality” than about “historical significance.” Professional historians might find an account accurate and fair but trivial; that is what some see as the difference between history and antiquarianism. Thus, the conflict between professionals and amateurs is not necessarily a simple one over whether people are doing good or bad history but a more complex (and more interesting) conflict about what kind of history is being done. Comparing the free *Wikipedia* and the costly and expensively produced *American National Biography Online* erects professional historical scholarship as a trans-historical and transcultural standard of history writing when we know that there are many ways of writing and talking about the past. What is particularly interesting and revealing about *Wikipedia* is its reflection of what we could call a “popular history poetics” that follows different rules from conventional professional scholarship.⁶⁷

One noticeable difference is the affection for surprising, amusing, or curious details—something that *Wikipedia* shares with other forms of popular historical writing such as

⁶⁴ Sanger, “Early History of *Nupedia* and *Wikipedia*”; <<http://en.wikipedia.org/wiki/User:JHK>> (Sept. 1, 2005). Some scientists who have edited *Wikipedia* entries on controversial subjects such as global warming have become involved in major battles. See Giles, “Internet Encyclopedias Go Head to Head.”

⁶⁵ Wales quoted in <http://en.wikipedia.org/wiki/No_original_research> (July 5, 2005).

⁶⁶ *Ibid.* The ban on “original research” is in some tension with the suggestion that “primary sources” be used in history articles. Presumably, Wikipedians would support using primary sources to verify a particular fact but not to construct a new interpretation. Hence, you might use a primary source to verify that Franklin D. Roosevelt said “a date which will live in infamy,” rather than “a date that will live in infamy,” but not to decide whether he knew in advance about the attack on Pearl Harbor.

⁶⁷ I borrow the idea of a “poetics” of history from Greg Denning, *History’s Anthropology: The Death of William Gooch* (Lanham, 1988), 2.

articles in *American Heritage* magazine. Consider some details that Wikipedians include in their Lincoln biography that do not make their way into McPherson's profile: Lincoln's sharing a birthday with Charles Darwin; his nicknames (the Rail Splitter is mentioned twice); his edict making Thanksgiving a national holiday; and the end of his bloodline with the death of Robert Beckwith in 1985. Not surprisingly, *Wikipedia* devotes five times as much space to Lincoln's assassination as the longer *American National Biography Online* profile does.⁶⁸ The same predilection for colorful details marks other portraits. We learn from the Harding biography that the socialist Norman Thomas was a paper boy for the *Marion Daily Star* (which Harding owned), that Harding reached the sublime degree as a Master Mason, and that Al Jolson and Mary Pickford came to Marion, Ohio, during the 1920 campaign for photo ops. It devotes two paragraphs to speculation about whether Harding had "Negro blood" and five paragraphs to his extramarital affairs. Meanwhile, key topics—domestic and foreign policies, the Sheppard-Towner Maternity and Infancy Act of 1921, immigration restriction, and naval treaties—are ignored or hurried over. We similarly learn that Woodrow Wilson belonged to Phi Kappa Psi fraternity and wrote his initials on the underside of a table in the Johns Hopkins University history department, but not about his law practice or his intellectual development at Princeton University.⁶⁹

Wikipedia's view of history is not only more anecdotal and colorful than professional history, it is also—again like much popular history—more factualist. That is reflected in the incessant arguing about NPOV, but it can also be seen in the obsession with list making. The profile of FDR leads you not just to a roll of all presidents but also to a list of every secretary of the interior, every chairman of the Democratic National Committee, every key event that happened on April 12 (when Roosevelt died), and every major birth in 1882 (when he was born). From the perspective of professional historians, the problem of Wikipedian history is not that it disregards the facts but that it elevates them above everything else and spends too much time and energy (in the manner of many collectors) on organizing those facts into categories and lists.

Finally, Wikipedian history is presentist in a slightly different way from that of professional history—where, for example, a conservative turn in the polity leads us to reevaluate conservatism in the past. Rather, *Wikipedia* entries often focus on topics that have ignited recent public, not just professional, controversy. The topic of Lincoln's sexuality—not mentioned by McPherson—occupied so much of the *Wikipedia* biography that in December 2004 a separate 1,160-word entry was created that focuses on C. A. Tripp's controversial, then-recent book *The Intimate World of Abraham Lincoln*. The entry on the Spanish-American War examines in considerable detail whether the *Maine* was sunk by a mine (a subject in the news as the result of a 1998 *National Geographic* study) but pays no attention to the important (to professional historians) arguments of Kristin L. Hoganson's book of the same year that "gender politics" provoked the war.⁷⁰

⁶⁸ Roy Rosenzweig, "Marketing the Past: *American Heritage* and Popular History in the United States, 1954–1984," in *Presenting the Past*, ed. Susan Porter Benson, Stephen Brier, and Roy Rosenzweig (Philadelphia, 1986); <http://en.wikipedia.org/wiki/Abraham_Lincoln> (Oct. 23, 2005); McPherson, "Lincoln, Abraham."

⁶⁹ <http://en.wikipedia.org/wiki/Warren_G._Harding> (July 4, 2005); <http://en.wikipedia.org/wiki/Woodrow_Wilson> (July 5, 2005).

⁷⁰ <http://en.wikipedia.org/wiki/The_Intimate_World_of_Abraham_Lincoln> (Aug. 28, 2005); C. A. Tripp, *The Intimate World of Abraham Lincoln* (New York, 2005); <http://en.wikipedia.org/wiki/Spanish-American_War> (April 12, 2005); <<http://www.s-t.com/daily/02-98/02-15-98/a02wn012.htm>>; Kristin L. Hoganson, *Fighting for American Manhood: How Gender Politics Provoked the Spanish-American and Philippine-American Wars* (New Haven, 1998).

That the latest article in *National Geographic* rather than the latest book from Yale University Press shapes *Wikipedia* entries reflects the fact that *Wikipedia* historians operate in a different world than historians employed in universities. Although *Wikipedia* enjoins its authors to “cite the source,” that policy is honored mainly in the breach—unlike in academic historical journals, where authors and editors obsess over proper and full citation. Moreover, the bibliographies offered after *Wikipedia* entries are often incomplete or out-of-date—a cardinal sin in professional history. Yet Wikipedians are mindful of a wider community of “historians.” It is just that for them the most important community is authors of other *Wikipedia* entries. And every article includes literally dozens of cross-references (links) to other *Wikipedia* articles.

An account of Lincoln’s life that focuses on debates about his sexuality and dwells on his birth date, nicknames, and assassination is not “wrong,” but it is not the kind of brief account that a professional historian such as McPherson would write. Professional historians who enter the terrain of *Wikipedia* will have an easy time correcting the year when the Supreme Court invalidated the NIRA but a much harder time eliminating Lincoln’s nicknames. Wikipedians would agree with professional historians that the Supreme Court decision happened on a particular day, but they might not agree that Lincoln’s nicknames are “unimportant” or “uninteresting.” And such historians will have to decide how much of their disciplinary “authority” they are prepared to “share” in this new public space.⁷¹

Although making people we generally view as our audience into our collaborators may prove unsettling, it will also be instructive. One history doctoral student at an Ivy League institution who has contributed actively to *Wikipedia* explained that “I use it primarily to practice writing for a non-academic audience, and as a way to solidify my understanding of topics (nothing helps one remember things like rewriting it).” He added, “I regard my *Wikipedia* contributions as informal and relatively anonymous, and use a much more casual demeanor than one would use in a professional setting (that is, I often tell people they don’t know what they’re talking about).”⁷² If *Wikipedia* teaches us (and our students) to speak more clearly to the public and to say more clearly what is on our minds, it will have a positive impact on academic culture.

But a much broader question about academic culture is whether the methods and approaches that have proven so successful in *Wikipedia* can also affect how scholarly work is produced, shared, and debated. *Wikipedia* embodies an optimistic view of community and collaboration that already informs the best of the academic enterprise. The sociologist Robert K. Merton talked about “the communism of the scientific ethos,” and communal sharing is an ideal that some historians hold and that many of our practices reflect, even while alternative, more individualistic and competitive, modes also thrive.⁷³

Can the wiki way foster the collaborative creation of historical knowledge? One promising approach would leverage the volunteer labor of amateurs and enthusiasts to advance historical understanding. Historians have, of course, benefited from the labors of amateurs and volunteers. Think of the generations of local historians who have collected, preserved, and organized historical documents subsequently mined by professional histo-

⁷¹ On “shared authority,” see Michael Frisch, *A Shared Authority: Essays on the Craft and Meaning of Oral and Public History* (Albany, 1990).

⁷² Anonymous e-mail interview by Fragaszy, June 3, 2005 (Center for History and New Media).

⁷³ Robert K. Merton, “The Normative Structure of Science,” 1942, in *The Sociology of Science: Theoretical and Empirical Investigations*, by Robert K. Merton (Chicago, 1973), 275.

rians. But the new technology of the Internet opens up the possibility of much more massive efforts relying on what the legal scholar Yochai Benkler has called “commons-based peer production.” The “central characteristic” of such production, wrote Benkler, “is that groups of individuals successfully collaborate on large-scale projects following a diverse cluster of motivational drives and social signals, rather than either market prices or managerial commands.” “Ubiquitous computer communications networks,” he argued, have brought about “a dramatic change in the scope, scale, and efficacy of peer production.”⁷⁴ The most prominent recent example of such non-market-based peer production is free and open-source software. The Internet would now grind to a halt without such free and open-source resources as the operating system Linux, the Web server software Apache, the database MySQL, and the programming language PHP.

Yet, as Benkler showed, the peer production of information is much broader than free software, and he offers *Wikipedia* as one notable example. Another—and one perhaps more relevant to professional historians—is the National Aeronautics and Space Administration’s (NASA) Ames Clickworkers project, which encouraged volunteers to “mark craters on maps of Mars, classify craters that have already been marked, or search the landscape of Mars for ‘honeycomb’ terrain.” In six months, more than 85,000 people visited the site and made almost 2 million entries. An analysis of the markings found that “the automatically-computed consensus of a large number of clickworkers is virtually indistinguishable from the inputs of a geologist with years of experience in identifying Mars craters.”⁷⁵

Probably the closest historical equivalent to the NASA clickworkers are the legions of volunteer genealogists who have been digitizing thousands of documents. For example, volunteers working for the Church of Jesus Christ of Latter-day Saints digitized the records of the 55 million people listed in the 1880 United States census and the 1881 Canadian census and made them available for free at the church’s *FamilySearch Internet Genealogy Service*. Another volunteer effort, Project Gutenberg, has created an online repository of 15,000 e-texts of public domain books. Optical character recognition (OCR) software can relatively cheaply and automatically digitize print works, but it is generally only 95–99 percent accurate. To get a fully clean text is more expensive. Enter “distributed proofreaders”—a collaborative Web-based method of proofreading that breaks a work into individual pages to allow multiple proofreaders to work on the same book simultaneously. About half of the Project Gutenberg books have come out of this commons-based peer production.⁷⁶

What if we organized a similar “distributed transcribers” to work on handwritten historical documents that otherwise will never be digitized? Volunteers could take their turns transcribing page images of the widely used Cameron Family Papers at the Southern Historical Collection that would be presented to them online. The same automated checking

⁷⁴ Yochai Benkler, “Coase’s Penguin; or, Linux and the Nature of the Firm,” *Yale Law Journal*, 112 (Dec., 2002) <<http://www.benkler.org/CoasesPenguin.html>>.

⁷⁵ *Clickworkers Results: Crater Marking Activity* <clickworkers.arc.nasa.gov/documents/crater-marking.pdf>.

⁷⁶ “Facts and Statistics,” *FamilySearch Internet Genealogy Service*, July 1, 2003 <http://www.familysearch.org/Eng/Home/News/frameset_news.asp?PAGE=home_facts.asp>; “Free Internet Access to Invaluable Indexes of American and Canadian Heritage,” *The Church of Jesus Christ of Latter-day Saints*, Oct. 23, 2002 <<http://www.lds.org/newsroom/showrelease/0,15503,3881-1-13102,00.html>>; <<http://www.familysearch.org/>>; Benkler, “Coase’s Penguin.” On costs of digitizing, see Daniel J. Cohen and Roy Rosenzweig, *Digital History: A Guide to Gathering, Preserving, and Presenting the Past on the Web* (Philadelphia, 2005), 93 <<http://chnm.gmu.edu/digitalhistory/digitizing/4.php>>.

process used by Ames Clickworkers or among distributed proofreaders could be applied. A similar approach could be taken to transcribing the massive quantities of recorded sound—the Lyndon B. Johnson tapes, for example—that are enormously expensive to transcribe and cannot be rendered into text with current automated methods. Max J. Evans, the head of the National Historical Publications and Records Commission, has recently proposed something similar. He called for a corps of “volunteer data extractors” who would index and describe archival collections that are currently only minimally processed. Such an approach, he argues, would take “advantage of organized, or self-selected and anonymous users who can work at home and in remote locations.”⁷⁷

The barriers to success in such a project are more social than technological. Devising the systems to present the page images or tapes online is not so difficult. It is harder to create the interest to involve volunteers in such a project. But who would have thought that 85,000 people would volunteer to look for Mars craters or that 60,000 people would write and edit entries for *Wikipedia*? Of course, denizens of the Internet are likely to be more excited about searching through Mars craters than through nineteenth-century women’s diaries. Still, such projects have shown the ability, as Benkler wrote, to “capitalize on an enormous pool of underutilized intelligent human creativity and willingness to engage in intellectual effort.”⁷⁸

If the Internet and the notion of commons-based peer production provide intriguing opportunities for mobilizing volunteer historical enthusiasm to produce a massive digital archive, what about mobilizing and coordinating the work of professional historians in that fashion? That so much professional historical work already relies on volunteer labor—the peer review of journal articles, the staffing of conference program committees—suggests that professionals are willing to give up significant amounts of their time to advance the historical enterprise. But are they also willing to take the further step of abandoning individual credit and individual ownership of intellectual property as do *Wikipedia* authors?

Could we, for example, write a collaborative U.S. history textbook that would be free to all our students? After all, there is massive overlap in content and interpretation among the more than two dozen college survey textbooks. Yet the commercial publishing system mandates that every new survey text start from scratch. An open-source textbook would not only be free to everyone to read, it would also be free to everyone to write. An instructor dissatisfied with the textbook’s version of the War of 1812 could simply rewrite those pages and offer them to others to incorporate. An instructor who felt that the book neglected the story of New Mexico in the nineteenth century could write a few paragraphs that others might decide to incorporate.

This model imagines something open and anarchistic in the style of *Wikipedia*. Textbooks (not to mention scholarly articles) pose deeper problems of mediating conflicting interpretation than are faced by *Wikipedia* with its factualist emphasis. But commons-based peer production need not be so unstructured. After all, not everyone can rewrite the Linux kernel core. Everyone can contribute ideas and codes, but a central commit-

⁷⁷ <http://www.lexisnexis.com/academic/guides/southern_hist/plantations/plantj1.asp>; Max J. Evans, “The Invisible Hand and the Accidental Archives,” paper presented at “Choices and Challenges Symposium,” Henry Ford Museum, Oct. 8, 2004 <www.thehenryford.org/research/publications/symposium2004/papers/evans.pdf> (March 15, 2006).

⁷⁸ More than 55,000 people have made at least ten edits. <<http://en.wikipedia.org/wikistats/EN/Tables/WikipediansContributors.htm>> (Sept. 11, 2005). Benkler, “Coase’s Penguin.”

tee decides what is incorporated in an official release. Similarly, *PlanetMath*, a free online collaborative math encyclopedia, uses an “owner-centric” authority model in contrast to *Wikipedia*’s “free form” approach. As one of the founders, Aaron Krowne, has explained, “there is an owner of each entry—initially the entry’s creator. Other users may suggest changes to each entry, but only the owner can apply these changes. If the owner comes to trust individual users enough, he or she can grant these specific users ‘edit’ access to the entry.” This has the potential disadvantage of discouraging open participation and requiring more commitment from some participants, but it gives a much stronger place to expertise by assuming that the “owner is the de facto expert in the topic at hand, above all others, and all others must defer.”⁷⁹

Even so, the difficulties in implementing such a model for professional scholarship are obvious. How would you deal with the interpretative disputes that are at the heart of scholarly historical writing? How would we allocate credit, which is so integral to professional culture? Could you get a promotion based on having “contributed to” a collaborative project? There are no easy solutions. But it is worth noting that contributors to open-source software projects are not motivated simply by altruism. Their reputations—and hence their attractiveness as employees—are often greatly enhanced by participation in such projects. And we do reward people for collaborative professional work such as service on an editorial board. Nor are collaborative projects as free and frictionless as their greatest enthusiasts like to maintain. There are significant organizational costs—what the economists call “transaction costs”—to creating and maintaining such projects. Someone has to pay for the servers and the bandwidth and install and update the software. *Wikipedia* would have never gotten off the ground without the support of Wales and Bomis. More recently, it has launched fund-raising campaigns to cover its substantial and growing expenses.

Still, *Wikipedia* and Linux show that there are alternative models to producing encyclopedias and software than the hierarchical, commercial model represented by Bill Gates and Microsoft. And whether or not historians consider alternative models for producing their own work, they should pay closer attention to their erstwhile competitors at *Wikipedia* than Microsoft devoted to worrying about an obscure free and open-source operating system called Linux.

⁷⁹ Aaron Krowne, “The FUD-Based Encyclopedia,” *Free Software Magazine*, March 2005 <http://www.freesoftwaremagazine.com/free_issues/issue_02/fud_based_encyclopedia/>. There is also danger that the entry owner may not be the person with the greatest expertise or best judgment. The PlanetMath FAQ acknowledges that “currently there is no real recourse for someone who, say, writes poor entries and refuses all corrections, out of spite. In the future this will be handled by a ratings system, and filtering/sorting based on rating.” But it also notes that “we have had no problem along these lines as of yet.” <<http://planetmath.org/?method=12h&from=collab&id=35&op=getobj>> (March 30, 2006). For more on Krowne’s approach, see Aaron Krowne, “Building a Digital Library the Commons-Based Peer Production Way,” *D-Lib Magazine*, 9 (Oct. 2003) <<http://www.dlib.org/dlib/october03/krowne/10krowne.html>> (March 21, 2006).