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### The Framing of Political NGOs in Wikipedia through Criticism Elimination

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## The Framing of Political NGOs in Wikipedia through Criticism Elimination

Andre Oboler  
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**ABSTRACT.** This article introduces criticism elimination, a type of information removal leading to a framing effect that impairs Wikipedia's delivery of a neutral point of view (NPOV) and ultimately facilitates a new form of gatekeeping with political science and information technology implications. This article demonstrates a systematic use of criticism elimination and categorizes the editors responsible into four types. We show that some types use criticism elimination to dominate and manipulate articles to advocate political and ideological agendas. We suggest mitigation approaches to criticism elimination. The research is interdisciplinary and based on empirical analysis of the public edit histories.

**KEYWORDS.** Collaborative content, framing effect, public diplomacy, Wikipedia

Wikipedia is the most popular information reference site on the Internet (Tancer, 2007), advertising itself as “the free encyclopedia that anyone can edit” (Wikipedia, 2008a). Through digital mass participation by “Wikipedians” (also known as “editors” or “users”), Wikipedia aims to prevent bias and provide a neutral point of view (NPOV) (Ayers, 2006). Wikipedia's approach has, however, raised concerns (Lichtenstein, 2008) that are traditionally

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reserved for the mass media. For instance, the media has long acted as a gatekeeper, selecting and framing issues in what was perceived to be the public interest (Williams & Delli Carpini, 2004). The management of public discourse through framing raises significant political implications and bias from framing effects and has been researched in multiple disciplines (Goffman, 1974; Hall, 1973; Kahneman & Tversky, 1979; Snow, Rochford, Worden, & Benford, 1986).

In this article, we discuss Wikipedia's approach to reducing bias, and introduce *criticism elimination*, an approach that creates a framing effect through information removal.<sup>1</sup> This approach targets a vulnerability in Wikipedia's decentralized editing process, which, when used systematically, can ultimately lead to gatekeeping (Lewin, 1947) that conflicts with Wikipedia policy. We demonstrate criticism elimination through an empirical analysis of Wikipedia change logs across 16 similar articles. We categorize those using this approach into four types of users and show that some act as gatekeepers.

The presence of politically motivated framing (rather than the expected NPOV), as well as gatekeepers, sanctioned or de facto, has serious implications for the understanding of content production in Wikipedia. Taking into account the different types of users, we suggest approaches to mitigate or prevent inappropriate framing through criticism elimination. Our methodology and analysis can serve as a basis for further work to extend the academic theory on Wikipedia and its socio-political-ethical aspects. Further research on Wikipedia is needed by both political scientists and social media theorists.

### **WIKIPEDIA AND DIGITAL DEMOCRACY**

Wikipedia is a hypertext-based, electronic encyclopedia that blurs the roles of author and reader. This concept was first raised by Smith in 1989, 12 years before Wikipedia launched. Authored collectively by the public, Wikipedia is the most popular educational reference site on the Internet, receiving 24.3 percent of visits

in this category of over 3,000 sites (Tancer, 2007). It is characterized by high accessibility, a large contributor community, and an even larger readership. The English Wikipedia contained 2,172,925 articles as of January 18, 2008 (Wikipedia, 2008d), and had 158,065 contributors, 42,351 of whom make more than five edits per month (Wikimedia, 2008). It is the seventh most popular Internet site (Alexa Internet, Inc., 2008), and the site most people go to from the results of a Google search (Tancer, 2007).

Wikipedia has been praised as a significant advance in knowledge management (Benkler, 2006; Greenstein, 2007; Olleros, 2008; Zittrain, 2008). Forte and Bruckman (2008) specifically praise it for "highly refined policies, norms . . . [and an architecture that] supports organizational ideals of consensus building and discussion" (p. 1). Co-founder Larry Sanger, however, noted in 2004 that "the dominance of difficult people, trolls, and their enablers" creates a "poisonous social or political atmosphere."

Difficult people can lead to quality problems. The journal *Nature* (Giles, 2005), however, showed that science-based articles in Wikipedia have similar error rates to articles in *Britannica*, as measured using peer review.<sup>2</sup> Richard Waters (2006), reporting this in the *Financial Times*, notes that Wikipedia is "pretty good at explaining the basic facts (the focus of the *Nature* experiment) . . . [but] things start to go awry when it comes to less clear-cut issues—history, say, or politics."

The problem in subjective areas is that Wikipedia articles can be dominated. Sunstein (2006) notes that the last editor "can appoint himself as sovereign" (p. 158) destroying, rather than aggregating, content. Stacy Schiff (2006), writing in *The New Yorker*, noted that more frequent editors generally get their way. Articles or entire topic areas can be framed with a particular view by users with knowledge, determination, and power within the system. Environmentalist Lawrence Solomon (2008) explored this in Wikipedia articles on global warming and climate change research. Wilkinson and Huberman (2007) show a related result with an article's quality being strongly correlated to the quantity of edits it receives. Popular articles are harder to dominate.

By dominating articles and topic areas, Wikipedia can be used as a platform for political propaganda. Paul Murphy (2008) called Wikipedia “an early and illustrative warning of the collapse from informed social networking to propaganda.” He explained that “sub-groups of the general community . . . are now using Wikipedia as a marketing tool for their viewpoints.” He called it “fundamentally inappropriate in a site nominally dedicated to the provision of objective information.” He raises a concern that those with an agenda will be more dedicated to getting their point across than casual users, thereby allowing them to dominate.

### RESEARCH USING WIKIPEDIA

Wikipedia provides a rich environment for research. Its privacy policy maintains that editors are identified publicly, and that “all contributions made to a Project, and all publicly available information about those contributions, are irrevocably licensed and may be freely copied, quoted, reused and adapted by third parties with few restrictions” (Wikimedia, 2009).

Users are encouraged to protect their own and each other’s anonymity by using pseudonyms for their identifiable usernames. Processes to change username if warranted also exist. Wikipedia provides a public database of value to researchers, requires contributors’ consent for third-party use, and has a mechanism to limit any resulting discomforts. This provides a very strong ethical basis for research using Wikipedia’s public data.

Researchers have taken advantage of this data (Viegas, Wattenberg, & Dave, 2004; Viegas, Wattenberg, Kriss, & van Ham, 2007; Viegas, Wattenberg, & Mckeon, 2007). Viegas et al. (2004) used the data to identify five types of “vandalism” (quality reduction) including *idiosyncratic copy*, or, “adding text that is related to the topic of the page but which is clearly one-sided, not of general interest, or inflammatory” (p. 579).

Past work has also looked at Wikipedia users. Bryant, Forte, and Bruckman (2005) used an activity theory approach that focused on “active, committed members” to show that increased participation leads to a more general

focus on improving quality. Their sample limitation and the exclusion of more casual editors is a research gap we address in this article.

### BACKGROUND ON FRAMING EFFECTS

Framing research dates from the 1970s and 1980s in various fields (Goffman, 1974; Hall, 1973; Kahneman & Tversky, 1979; Snow, Rochford, Worden, & Benford, 1986; Tuchman, 1978). The underlying concept is the frame, which Gitlin (1980) defines as “persistent patterns of cognition, interpretation, and presentation, of selection, emphasis, and exclusion by which symbol-handlers routinely organize discourse” (p. 7). We use “framing effects” as a general term for efforts to manipulate frames.<sup>3</sup> In the framing versus agenda-setting debate (Entman, 1993; Gamson, 1989; Ghanem, 1997; Scheufele, 1999), we are consistent with McCombs, Shaw, and Weaver (1997), where framing is an extension of agenda-setting.

Kosicki and McLeod (1990) present three dimensions of news processing: active processing, reflective integrating, and selective scanning. The most relevant to Wikipedia is active processing, where, according to Scheufele (1999), the audience is “seeking out additional sources based on the assumption that mass-mediated information in general is incomplete, slanted, or in other ways coloured by the intentions of the communicator” (p. 105). Wikipedia users are almost by definition in this active dimension of news processing.

As users alternate between roles, Wikipedia blurs the distinction between media frames (media’s portrayal of a story) and audience frames (audience perception, based on audience members’ mental models of the world). This provides an interesting window into the constructivist media effects model (Neuman, Just, & Crigler, 1992). Rhee’s (1997) three-stage model of this process is reception of new texts, integration of knowledge, and construction of a discourse model. For Wikipedia, we could add “projection of discourse model,” where editing reflects the audience model and may cause removal of conflicting information.

Scheufele (1999) dismissed “research demonstrating framing effects for particular media or in specific content areas” as of “limited use to the field” (p. 104). However, Wikipedia’s collaborative nature and dominance as an information source creates a need for new research.

**WIKIPEDIA CONTEXT:  
GATEKEEPING, FRAMING,  
EDIT WARS, AND NEUTRAL  
POINT OF VIEW**

Framing can occur though gatekeeping (Lewin, 1947), a theory of how items are “selected” or “rejected.” In information technology, gatekeeping is primarily concerned with liability for defamation and copyright (Zittrain, 2006). It has, since conception, played a significantly different role in understanding the conventional media (Shoemaker, Eichholz, Kim, & Wrigley, 2001). Gatekeeping is “the process by which selections are made in media work, especially decisions whether or not to admit a particular news story to pass through the ‘gates’ of a news medium” (McQuail, 1994, p. 213). Social responsibility theory (Peterson, 1956) saw the public as passive and easily manipulated and the media as “information gatekeepers who represented the public’s interest” (Williams & Delli Carpini, 2004, p. 63).

Social responsibility theory was dominant prior to the Internet revolution (Bruns, 2003). Williams and Delli Carpini (2004) suggested we face a “virtual elimination of the gatekeeping role of the mainstream press” (p. 1208) due to the online environment. Bruns (2003) sees instead a change in the nature of the role and introduced the concept of a gatewatching paradigm. The new paradigm sees content providers acting as librarians who monitor and select news sources for their readers. They create gateway nodes rather than replacement news sources. Wikipedia follows this model by requiring all information to have a reputable source, which is referenced, where possible, with a hyperlink. This requirement gives new emphasis to the role of the mainstream media, seen as one reputable source by Wikipedia.

Wikipedia’s dominance raises concerns about its own effect, or that of dominant editors, in framing information and acting as gatekeepers. Some form of gatekeeping is unavoidable. Articles cannot get too long, for instance. Without guidelines, all frames would be equal, and cultural battles would ensue. In Wikipedia, a culture (Schiff, 2006) with power structures, guidelines, and policies has developed to prevent this. These policies include NPOV, which states that articles should be “written from a neutral point of view, representing significant views fairly, proportionately, and without bias” (Wikipedia, 2008c).

In theory, as articles develop, changes increase neutrality. Editors negotiate and agree on neutral language. The inclusion of “significant views” reduces selection bias, provided that it is done fairly and in proportion to the rest of the article. Wikipedia also bans “original research” (including individual editor’s opinions). It requires reliable resources such as press or academic articles to support text. These sources contain the real value of a Wikipedia article—the more high-quality references an article has, the higher its information value.

In practice, however, the top 1 percent of posters jointly contribute about half of Wikipedia’s edits (Wilson, 2008). The power of the elite gives them a default gatekeeping role. Their strength in authority, time commitment, and knowledge of Wikipedia can easily overwhelm, and thus eliminate, the contributions of others.

Conflicts, known as edit wars, are also common. They occur when “individual editors or groups of editors repeatedly revert each other’s edits” (Wikipedia, 2008b) and are “from a statistical perspective, considered normal activity” (Spicuzza, 2008, p. 3). Rules such as the three revert rule were created to limit edit wars, but have limited effect in long term wars, which may themselves indicate an underlying ideological or political struggle to frame articles.

**THE SELECTION OF NGOs AS A  
TOPIC TO EXAMINE FRAMING**

This research focuses on framing in Wikipedia of nongovernment human rights organizations

(NGOs) active in the Arab–Israeli conflict. This narrow focus was chosen because the conflict is an area of long term edit wars (subject to General Sanctions in Wikipedia), while the NGOs tend to be framed in the media by a halo effect (Thorndike, 1920).

The halo effect deters critical review (Johns, 2003; Niggli, & Rothenbuhler, 2003; Slim, 2002) and causes NGO reports to be accepted at face value by journalists, diplomats, academics, and others (NGO Monitor, 2004; Steinberg, 2006). The reasonableness of acceptance at face value is brought into doubt by research into NGOs (Ballesteros, Restrepo, Spagat, & Vargas, 2007; Robert, 2004; Steinberg, 2007). In Wikipedia, the halo effect should be countered by users' active processing and NPOV; however, individuals or ideological groups can prevent this by influencing frame selection.<sup>4</sup>

## METHODOLOGY

Viegas et al. (2004) identified “mass deletion” as a form of vandalism. This article focuses on a deletion action largely equivalent to its idiosyncratic copy. We observe not article deletion, but referenced content deletion. Through content removal, the editor alters the frame. We focus specifically on the criticism sections of articles related to NGOs, noting that such criticism, provided it is well-sourced, is in keeping with Wikipedia's NPOV policy. We also examine the role and behavior of editors, expanding on work by Bryant et al. (2005) by examining users who are not “active, committed members” of the community but who have influence. By focusing on information removal, we extend previous work on framing in Wikipedia, and examine an approach to framing that Wikipedia seems ill-equipped to handle.

We use an *in vivo* experiment in the form of an observational study with predefined variables and multiple “sites” (articles in this case), making this a field study as per Basili's (1996) classification scheme for experimentation in software engineering. As Wikipedia records all interactions within the system, we use content analysis on stored data as a form of observation. Other approaches, such as psychological analysis,

are impractical. The analysis of Wikipedia's stored data is consistent with the approach of Viegas et al. (2004), but the addition of qualitative analysis in a field study approach adds depth (Basili, 1996).

To reduce selection bias, 20 NGOs were initially selected by experts not involved in this research. Wikipedia was then searched for articles on these NGOs, leaving 16 NGOs with articles for this study.<sup>5</sup> The research proceeded in three phases: phase one was quantitative, and phases two and three were qualitative. The quantitative examination gave breadth and enabled selection for comprehensive qualitative analysis, which gave depth. This mixed-method approach allows the spread of framing through deletion to be more fully measured and allows the nature of the changes and possible motivations to be explored.

Phase one began by creating an edit history document for each NGO article. It recorded the name of the NGO, the address of the article, the article's original creator, and creation date, and whether the article was included in WikiProject Palestine. The entire history from article creation until the most recent edit was examined, and additions and deletions of criticism were logged in the edit history document as “significant edits” for the purpose of this research. For each significant edit, the researcher noted the user name, date of change, a link to the version comparison, general notes, the text of the change itself, and whether it added, removed, or edited criticism. The editor's comment was recorded when informative. The unit of analysis is a significant edit, of which 627 were examined. A sample of the data collected in this step of the research is shown in Appendix A.

The researcher next created a profile summary of descriptive statistics for each NGO article. This included (a) the number of relevant edits examined; (b) a breakdown of the edits into the total number that “added criticisms,” “deleted criticism,” “amended criticism,” or “other”; and (c) a list of key editors in the article classified as either pro- or anti-retention of criticism. False negatives were avoided through a low inclusion threshold, and “other” was used in a few cases when classification was not clear cut. In general, the classification was

deterministic, with references added to a criticism section being additions and the removal of such references being deletions.

For ease of use, the profile summary repeated some information compiled from the edit history. A sample profile summary document is shown in Appendix B.

The lists of key editors from all the profile summary documents were used to create a user summary document. This single document listed editors and the names of articles to which they made relevant edits. Three categories were used: (a) prominent users adding criticism across NGOs, (b) prominent users removing criticism across NGOs, and (c) users with a low number of total edits. In this case, an editor is the unit of analysis. Examples are provided in Appendix C.

In the second research phase, significant cases of interest for deeper qualitative analysis were selected. Links in the summary documents from phase one were used to access and then extract richer case study information from Wikipedia. Article histories, discussion on talk pages, and the wider contributions of some editors were examined.

The third phase focused on the classification of editors. Fifty-six users were listed in the user summary document for adding or removing criticism. In-depth research was conducted into 11 of these users. The research was inductive with an initial classification, followed by more detailed examination of each user's overall contributions. The detailed examination resulted in some reclassifications when information from summaries that suggested editing on unrelated topics was shown to be related when the articles themselves were examined.<sup>6</sup> The factors considered in classifying users are provided in Table 1.

### QUANTITATIVE RESULTS

The study examined 16 articles on NGOs (four of which never contained a criticism section); these are listed in Table 2, along with a count of relevant edits. In the edit history documents, 627 edits were recorded. Nine NGOs were included in WikiProject Palestine, and

TABLE 1. User Case Study Attributes

Descriptor	Description
NGOs edited	A list of the NGOs this user has edited
Number of edits	A count if the number is below 50, otherwise 50+
Justification of edits	Viewed in Wikipedia edit summaries and talk pages
Significant edits	Extracted from the edit history documents
Number of NGO article edits	Where there are few edits, a count of the number of NGO article edits
Interests	A description of related interests

TABLE 2. Count of Examined Edits by NGO

Non-government organization	Significant edits	Project Palestine
Association for Civil Rights in Israel (ACRI)	0	No
Alternative Information Center (AIC)	0	Yes
Al Mezan Center for Human Rights	62	Yes
Alternatives (Canada)	0	No
Amnesty International (AI)	82	No
B'Tselem	73	Yes
Christian Aid	11	No
Hamoked	10	Yes
Human Rights Watch (HRW)	101	Yes
Israeli Committee Against House Demolitions (ICAH)	45	Yes
Palestinian Society for the Protection of Human Rights (LAW)	8	Yes
LDH: French League of Human Rights (Ligue française des droits de l'Homme et du citoyen)	0	No
Machsom Watch	60	Yes
Oxfam	44	No
Sabeel Ecumenical Liberation Theology Center	107	Yes
War on Want (WoW)	21	No

their criticism sections were heavily revised to eliminate criticism.

Four of the NGO entries examined have had sourced criticism sections in the past that have since been completely or almost entirely deleted,

and at the time of this research (July 2008), had not been restored. Examples include the UK-based charity Christian Aid and the Israeli NGO Hamoked. In both cases, all discussion on the Israeli–Palestinian conflict was removed (twice in the case of Christian Aid).

With Human Rights Watch and Amnesty International, the criticism sections were expanded into new articles. The growth of sections into their own articles is normal practice in Wikipedia. In Table 2, we have combined the two Human Rights Watch articles; the main article contained 69 significant edits, and the “Criticism of Human Rights Watch” page contained a further 32 significant edits. The “Criticism of Amnesty International” page was quite new, and the edits to create it are not counted toward Amnesty’s total in Table 2.

Table 3 first mention lists single-issue accounts created for a single, narrow purpose. These accounts have made few contributions to Wikipedia, and mostly focused on removing criticism from NGO articles. In one case (Hamoked), the user assumed the same name as the NGO. In a number of cases, additional edits

were on related topics, including events or people associated with the NGO. Such a narrow focus suggests that an editor is using Wikipedia as a public diplomacy tool, rather than editing for its own sake. It may indicate a regular contributor separating the act of criticism removal from his or her regular Wikipedia identity. As shown in Table 3, the two NGO superpowers, Amnesty International and Human Rights Watch, have a significant number of single-issue accounts, as does a third NGO, Sabeel. These also have the highest number of significant edits, as seen in Table 3. This suggests a relationship between criticism-related editing intensity and volume of single-issue accounts.

In total, 89 editors removed criticism, and 61 of these used registered user names. One hundred fifteen editors added criticism, and 69 of these used registered user names. There are four prominent users removing criticism from multiple NGOs; 16 users removing criticism multiple times from one or more NGOs, in addition to making revisions in other NGO entries; 26 users with low-edit counts focused on NGOs; and nine users adding criticism in more than one NGO entry.

TABLE 3. Single Issue Accounts

User name/IP address	NGO	Edits
Kazandy	Christian Aid	2
Shumtie	Oxfam	7
Hamoked	Hamoked	1
207.173.201.108	Sabeel	9 of 12
207.173.201.221	Sabeel	2
65.95.159.30	Sabeel	2 of 3
Finetoothcomb	Sabeel	2
Vicar oak	Sabeel	7 of 9
Faith2006	Sabeel	2 of 3
CJCurrie	Sabeel	Many
68.163.184.56	Sabeel	3 of 6
Emek12345	B'Tselem	7
RachaelO	B'Tselem	1
69.210.13.102	Criticism of HRW	6
Wildwolfdogg	HRW	2
Waqbi	HRW	14
67.9.103.64	HRW	2
68.251.97.137	HRW	3
68.249.127.64	HRW	3 of 7
81.133.211.144	AI	14
81.134.1.130	AI	10 of 13
81.133.191.250	AI	1
Sligahan	AI	5 of 6
78.149.187.252	AI	12

## QUALITATIVE RESULTS

In the following section we use case studies to illustrate different types of editing related to framing through the removal of information.

### *Discussion of Specific NGO Article Case Studies*

Criticism of Amnesty International grew into an article in its own right in December 2007 and has since seen minimal editing. The volume of criticism from various sources made it more acceptable, as did an earlier incident in 2006 when the approach to inclusion of criticism in the article was challenged.<sup>7</sup>

A user editing Amnesty’s page stated that, “Wikipedia is not ‘a debating society,’ and therefore a focus on ‘criticisms’ doesn’t seem appropriate to this article.” They suggested developing a “topographical overview of the



tensions” instead, a move described as “a thinly disguised attempt at moderating criticism” by another editor. A third editor stated explained policy, “It doesn’t matter whether the article is about an organization that is ‘good’ or ‘bad’ and whether the criticisms are ‘true’ or ‘false.’ It is a place to report the fact of specific and well sourced criticisms that have happened.” The exchange demonstrates how Wikipedia policy and guidelines can counter problems in more popular articles, leading to framing consistent with NPOV.

The Oxfam article is another example of an article with extensive criticism on various topics. Here, however, several previous criticism sections, including ones dealing with the Israeli–Palestinian conflict, have been removed. The selective nature of the removal is interesting, as it changes the framing with respect to Oxfam and Israel while leaving other criticism of the NGO largely intact.

The article on the UK charity Christian Aid has seen the criticism section removed on two prominent occasions. In the first instance, a “Bias in Regard to Israel” section was removed entirely. In the second instance, two links that criticized Christian Aid’s policy in the Israeli–Palestinian conflict and presented research showing evidence of bias against Israel were removed. A criticism section currently exists, but without any mention of the intense debate over Christian Aid’s role in the Israeli–Palestinian conflict. This is again an example of removal of information as a way to frame the article with respect to Christian Aid and Israel.

Another example of a criticism section being removed is the article on Hamoked. A section that cited a reliable source on the Israeli conflict was completely removed by user BassXXX.<sup>8</sup> In this instance, the same user has undertaken similar cleanup work on other articles, including the removal of a criticism sections from the article on Khalid Yasin,<sup>9</sup> a controversial American Islamic leader (Crittenden & Yasin, 2003), and the removal of cited praise<sup>10</sup> from Daniel Pipes, a Middle East scholar and commentator, in an article on Ibn Warraq, a secularist Muslim intellectual (Crittenden & Warraq, 2001). This user has made only 21 edits on Wikipedia, after an initial seven innocent edits, with the rest

indicating a narrow focus on these issues. This shows how frames supporting the same agenda can be advanced by information removal of both praise and criticism.

Framing can also alter criticism without entirely removing it. The criticism section on Machsom Watch (an Israeli NGO) was significantly changed on a number of occasions<sup>11</sup> to remove discussion of the Erez Checkpoint incident. The Machsom Watch article sourced criticism has been removed, and several criticisms have been reworded repeatedly. In one example, a statement that Machsom Watch members “disrupt the work of soldiers at checkpoints” was repeatedly removed by users Zero0000 and Odonian. In one comment, Zero0000 justifies this removal by falsely claiming that he or she “removed unsourced attacks.” In a later edit, user Odonian removed not text but some of the references, claiming inadmissibility as “all of there [sic] were rightwing, non-objective.” The references were to news media, including Israel’s MSN News. The attempt to remove, dismiss, and discredit sources that run counter to the editor’s political opinions is another example of information removal in order to change the frame.

These examples illustrate some of the ways that framing occurs in Wikipedia through information removal. The removal of criticism published by reliable sources is against Wikipedia policy, yet occurs regularly. This indicates that framing is an issue in Wikipedia, despite policy. In the next section, we examine the types of users who contribute to this problem.

### *The Four Types of Users*

Inductive analysis of the data identifies four main types of users who remove criticism: campaigners, advocates, lobbyists, and casual editors. Each one differs based on the size of its contribution to Wikipedia and the distribution of its edits. Two further types, anti-vandal editors and balancers, work toward undoing the removal of referenced material. Because this article focuses on framing through information removal, the latter two types are not examined in depth; however they seem to be a minority with high levels of activity.

### Campaigners

A campaigner is a Wikipedia editor working towards a larger goal. He or she edits across a range of NGO articles and other articles. In the NGO articles examined here, campaigners usually removed sourced criticism. Some campaigners are members of WikiProject Palestine. Others appear to edit articles in the project without being members.

*Case Study: User Alberuni.* Alberuni was banned for 13 months in January 2005, then permanently in 2006. He used “sock puppets” (additional accounts) to try to avoid penalties for involvement in edit wars and personal attacks. Alberuni was the user’s main account with over 2500 edits.

Alberuni removed criticism from Machsom Watch, Amnesty International, and Al Mezan. He had an anti-Jewish agenda. Alberuni replaced the word “Jewish” with “Zionist” in articles, and repeatedly called another editor a “Zionist censor.” Alberuni wrote in a comment that the Islamist view of a one-state solution is that “Zionists will have to go or die.”<sup>12</sup>

Alberuni’s campaigning use of Wikipedia is documented in a page created by Jayjg. It lists 24 general sock puppets and 28 sock puppets with specific characteristics. The latter include three Islamist sock puppets, three female sock puppets, four straw man sock puppets (pretending to be Israeli), one sock puppet with an abusive name, 13 with names attacking Jews (including “WikiJewsSuk,” “CoolHitlerFan,” and “Jewshit”), and four accounts attacking specific editors. The overall campaign is one of racism, specifically antisemitism.<sup>13</sup>

Not all campaigners are racist. Zero0000, the creator of the Machsom Watch article, is a campaigner active across a range of topics on the Arab–Israeli conflict, editing both Machsom Watch and B’Tselem. Deodar (editing Hamoked and Sabeel), Abu Ali (ICAHN and Sabeel), and 72.88.218.235 (B’Tselem, ICAHN) are further examples of campaigners. All of these editors took a particular interest in editing other articles on the Israeli–Palestinian conflict.

### Advocates

An advocate editor is concerned almost entirely with one page or a very limited topic. In the case of our research, the focus would be a particular NGO. One hypothesis is that advocates may be members, supporters, or staff of the NGO. These editors are using Wikipedia for a purpose unrelated to the advancement of the encyclopedia, and instead they remove criticism in order to frame their targets in the best possible light.

One type of advocate is the single-issue account previously introduced. Most are used in a single block of time. New single-issue accounts can be created on an as-needed basis. Advocates editing over a sustained period are rare. Evelyn727 in the case study below is one such case. Examples of edits by the more common single-issue accounts follow.

*Case Study: User Evelyn727.* The user Evelyn727 has made 18 edits during a one-year history.<sup>14</sup> The edits can be divided into seven blocks of time, yet all involve the NGO War on Want. In some cases, Evelyn727 adds criticism to other organizations and events, citing War on Want research. In the case of War on Want itself, Evelyn727 reframes the article to remove criticism and rewrites content in a defensive manner.

In one change, a research finding stating that War on Want was “accused of making political use of ‘Holocaust and anti-Semitic themes’” was revised by Evelyn727 to state that the NGO was accused of being “involved in international lobbying to isolate Israel.” Without removing the reference, Evelyn727 switches the focus to a point that (a) may not be considered negative by War on Want supporters, and (b) deflects the charge of possible racism into a discussion of politics, substantially defusing this criticism.

Another edit by Evelyn727 replaced information stating that “the UK Charity Commission has investigated War on Want a number of times and warned them about their political activities which may breach their charitable status” with a statement seeking to vindicate War on Want. The original statement was supported by references to the press (Paul, 2006), a law

journal (Lee, 1984), and a political science journal (Burt, 1998). These were all removed.<sup>15</sup> The new statement read: “Though complaints about War on Want are sometimes filed with the Charity Commission, no complaint has ever been upheld”; no source was provided.

*Edits by Single-Issue Accounts.* An extreme case of a single-issue account is RachaelO, who has only one edit. The comment gives away the advocate nature of her account, reading, “A lot of quotes from similar organizations can’t make B’Tselem’s painstakingly careful statistics inaccurate. Rmvd [sic] some quotes, added some clarifications.” RachaelO has removed text criticizing B’Tselem for “using outdated sources for reports on highly charged political topics,” and attacked the source which she introduced as “a watchdog group that accuses organizations such as Amnesty International of anti-Israel bias.”

RachaelO’s edit also replaced a statement that “the organization has also been assailed for its casualty statistics,” leaving a much weaker claim that “some critics have voiced concern that B’Tselem classifies casualties into military versus civilian rather than combatant versus non-combatant.” An explanation of the classification problem, namely that it can “mislead others into thinking that the ‘civilian’ casualties were all innocents,” has been replaced with text reiterating B’Tselem’s position.

The reframing by RachaelO alters the entire tone of the criticism section. The resulting section could best be named “unjustifiable criticism.” This user’s single edit introduced bias that lasted for months. Tewfik eventually added a reference to an academic journal noting that B’tselem has been “criticised for defining as ‘civilian’ Palestinians killed while engaged in attacks on Israelis.” Tewfik comments that he is fixing a lack of NPOV; he appears to be unaware that the problem results from deliberate reframing by the last editor. Although an edit history is available, it is not always referred to.

A list of other advocates (of the single-issue account type) is presented in Table 3.

### *Lobbyist*

The lobbyists are editors who work within a broad scope of articles across Wikipedia, yet

focus on only one NGO. They differ from advocates, because they contribute in other places, and from campaigners, because their actions do not appear to be part of a general campaign. These editors may attempt to remove or reduce criticism or set very high standards for the inclusions of criticism. As they become more involved in Wikipedia, their use of Wikipedia’s internal policies and guidelines to achieve their goals becomes more sophisticated.

*Case Study: User Tiamut.* Tiamut is active on topics related to the Israeli–Palestinian conflict, and in the Sabeel article, but not other NGOs. The user profile lists Tiamut as a member of “project Palestine,” “project Israel,” “the project to counter systematic bias,” and the “project against discrimination.”

Tiamut has been involved in a number of minor edit wars over the Sabeel article. Framing can be seen in his efforts to mute criticism or explicitly attribute all included criticism to “pro-Israel” sources. The desire to attribute criticism to “pro-Israel” sources (rather than simply naming the sources and letting people draw their own conclusions) has been described as “poisoning the well.” This frames the subsequent criticism in a way that may prevent readers from giving the arguments themselves proper consideration.

Other lobbyists include PalestineRemembered, who edits the Israeli Committee Against Housing Demolitions article, and YoYoDa1, who edits Human Rights Watch. Both users edit on the topic of the Israel–Palestinian conflict.

### *Casual Editors*

Casual editors are visitors to Wikipedia who only edit articles on occasion. Spread across many topics, their edits show no unified agenda. Their attention is divided and, very often, thinly spread. These users may remove information that conflicts with their conceptual model on the justification that it is out of place.

*Case Study: User Corington.* Corington has edited “War on Want” several times, mostly to improve it and add details. This user’s other interests stretch from poached eggs to the Phoenix Cinema, thus revealing the lack of a unified agenda that defines casual users. Corington is

not involved with other NGO articles, nor with Arab–Israeli conflict articles.

Corington removed criticism of the 2006 War on Want Christmas cards. The cards—which show a pregnant woman, identified as Mary, on a donkey being searched at an Israeli checkpoint outside “Bethlehem”—caused criticism for their “echoes [of] the anti-Semitic blood libel of deicide . . . by explicitly connecting the suffering of Palestinians with that of Jesus” (NGO Monitor, 2007). Corington’s comment, “incorrect info (card image did not depict Jesus),” is original research rejecting published analysis, which is a violation of policy.

Corington also furthered the work of Evelyn727 (mentioned previously) by removing negative references to investigations by the Charities Commission.<sup>16</sup> A Commission quote in the *Jerusalem Post*, “the Charity Commission has taken these concerns very seriously and we have addressed these issues with the trustees of War on Want,” was replaced with original text, “War on Want’s campaigns on Palestine were linked to its charitable objects, making them perfectly legitimate under charity law,” and a citation to a *Jewish Chronicle* article. The *Jewish Chronicle* article refers to a specific complaint, not as the citation implies, to *all* War on Want’s campaigns. This is a sophisticated edit that alters the public record in Wikipedia through selection and misrepresentation of an alternative source. In the process, past criticisms are further buried.

Another example of a casual editor is GrahamN, who has edited the Palestinian Society for the Protection of Human Rights.

### ***Other Types of Users***

There were two other types of users observed in this research: Anti-vandals, who undo large deletions, and balancers, who work to ensure praise and criticism is properly provided on notable topics. These two types of users work against selective framing effects by promoting a NPOV. Both may react strongly against vandalism of sourced criticism, sometimes engaging in “edit wars.” This work is not entirely effective, as demonstrated by the amount of sourced criticism that has been removed and not restored.

### ***Implications and Recommendations***

The use of framing in Wikipedia through information removal is clearly demonstrated by this research. The traditional gatekeeping function of the media appears to be particularly influential in Wikipedia, but it is extended by a second stage of gatekeeping that eliminates sources, either legitimately, based on their providence, or through efforts to reshape the frame. As a result of framing, Wikipedia cannot be a consistently reliable source on politically contentious topics. Less popular, seemingly nonpolitical areas of Wikipedia can be dominated, forcing users to question their reliability.

The unique policy, technology, and political structures of the Wikipedia domain encourage framing from a NPOV. Additions that break this frame are easy to spot and are reviewed each time an article is read. Deletions have a much lower visibility but play a significant role in framing in a non-NPOV manner.

The reduction in quality from advocate editors, as highlighted in this article, can be easily reduced. Wikipedia already uses its own gatekeeping approaches to prevent vandalism in high-risk articles. Such gatekeeping could be routinely added to high-risk parts of articles (such as criticism sections) to prevent editing by anonymous users and accounts with limited history.

A small number of editors make a disproportionate effort to revert the removal of criticism. Despite such efforts, many references are removed and not replaced. Content deletion is a framing approach that requires the lowest investment to make and the highest investment to discover. This makes it a topic worthy of further research when considering framing in Wikipedia. More awareness of the usefulness of reviewing edit history and new tools based on this history could reduce the impact of information elimination framing.

As Wikipedia policy, such as NPOV, already supports the inclusion of published criticism, ignorance of the appropriateness of criticism is an educational rather than a policy matter. Wikipedia can clarify the desirability of sourced criticism, prevent NPOV framing, and encourage the restoration of sourced criticism if

needed. Automated systems could be used to transfer deleted sources to the talk page (or a new type of page) for later consideration by editors. Another approach would be to make deletions visible to logged-in users in their default view using a revision viewing system, similar to that in Microsoft Word for example.

## CONCLUSIONS

This research presents criticism elimination, a type of information removal that can introduce framing in community-created content. The examination of 627 edits spread over 16 Wikipedia articles demonstrates systematic removal of criticism published by reliable sources, despite policy. This leads to framing that runs counter to the NPOV policy and highlights a weakness, open to exploitation, in the current Wikipedia model.

We have shown that criticism elimination can have a gatekeeping effect that allows parts of Wikipedia to be dominated by those with an agenda. The presence of politically motivated framing and de facto gatekeepers runs counter to the Wikipedia model of knowledge generation. It has implications for both article quality and trust, particularly on contentious topics. Further research on gatekeeping in Wikipedia is needed.

We have classified, into four groups, the editors who use criticism elimination to achieve a framing effect. We have suggested prevention and harm minimization approaches appropriate to different classifications of editors using criticism elimination. Fine grain editing restrictions may prevent some problems, while new tools to increase the visibility of removed references could make it easier to spot and undo the rest.

This research, including the methodology, can be useful to Wikipedia model developers and others examining the Wikipedia system. Wikipedia as an environment provides a rich field of data for future political science research. For now, criticism elimination means at least some parts of Wikipedia are susceptible to unexpected, systematic framing, and gatekeepers do indeed exist. These problems limit

Wikipedia's ability to improve in quality and must likewise limit our faith in what we read there, especially on contentious topics.

## NOTES

1. The data this analysis is based on can be accessed at: <http://faculty.biu.ac.il/~steing/wikipedia/>.

2. In re-examining the data collected by *Nature*, Wikipedia's errors appear qualitatively different and more serious than that of *Britannica*. The encyclopedias' susceptibility to myth provides a topic for future research.

3. Kuhberger (1998) uses "the framing effect" interchangeably with "the framing phenomena," yet notes there is no such thing as *the* framing effect. Rather, there are a range of things that lead to differing "framing effects."

4. One example of such an ideological group is WikiProject Palestine (Oboler, 2008), which focuses on some of the articles examined in this research.

5. The NGOs without Wikipedia articles, which were therefore excluded from the study, were Mossawa, Adalah, The Palestinian NGO Network (PNGO), and The Palestinian Centre for Human Rights (PCHR).

6. The removal of NGO criticism, combined with the insertion of references to that NGO's work in other articles, suggest at least an above average familiarity with the NGO or possibly some form of relationship.

7. See [http://en.wikipedia.org/wiki/Talk:Amnesty\\_International#.22Articles\\_critical\\_of\\_AI.22](http://en.wikipedia.org/wiki/Talk:Amnesty_International#.22Articles_critical_of_AI.22). Retrieved June 14, 2008.

8. See <http://en.wikipedia.org/w/index.php?title=Hamoked&diff=191253879&oldid=156393268>

9. [http://en.wikipedia.org/w/index.php?title=Khalid\\_Yasin&diff=prev&oldid=193141782](http://en.wikipedia.org/w/index.php?title=Khalid_Yasin&diff=prev&oldid=193141782).

10. [http://en.wikipedia.org/w/index.php?title=Ibn\\_Warraq&diff=prev&oldid=208576034](http://en.wikipedia.org/w/index.php?title=Ibn_Warraq&diff=prev&oldid=208576034).

11. See [http://en.wikipedia.org/w/index.php?title=Machsom\\_Watch&diff=prev&oldid=52119676](http://en.wikipedia.org/w/index.php?title=Machsom_Watch&diff=prev&oldid=52119676), [http://en.wikipedia.org/w/index.php?title=Machsom\\_Watch&diff=next&oldid=52198146](http://en.wikipedia.org/w/index.php?title=Machsom_Watch&diff=next&oldid=52198146), and [http://en.wikipedia.org/w/index.php?title=Machsom\\_Watch&diff=next&oldid=55394845](http://en.wikipedia.org/w/index.php?title=Machsom_Watch&diff=next&oldid=55394845).

12. See [http://en.wikipedia.org/w/index.php?title=One-state\\_solution&diff=prev&oldid=8351489](http://en.wikipedia.org/w/index.php?title=One-state_solution&diff=prev&oldid=8351489).

13. The list of sock puppets can be seen at <http://en.wikipedia.org/wiki/User:Jayjg/Alberuni>.

14. See <http://en.wikipedia.org/wiki/Special:Contributions/Evelyn727>. Retrieved July 3, 2008.

15. See [http://en.wikipedia.org/w/index.php?title=War\\_on\\_Want&diff=106858317&oldid=106391605](http://en.wikipedia.org/w/index.php?title=War_on_Want&diff=106858317&oldid=106391605).

16. See [http://en.wikipedia.org/w/index.php?title=War\\_on\\_Want&diff=next&oldid=220582843](http://en.wikipedia.org/w/index.php?title=War_on_Want&diff=next&oldid=220582843).

## REFERENCES

- Alexa Internet, Inc. (2008). *Alexa Top 500 Sites*. Retrieved June 9, 2008, from [http://www.alexa.com/site/ds/top\\_sites?ts\\_mode=global&lang=none](http://www.alexa.com/site/ds/top_sites?ts_mode=global&lang=none)
- Ayers, P. (2006). Researching Wikipedia—Current approaches and new directions. *Proceedings of the American Society for Information Science and Technology*, 43(1), 1–14.
- Ballesteros, A., Restrepo, J., Spagat, M., & Vargas, J. (2007). *The work of Amnesty International and Human Rights Watch: Evidence from Colombia* (Report no. 003639). Centro de Recursos para el Análisis de Conflictos (CERAC). Retrieved from [www.cerac.org.co/pdf/CERAC\\_WP\\_4.pdf](http://www.cerac.org.co/pdf/CERAC_WP_4.pdf)
- Basili, V. R. (1996). The role of experimentation in software engineering: Past, current, and future. In *18th International Conference on Software Engineering* (pp. 442–449). Washington, DC: IEEE Computer Society.
- Benkler, Y. (2006). *The wealth of networks: How social production transforms markets and freedom*. New Haven, CT: Yale University Press.
- Bruns, A. (2003). Gatewatching, not gatekeeping: Collaborative online news. *Media International Australia Incorporating Culture and Policy*, 107, 31–44.
- Bryant, S. L., Forte, A., & Bruckman, A. (2005). Becoming Wikipedian: Transformation of participation in a collaborative online encyclopedia. In *GROUP '05: Proceedings of the 2005 international ACM SIGGROUP conference on supporting group work* (pp. 1–10). New York, NY: ACM Press.
- Burt, E. (1998). Charities and political activity: Time to re-think the rules. *The Political Quarterly*, 69(1), 23–30.
- Crittenden, S. (Interviewer), & Warraq, I. (Interviewee). (2001, October 10). Why I am not a Muslim. *The Religion Report*, Radio National—Australia.
- Crittenden, S. (Interviewer), & Yasin, K. (Interviewee). (2003, September 10). Khalid Yasin in conversation. *The Religion Report*, Radio National—Australia.
- Entman, R. M. (1993). Framing: Towards clarification of a fractured paradigm. *Journal of Communication*, 43(4), 51–58.
- Forte, A., & Bruckman, A. (2008). Scaling consensus: Increasing decentralization in Wikipedia governance. In *The 41st Annual Hawaii International Conference on System Sciences* (p. 157). Washington, DC: IEEE Computer Society.
- Gamson, W. A. (1989). News as framing: Comments on Gaber. *American Behavioral Scientist*, 33, 157–166.
- Ghanem, S. (1997). Filling in the tapestry: The second level of agenda setting. In M. McCombs, D. Shaw, & D. Weaver (Eds.), *Communication and democracy. Exploring the intellectual frontiers in agenda-setting theory* (p. 6). Mahwah, NJ: Erlbaum.
- Giles, J. (2005, December 15). Internet encyclopaedias go head to head. *Nature*, 438, 900–901.
- Gitlin, T. (1980). *The whole world is watching: Mass media in the making and unmaking of the new left*. Berkeley, CA: University of California Press.
- Goffman, E. (1974). *Frame analysis: An essay on the organization of experience*. New York, NY: Harper & Row.
- Greenstein, S. (2007). Wagging Wikipedia's long tail. *IEEE Micro*, 27(2), 6.
- Hall, S. (1973). Determinations of news photographs. In S. Cohen & J. Young (Eds.), *The manufacture of news* (pp. 176–190). London, England: Sage Publications.
- Johns, G. (2003). The NGO challenge: Whose democracy is it anyway? In *Non-governmental organisations: The growing power of the unelected few*. Washington, DC: American Enterprise Institute for Public Policy Research. Retrieved February 22, 2009, from [www.aei.org/docLib/20030630\\_johns.pdf](http://www.aei.org/docLib/20030630_johns.pdf)
- Kahneman, D., & Tversky, A. (1979). Prospect theory: An analysis of decision under risk. *Econometrica*, 47, 263–291.
- Kosicki, G. M., & McLeod, J. M. (1990). Learning from political news: Effects of media images and information-processing strategies. In S. Kraus (Ed.), *Mass communication and political information processing* (pp. 69–83). Hillsdale, NJ: Erlbaum.
- Kuhberger, A. (1998). The influence of framing on risky decisions: A meta-analysis. *Organizational Behavior and Human Decision Processes*, 75(1), 23–55.
- Lee, D. (1984). Charities and politics: The perennial problem. *Liverpool Law Review*, 6(1), 49–62.
- Lewin, K. (1947). Frontiers in group dynamics. *Human Relations*, 1(1) 5–41.
- Lichtenstein, S. (2008). The Wikipedia: Experts, expertise and ethical challenges. In M. Warren (Ed.), *Conference Proceedings of AiCE 2008, Melbourne, 11 February 2008: Fifth Australian Institute of Computer Ethics Conference* (pp. 112–118). Melbourne, Australia: School of Information Systems, Deakin University.
- McCombs, M., Shaw, D., & Weaver, D. (1997). *Communication and democracy: Exploring the intellectual frontiers in agenda-setting theory*. Mahwah, NJ: Erlbaum.
- McQuail, D. (1994). *Mass communication theory: An introduction* (3rd ed.). London, England: Sage.
- Murphy, P. (2008, July 15). *Do problems with Wikipedia presage social networking's end?* Retrieved February 22, 2009, from <http://blogs.zdnet.com/Murphy/?p=1190>
- Neuman, R. W., Just, M. R., & Crigler, A. N. (1992). *Common knowledge: News and the construction of political meaning*. Chicago, IL: University of Chicago Press.
- NGO Monitor. (2004, February 5). *Memorandum submitted by the NGO Monitor*. Retrieved February 22, 2009, from <http://www.publications.parliament.uk/pa/cm200304/cmselect/cmintdev/230/230we32.htm>
- NGO Monitor. (2007, January 15). *War on Want wages war on Israel* (Update). Retrieved February 22, 2009, from

- [http://www.ngo-monitor.org/article/war\\_on\\_want\\_wages\\_war\\_on\\_israel\\_update](http://www.ngo-monitor.org/article/war_on_want_wages_war_on_israel_update)
- Niggli, P., & Rothenbuhler, A. (2003). *Do the NGOs have a problem of legitimacy?* Retrieved February 22, 2009, from <http://www.globalpolicy.org/ngos/credib/2003/1203problem.htm>
- Oboler, A. (2008, May 13). Wiki-warfare: Battle for the on-line encyclopedia. *Jerusalem Post*, 15.
- Olleros, F. X. (2008). Learning to trust the crowd: Some lessons from Wikipedia. In P. Kropf, M. Benyoucef, & H. Mili (Eds.), *2008 International MCETECH Conference on e-Technologies, 23–25 Jan. 2008, Montreal* (pp. 212–216). Washington, DC: IEEE Computer Society.
- Paul, J. (2006, July 4). UK team probes anti-Israel event. *Jerusalem Post*. Retrieved July 14, 2008, from <http://www.jpost.com/servlet/Satellite?pagename=JPost/JPArticle/ShowFull&cid=1150885919939>
- Peterson, T. (1956). The social responsibility theory. In F. Siebert, T. Peterson, & W. Schramm (Eds.), *Four theories of the press* (pp. 73–104). Urbana, IL: University of Illinois Press.
- Rhee, J. W. (1997). Strategy and issue frames in election campaign coverage: A social cognitive account of framing effects. *Journal of Communication*, 47(3), 26–48.
- Robert, C. B. (2004). Who will watch the watchdogs? Human rights non-governmental organizations and the case for regulation. *Buffalo Human Rights Law Review*, 10, 261–398.
- Sanger, L. (2004, Dec 31). *Why Wikipedia must jettison its anti-elitism*. Retrieved July 18, 2008, from <http://www.kuro5hin.org/story/2004/12/30/142458/25>
- Scheufele, D. A. (1999). Framing as a theory of media effects. *Journal of Communication*, 49(4), 103–122.
- Schiff, S. (2006, July 31). Know it all. *The New Yorker*.
- Shoemaker P., Eichholz, M., Kim, E., & Wrigley, B. (2001). Individual and routine forces in gatekeeping. *Journalism and Mass Communication Quarterly*, 78, 2.
- Slim, H. (2002). By what authority? The legitimacy and accountability of non-governmental organisations. *Journal of Humanitarian Assistance*. Retrieved July 18, 2008, from <http://jha.ac/1995/09/22/military-humanitarianism-and-the-new-peacekeeping-an-agenda-for-peace/>
- Smith, L. C. (1989). Wholly new forms of encyclopedias: Electronic knowledge in the form of hypertext. In S. Koskiala & R. Launo (Eds.), *Proceedings of the Forty-Fourth FID Congress, Helsinki, Finland* (pp. 245–250). Amsterdam: International Federation for Documentation.
- Snow, D. A., Rochford, B., Worden, S. K., & Benford, R. D. (1986). Frame alignment processes, micromobilization and movement participation. *American Sociological Review*, 51, 464–481.
- Solomon, L. (2008, July 8). Wikipropaganda. *The National Review Online*. Retrieved July 18, 2008, from <http://article.nationalreview.com/?q=NjU1ZDBhOGE xOwRINzc5ZDcwOTUxZWZWM3MwU2Mjc5MGE=>
- Spicuzza, M. (2008, February 12). Wikipedia idiots: The edit wars of San Francisco. *SF Weekly*. Retrieved July 18, 2008, from <http://www.sfweekly.com/2008-02-13/news/wikipedia-idiots-the-edit-wars-of-san-francisco/>
- Steinberg, G. M. (2006). Soft powers play hardball: NGOs wage war against Israel. *Israel Affairs*, 12(4), 748–768.
- Steinberg, G. M. (2007). Civil society, intercultural dialogue and political activism: Rethinking EMP policies. In L. Bekemans, M. Karasinska-Fendler, M. Mascia, A. Papisca, C. Stephano, & P. Xuereb (Eds.), *Intercultural dialogue and citizenship: Translating values into actions* (pp. 297–311). Venice, Italy: Marsilio.
- Sunstein C. R. (2006). *Infotopia: How many minds produce knowledge*. Oxford, England: Oxford University Press.
- Tancer, B. (2007, March 1). Look who's using Wikipedia. *Time*. Retrieved July 16, 2008, from <http://www.time.com/time/business/article/0,8599,1595184,00.html>
- Thorndike, E. L. (1920). A constant error on psychological rating. *Journal of Applied Psychology*, 4, 25–29.
- Tuchman, G. (1978). *Making news*. New York, NY: The Free Press.
- Viégas, F., Wattenberg, M., & Dave, K. (2004). Studying cooperation and conflict between authors with history flow visualizations. In E. Dykstra-Erickson & M. Tscheligi (Eds.), *Proceedings of CHI 2004, Vienna, Austria* (pp. 575–582). New York, NY: ACM Press.
- Viégas, F., Wattenberg, M., Kriss, J., & van Ham, F. (2007). Talk before you type: Coordination in Wikipedia. In *Proceedings of the 40th Annual Hawaii International Conference on System Sciences* (p. 78). Washington, DC: IEEE Computer Society.
- Viégas, F., Wattenberg, M., & Mckee, M. (2007). The hidden order of Wikipedia. In D. Schuler (Ed.), *OCSC 2007—Online Communities and Social Computing—Second International Conference July 22–27, 2007, Beijing, China* (pp. 445–454). LNCS 4564, Berlin: Springer-Verlag.
- Waters, R. (2006, November 10). Wikipedia stand-off in search for online truth. *Financial Times*. Retrieved July 16, 2008, from <http://www.ft.com/cms/s/2/3300554a-6d6a-11db-8725-0000779e2340.html>
- Wikimedia. (2008, September 30). *Wikipedia statistics—Current status*. Retrieved September 30, 2998, from <http://stats.wikimedia.org/EN/TablesCurrentStatus-Verbose.htm>
- Wikimedia. (2009, May 17). *Privacy policy*. Retrieved May 17, 2009, from [http://wikimediafoundation.org/wiki/Privacy\\_policy](http://wikimediafoundation.org/wiki/Privacy_policy)
- Wikipedia. (2008a, July 2). [Main page.] Retrieved July 2, 2008, from [http://en.wikipedia.org/wiki/Main\\_Page](http://en.wikipedia.org/wiki/Main_Page)
- Wikipedia. (2008b, July 5). *Wikipedia: Edit war*. Retrieved July 5, 2008, from [http://en.wikipedia.org/wiki/Wikipedia:Edit\\_war](http://en.wikipedia.org/wiki/Wikipedia:Edit_war)

- Wikipedia. (2008c, July 5). *Wikipedia: Neutral point of view*. Retrieved July 5, 2008, from [http://en.wikipedia.org/wiki/Wikipedia:Neutral\\_point\\_of\\_view](http://en.wikipedia.org/wiki/Wikipedia:Neutral_point_of_view)
- Wikipedia. (2008d, January 18). *Wikipedia: Size of Wikipedia*. Retrieved January 18, 2008, from [http://en.wikipedia.org/wiki/Wikipedia:Size\\_of\\_Wikipedia](http://en.wikipedia.org/wiki/Wikipedia:Size_of_Wikipedia)
- Wilkinson, D. M., & Huberman, B. A. (2007). Assessing the value of cooperation in Wikipedia. *First Monday*, 12(4). Retrieved from [http://firstmonday.org/issues/issue12\\_4/wilkinson/index.html](http://firstmonday.org/issues/issue12_4/wilkinson/index.html)
- Williams, B. A., & Delli Carpini, M. (2004). Monica and Bill all the time and everywhere: The collapse of gatekeeping and agenda setting in the new media environment. *American Behavioral Scientist*, 47(9), 1208–1230.
- Wilson, C. (2008, February 22). *The wisdom of the chaperones*. Retrieved July 17, 2008, from <http://www.slate.com/id/2184487>
- Zittrain, J. (2006). A history of online gatekeeping. *Harvard Journal of Law and Technology*, 19(2), 253.
- Zittrain, J. (2008). *The future of the Internet and how to stop it*. New Haven, CT: Yale University Press.

## APPENDIX A

It should be noted that only edits with explicit criticism of the NGO being examined were counted. Other edits were recorded in the edit history where they could be expected to have an impact on point of view similar to criticism or the removal of criticism (but based on reader interpretation). In the Christian Aid summary, about half the edits are in this category. A section of the edit history document for Christian Aid follows.

### Christian Aid:

[http://en.wikipedia.org/wiki/Christian\\_Aid](http://en.wikipedia.org/wiki/Christian_Aid)  
 Date examined: 20/05/2008  
 Project Palestine: NO  
 Date Topic Added: 18/12/2004  
 Author: Robroyaus  
 Link:[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=212838949&oldid=8563812](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=212838949&oldid=8563812)

### History of revisions:

- ADD 17:20, 19/10/2006, by The Tuna: Added “Bias in Regard to Israel” section:  
 According to NGO Monitor, Christian Aid promotes organizations and events that advance a clear political agenda, consistently blaming Israel for the ongoing conflict and ignoring Palestinian terror and rejectionism.

Its publications erase Palestinian responsibility, ignore terrorism and demonize Israel.

Christian Aid Officials have joined extremist political campaigns and have close links with the main proponents of divestment. Christian Aid’s stated mission is to “strive for a new world transformed by an end to poverty and [to] campaign to change the rules that keep people poor.” It is unclear how pursuing political campaigns that place the blame for the conflict entirely on Israel as an aggressor state, and remove any Palestinian responsibility for improvement, will achieve this end.

Provides sources.

Link:[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=next&oldid=81986943](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=next&oldid=81986943)

REMOVE 16:13, 24/10/2006, by Kazandy: Removed “Bias in Regard to Israel section”.

Does not state reason

Link:[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=next&oldid=82594406](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=next&oldid=82594406)

(Some data omitted at this point, data continues . . .)

REMOVE 16:50, 31/07/2007, by 84.51.136.194: “Libelous information”- removed Criticism of Christian Aid section, including links.

Link:[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=148303440&oldid=143926257](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=148303440&oldid=143926257)

ADD 18:19, 27/12/2007, by NBeale: Added new criticism. Lacks criticism of Christian Aid’s policy in the Israel-Palestinian conflict.

Link:[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=180458552&oldid=178548105](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=180458552&oldid=178548105)

Currently: There is a criticism section, however, it does not deal with Christian Aid’s policy in the Israeli-Palestinian conflict.

## APPENDIX B

This appendix provides a sample of an NGO Profile document.

Christian Aid:

[http://en.wikipedia.org/wiki/Christian\\_Aid](http://en.wikipedia.org/wiki/Christian_Aid)  
 Date examined: 20/05/2008  
 Project Palestine: NO



Date Topic Added: 18/12/2004  
 Author: Robroyaus  
[http://en.wikipedia.org/w/index.php?title=Christian\\_Aid&diff=212838949&oldid=8563812](http://en.wikipedia.org/w/index.php?title=Christian_Aid&diff=212838949&oldid=8563812)  
 Total Edits Recorded: 11  
 Total Number of Revisions Adding Criticism: 3  
 Total Number of Revisions Removing Criticism: 2  
 Total Number of Revisions Editing Criticism: -  
 Total Number of Other Edits: 6  
 Users Adding Criticism: 75.84.97.215, NBeale, The Tuna  
 Users Removing Criticism: 84.51.136.194, Kazandy  
 Users Amending Criticism: -  
 Users Making Other Edits: Dean Sayers, 135.196.109.101, Ken Gallager,

Summary: The Criticism section on this page has been tampered with on two prominent occasions. In the first, a Bias in Regard to Israel section was removed. In the second instance, two links attacking Christian Aid's policy in the Israeli-Palestinian conflict and their bias against Israel were removed. Currently, there exists a criticism section, however it lacks discussion on Israeli-Palestinian conflict.

### APPENDIX C

This appendix provides a selection of entries from the User Profile document.

Prominent users removing criticism across NGO entries.  
 Eleland- B'Tselem, ICAHD  
 Mostlyharmless- Oxfam, HRW

Users removing criticism on more than one occasion in at least one NGO entry, in addition to making revisions in other NGO entries:  
 Abu Ali- ICAHD, Sabeel  
 Corington- Revised solely in War on Want, however he edited numerous times, and removed significant amount of criticism.  
 YoYoDa1- Revised solely in HRW, however he edited numerous times. Additionally, he edited various entries related to Israeli-Palestinian conflict.

Users appearing in "Users Adding Criticism" Section in more than one NGO entry:  
 The Tuna- Christian Aid, Hamoked, Sabeel, ICAHD, B'Tselem  
 Jayjg- Al Mezan, Sabeel, ICAHD, B'Tselem, Human Rights Watch, AI  
 Zeq- Machsom Watch

Users with low edits focused on NGOs  
 Shumtie- Oxfam (7 edits).  
 Vicaroak- Sabeel (7 of 9 edits are on Sabeel).  
 69.210.13.102- Criticism of HRW (6 edits).