

# How the Web Destroys the Quality of Students' Research Papers

## Point of View by David Rothenberg

Sometimes I look forward to the end-of-semester rush, when students' final papers come streaming into my office and mailbox. I could have hundreds of pages of original thought to read and evaluate. Once in a while, it is truly exciting to a question I've asked the class to discuss.

But this past semester was different. I noticed a disturbing decline in both the quality of the writing and the originality of the thoughts expressed. What had happened since last fall? Did I ask worse questions? Were my students unusually lazy? No. My class had fallen victim to the latest easy way of writing a paper: doing their research on the World-Wide-Web.

It's easy to spot a research paper that is based primarily on information collected from the Web. First, the bibliography cites no books, just articles or pointers to places in that virtual land somewhere off any map: <http://www.etc>. Then a strange preponderance of material in the bibliography is curiously out of date. A lot of stuff on the Web that is advertised as timely is actually at least a few years old. (One student submitted a research paper last semester in which all of his sources were articles published between September and December 1995; that was probably the timespan of the Web page on which he found them.)

Another clue is the beautiful pictures and graphs that are inserted into the body of the student's text. They look impressive, as though they were the result of careful work and analysis, but actually they often bear little relation to the precise subject of the paper. Cut and pasted from the vast realm of what's out there for the taking, they masquerade as original work.

Accompanying them are unattributed (no credit given to the original author) quotes (in which one can't tell who made the statement or in what context) and curiously detailed references to the kinds of things that are easy to find on the Web (pages and pages of federal documents, corporate propaganda, or snippets of commentary by people whose credibility is difficult to assess). Sadly, one finds few references to careful, in-depth commentaries on



the subject of the paper, the kind of analysis that requires a book, rather than an article, for its full development.

Don't get me wrong, I'm no neo-Luddite (someone who believes new technology is bad or wrong). I am as enchanted as anyone else is by the potential of this new technology to provide instant information. But too much of what passes for information these days is simply advertising for information. Screen after screen shows you where you can find out more, how you can connect to this place or that. The acts of linking and networking and randomly jumping from here to there become as exciting or rewarding as actually finding anything of intellectual value.

Search Engines, with their half-baked algorithms, are closer to slot machines than to library catalogues. You throw your query to the wind, and who knows what will come back to you? You may get 234,468 supposed references to whatever you want to know. Perhaps one in a thousand might actually help you. But it's easy to be sidetracked or frustrated as you try to go through those Web pages one by one. Unfortunately, they're not arranged in order of importance.

What I'm describing is the hunt-and-peck method of writing a paper. We all know that word processing makes many first drafts look far more polished than they are. If the paper doesn't reach the assigned five pages, readjust the margins, change the font size, and . . . *voila!* Of course, those machinations take up time that the students could have spent revising

the paper. With programs to check one's spelling and grammar now standard features on most computers, one wonders why students make any mistakes at all. But errors are as prevalent as ever, no matter how crisp the typeface. Instead of becoming perfectionists, too many students have become slackers, preferring to let the machine do their work for them.

What the Web adds to the shortcuts made possible by word processing is to make research look too easy. You toss a query to the machine, wait a few minutes, and suddenly a lot of possible sources of information appear on your screen. Instead of books that you have to check out of the library, read carefully, understand, synthesize, and then tactfully excerpt, these sources are quips, blips, pictures, and short summaries that may be downloaded magically to the dorm-room computer screen. Fabulous, How simple! The only problem is that a paper consisting of summaries of summaries is bound to be fragmented and superficial, and to demonstrate more of a random montage than an ability to sustain an argument through 10 to 15 double-spaced pages,

Of course, you can't blame the students for ignoring books. When college libraries are diverting funds from books to computer technology that will be obsolete in two years at most, they send a clear message to students: Don't read, just connect. Surf. Download. Cut and paste. Originality becomes hard to separate from plagiarism if no author is cited on a Web page. Clearly, the words are up for grabs, and students much prefer the fabulous jumble to the hard work of stopping to think and make sense of what they've read.

Libraries used to be repositories of words and ideas. Now they are seen as centers for the retrieval of information. Some of this information comes from other, bigger libraries, in the form of books that can take time to obtain through interlibrary loan. What happens to the many students (some things never change) who scramble to write a paper the night before it's due? The computer screen, the gateway to the world sitting right on their desks, promises instant access—but actually offers only a pale, two-dimensional version of a real library.

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But it's also my fault. I take much of the blame for the decline in quality of student research in my classes. I need to teach students how to read, to take time with language ideas, to work through arguments, to synthesize disparate (different) sources to come up with original thought. I need to help my students understand how to assess sources to determine their credibility, as well as to trust their own ideas more than snippets of thought that materialize on a screen. The placelessness (blamelessness) of the Web leads to an ethereal (intangible or vaporous) randomness of thought. Gone are the pathways of logic and passion, the sense of the progress of an argument. Chance holds sway, and it more often misses than hits. Judgment must be taught, as well as the methods of exploration.

I'm seeing my students' attention spans wane and their ability to reason for themselves decline. I wish that the university's computer system would crash for a day, so that I could encourage them to go outside, sit under a tree, and read a really good book—from start to finish. I'd like them to sit for a while and ponder what it means to live in a world where some things get easier and easier so rapidly that we can hardly keep track of how easy they're getting, while other tasks remain as hard as ever—such as doing research and writing a good paper that teaches the writer something in the process. Knowledge does not emerge in a vacuum, but we do need silence and space for sustained thought. Next semester, I'm going to urge my students to turn off their glowing boxes and think, if only once in a while.

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