Headline Science

" 'Perky Cheerleaders' " by John Crewdson, in Nieman Reports (Winter 1993), Nieman Foundation, Harvard Univ., One Francis Ave., Cambridge, Mass. 02138.

In 1989 the Philadelphia-based Wistar Institute reported in *Science* magazine that multiple sclerosis might be caused by an AIDS-like virus.

News media across the country picked up the story. Neither the Science report nor the news stories it inspired mentioned that essentially the same "finding" had been announced four years earlier in the British journal Nature, and that other laboratories had swiftly thrown cold water on it (just as was to happen with the recycled Science finding). When Wistar a few years later announced that it had linked chronic fatigue syndrome to an AIDS-like virus, once again its "breakthrough" was widely reported—and the subsequent de-

bunking of it by the Centers for Disease Control was widely ignored. The public is ill served by such superficial reporting, says Crewdson, a senior writer for the Chicago Tribune. He contends that science writers all too frequently serve as mindless cheerleaders for the scientists they cover.

Like other journalists, science writers generally prefer stories that are simple and dramatic. Because scientific subjects are so often extremely complicated and technical, science writers are more dependent than other reporters on the people they cover to tell them what the story is. Some researchers are only too happy to give them a "story." In addition, Crewdson writes, "Science writers may be the last innocents. Among journalists they are certainly the last optimists." When a scientist says that he has discovered something big, the science writers usually are eager to believe him.

In the brave new world of Big Science, researchers are highly dependent on favorable publicity, Crewdson observes, and some have become shrewd manipulators of the Fourth Estate. "Whether it comes from the federal treasury or a private foundation, next year's money depends on this year's discoveries." When there are no important discoveries, "non-discoveries and marginal discoveries and problematic discoveries are spiffed up and published in journals like Science and Nature, which [distribute] them to the mass media as energetically as any big-city tabloids competing for circulation."

7,000 Scientists Cheer Fusion-in-Jar Experimenter

By MALCOLM W. BROWNE

Secution below vox Times

DALLAS, April 12 — A Utah scientist received sustained applause from 7,000 chemists today as he described an experiment that he said had produced nuclear fusion in a simple electrolytic cell.

But while most of the scientists attending the national meeting of the American Chemical Society here appeared to accept the interpretation of the results given by the scientist, Dr. B. Staniey Pons, the few physicists expert in fusion who attended the meeting appeared to be skeptical.

It appeared, in fact, that the fusion experiment, carried out at the University of Utah and announced March 2.

Unlike fission, in which as are speriment on resolve. Nuclear fusion is ordinarily studied by physicists, who deal with changes that occur nuclet of atoms. Chemists locally the produced in the produced produced to the produced pr

Reported scientific breakthroughs don't always live up to their billing.

Eager for stories, the science writers go along. In the Wistar case, Crewdson says, not only was the institute's history of dubious discoveries ignored, but reporters "failed to notice that the institute's increasingly desperate publicity grabs paralleled both its worsening financial straits and the . . . struggle of its septuagenarian director to keep his job."

The old view of scientists as disinterested, almost godlike creatures simply won't stand up, Crewdson says. Science writers need to learn a basic journalistic lesson: "If your mother says she loves you, check it out."

Technological Retreat

"Suppressing Innovation: Bell Laboratories and Magnetic Recording" by Mark Clark, in *Technology and Culture* (July 1993), Univ. of Chicago Press, Journals Division, P.O. Box 37005, Chicago, Ill. 60637.

The advance of technology may seem inexorable, but there is no guarantee that consumers will quickly reap the benefits. Sometimes, as with magnetic recording during the 1930s, the