Video Software Dealers Association et al v. Schwarzenegger et al

Case 5:05-cv-04188-RMW Document 83

Filed 04/19/2006

Page 1 of 3

Dockets.Justia.com

I, Ute Ritterfeld, declare:

1

2 1. I received a doctorate in psychology from the University of Magdeburg in 3 Germany in 2004. I am currently Research Associate Professor at the Annenberg School for 4 Communication at the University of Southern California in Los Angeles, California. I am part of 5 a team that received a \$263,000 grant in 2003 from the Annenberg Endowment to study computer 6 games and part of a team that received \$100,000 from the Sunnylands Trust to establish the 7 Annenberg Institute for Youth and Media, and I received a \$17,000 grant in 2005 from the 8 Annenberg Endowment to study computer games. A true and correct copy of my curriculum 9 vitae is attached hereto as Exhibit A. I make this declaration in opposition to plaintiffs' motion 10 for summary judgment. I know the following facts of my own knowledge, and if called as a 11 witness, could testify competently thereto. 12 2. Together with two other researchers, I published an article in the January 13 2006 issue of the journal *Media Psychology* entitled **Does Playing Violent Video Games Induce** 14 Aggression? Empirical Evidence of a Functional Magnetic Resonance Imaging Study 15 (Weber, R.; Ritterfeld, U., and Mathiak, K.). 16 17 3. The article's abstract is as follows: "This study aims to advance the media 18 effects debate concerning violent video games. Meta-analytic reviews reveal a small but

19 noticeable association between playing violent video games and aggressive reactions. However,

20 evidence for causal associations is still rare. In a novel, event-related functional magnetic
21 resonance imaging study, 13 male research participants were observed playing a latest-generation

violent video game. Each participant's game play was recorded and content analyzed on a frame-

by-frame basis. Onscreen activities were coded as either "passive/dead, no interactions";

²⁴ "active/safe, non imminent danger occurs, violent interaction expected"; "active/under attack,

some violent interaction"; and "active/fighting and killing, many violent interactions." Previous

studies in neuroscience on aggressive thoughts and behaviors suggested that virtual violence

27 would suppress affective areas of the anterior cingulated cortex (ACC) and the amygdala

28 subsequent to activity variations at cognitive areas of the ACC. Comparison of game play Case No. C 05 4188 RMW RS

DECLARATION OF UTE RITTERFELD

activities with and without virtual violence in 11 participants confirmed the hypothesis. The
 rather large observed effects can be considered as caused by virtual violence. We discuss the
 applicability of neuroscience methodology in media effects studies, with a special emphasis on
 the assumption of virtuality prevalent in video game play."

5
4. In laymen's terms, the article is summarized in paragraphs 5 through 8
below.

5. 8 This study used an advanced methodology that likely demonstrates a causal 9 relationship between playing violent video games and brain activity during the game play 10 associated with aggression. Participants were put into a functional magnetic resonance imaging 11 (fMRI) scanner where they played the first person shooter game "Tactical Ops: Assault on 12 Terror." When the players engaged in violent actions on the screen, they exhibited changes in 13 brain patterns associated with aggression. When their actions on screen were neutral or non-14 violent, these changes in brain patterns associated with aggression did not present themselves. 15 6. Because the data pit real time brain activity against game play and 16 controlling for arousal, there was little room for confounding variables to have impacted the 17 results. The observed effects reflect brain activity in the moment of the game play. 18 7. 19 Given the high cost of gathering fMRI data, and the ethical concerns of 20 conducting such a study on minors, there were only 13 participants in the study, and their average 21 age was around 23. 22 8. I declare under penalty of perjury under the laws of the State of California 23 that the foregoing is true and correct. Executed on April 18, 2006 at Los Angeles, California. 24 25

Ute Ritterfeld

28 3234/001/X77116.v1

26

27

Case No. C 05 4188 RMW RS

DECLARATION OF UTE RITTERFELD

2.