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"Train a Scribe" card from *Lost & Found*, illustration by Annie Wong and Mimi Ace

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***Global Conflicts*, Episodic Framing and Attitude Change Towards the Israeli-Palestinian Conflict**

Ronit Kampf

Abstract

This study compares the effects of episodic framing of the Checkpoint scenario and the Military Raid scenario in *Global Conflicts* (2010), a computerized simulation of the Israeli-Palestinian conflict, on developing impartial attitudes towards this conflict. The former presents a more human, individual and personal framing of the conflict than does the latter. Two hundred and ten Israeli-Jewish and Palestinian undergraduate students participated in the experiment. They filled in questionnaires measuring attitudes towards the Israeli-Palestinian conflict before and after playing the scenarios. Results suggested that participants playing the Checkpoint scenario became more impartial toward the Israeli-Palestinian conflict, unlike those playing the Military Raid scenario. The results show that computerized simulations of the Israeli-Palestinian conflict can be used for attitude change intervention, but the framing of the story in the game may be crucial in determining whether the players become impartial regarding the situation or not.

Keywords: Episodic Framing, Games for Change, Persuasive Games, Computerized Simulations, Israeli-Palestinian Conflict, Impartial Attitudes

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Introduction

This article compares episodic framing outcomes of the only two scenarios of the Israeli-Palestinian conflict in *Global Conflicts* (GC) (2010) for generating impartial attitudes (i.e., being able to look at the situation through the lenses of both sides). GC is a role-playing computerized simulation of the Israeli-Palestinian conflict (Buch and Egenfeldt-Nielsen 2007). In GC a player assumes the role of a Western reporter arriving in Jerusalem to put together a news report about the situation after

interviewing Israeli and Palestinian characters in the conflict. The Checkpoint scenario takes place at an Israeli checkpoint in East Jerusalem where both Israeli soldiers and Palestinian people feel stressed regarding their security and suffer from their impossible situation in the conflict. The Military Raid scenario takes place in a small Palestinian village in the Western Bank where Israeli soldiers conduct a violent raid to arrest a group of Palestinians accused of committing violent actions against Israelis in West Jerusalem.

Episodic framing is used in the context of media reporting. This framing offers human interest and individual and personal elements of a specific case story (Iyengar 1991; further elaborated in the next sections). This framing strategy was selected because (a) it may indicate the differences between the only two scenarios in GC by examining the extent of the scenario presented in personal, individual and human interest terms, and (b) as mentioned earlier, this game focuses on news reporting by asking the player to produce a news report for different newspapers based on the interviews she conducts with various Israeli and Palestinian characters in the assignment.

Using the two scenarios in GC, an experiment was conducted among Israeli-Jewish and Palestinian undergraduate students, who are directly involved parties to the conflict with political positions that are rigid, entrenched, and characterized by strong ideological, cultural and religious considerations which are more resistant to change (e.g., Alon and Bar-Tal 2016, Eagly and Chaiken 1998, Reiter 2017). Therefore, it should be interesting to examine under what conditions (i.e., the extent of the scenario presented in episodic and human interest terms) the two scenarios in GC can serve as effective attitude change interventions for young people on this divide with strong and ethnocentric attitudes (i.e., being able to look at the situation only

through the lens of one's own side) toward the issues.

The present study compares the extent of episodic and human interest framing of the only two scenarios of the Israeli-Palestinian conflict in GC. This comparison can indicate which of the two scenarios can facilitate changes in attitudes towards the situation. In fact, previous studies have only examined attitude outcomes of the Checkpoint scenario (e.g., Cuhadar and Kampf 2015, Kampf and Cuhadar 2015) without conducting a comparative study including the Military Raid scenario. As mentioned earlier, GC is a role-playing computerized simulation of the Israeli-Palestinian conflict which is seen as an especially preferable method for generating new insight, empathy, and impartial attitudes (Baylouny 2009, Williams 2006). Yet there are some differences between the two scenarios in terms of the extent of episodic and human interest framing of the story in the game which may impact their attitude outcomes, as detailed in the next sections. In addition, this study examines whether young Israeli-Jewish and Palestinian people on the Middle Eastern divide relate similarly to the two scenarios in GC, because we know very little about whether different cultural and religious groups, particularly directly involved parties to the conflict, relate similarly to the same situation.

Literature Review

Computer Games: From Learning to Persuasion

Currently more popular than Hollywood movies, computer games have become influential tools of entertainment (Squire 2003, Tawil-Souri 2007). The computer, video and online game industry is thought to be one of the most profitable in the USA and worldwide. A vast majority of teenagers (97%), more than three-quarters of college students, and over half of adults reported playing computer, video or online

the conflict.

Smith and Just (2009) agree with Bogost's (2007) claims that some sort of persuasion takes place when playing certain types of computer and video games, yet they call for a more analytical and rhetorical look at this medium. They argue that computer games vary in the level of persuasion due to three factors: message autonomy, integration, and goal. Furthermore, the level of persuasion depends on the extent to which a computer game contains these three factors. Below, this study describes GC, the computer game used here, in terms of these three factors.

- **Autonomy.** In GC, players choose the newspaper they wish to represent (Israeli, Palestinian or Western) and the quotes from the interviews they conducted that best reflect their response to in-game events. Players must make decisions in order to respond to these events, which are taken from real-life events in the conflict. According to Smith and Just (2009), autonomy deals with the level of explicit arguments presented within the game. While a low-autonomy game presents players with more arguments than a high-autonomy game, high-autonomy games are thought to elicit more deliberation, leading to greater persuasion. This study argues that GC is high on autonomy because it is based on responding to in-game events rather than evaluating persuasive arguments.
- **Integration.** Integration is the extent to which an object of persuasion (i.e., a product or brand) is embedded in the game design and content. From a traditional marketing perspective, GC does not have an object of persuasion per se. However, the object of the game—learning about the Israeli-Palestinian conflict—is thoroughly embedded in all game-play aspects, which this study argues makes this game an example of high integration.
- **Overlap.** Finally, Smith and Just (2009) argue that the level of overlap between the game's goal and its learning goal influences the level of persuasion. Games

with high overlap force players to elaborate on the game's learning objectives in order to perform well. This study argues that there is a high level of overlap between the game and learning goals in GC. Players in GC are scored according to ratings from different sides and need to establish good relations with both their own and the opposing side. In order to perform well, the player needs to learn which quotes to select in order to establish good relations with different sides in the conflict. For example, if a player representing an Israeli newspaper selects quotes that enhance only the Israeli side, then the resulting score would be low, as opposed to selecting quotes reflecting an understanding of both sides' objectives.

Based on Smith and Just's (2009) discussion of autonomy, integration and goal overlap, the current study classifies GC as a persuasive game. In fact, previous studies have indicated that GC can generate changes in attitudes towards the Israeli-Palestinian situation, even among Israeli-Jewish and Palestinian young people with strong and ethnocentric attitudes toward the situation (Cuhadar and Kampf 2015, Kampf and Cuhadar 2015). However, these studies focused on the Checkpoint scenario, and possible differences in episodic and human interest framing between this scenario and the Military Raid scenario in GC may make for distinguishable changes in their attitude outcomes (i.e., impartial attitudes) as illustrated in the next sub-section.

Episodic Framing: The Checkpoint Scenario vs. the Military Raid Scenario

According to Gamson and Modigliani (1987), a frame is "a central organizing idea or story line that provides meaning to an unfolding strip of events weaving a connection among them. The frame suggests what the controversy is about, the essence of the issue" (143). Numerous studies have shown that the particular frame

Research Hypotheses

H1: Participants playing GC will become more impartial towards the conflict than those who do not play the game.

H1a: Participants playing the Checkpoint scenario will become more impartial toward the Israeli-Palestinian conflict than those playing the Military Raid scenario.

H2: Israeli-Jewish participants playing the Checkpoint scenario in GC will become more impartial regarding the conflict compared to Palestinian participants playing it.

Methods

Participants

Two hundred and ten Israeli-Jewish and Palestinian undergraduate students from the Schools of Education in Tel-Aviv University and Al-Quds University participated in the experiment. Eighty participants played the Checkpoint scenario, including 50 Israeli-Jewish students and 30 Palestinian students. Seventy participants played the Military Raid scenario, including 40 Israeli students of Jewish origin and 30 Palestinian students. Sixty participants did not play the scenarios, including 30 Israeli-Jewish students and 30 Palestinian students.

Table 1 suggests that participants who played the Checkpoint scenario, the Military Raid scenario or neither did not differ in key characteristics that could provide alternative explanations for the results. A one-way ANOVA with scenario type as a between-subjects factor and political attitudes as a within-subjects factor suggested insignificant differences between the three groups in political attitudes ($F(1, 203) = .37, p = n.s.$).

Palestinians in Israel identify themselves as Israeli by citizenship and Palestinian by nationality (Ghanem 2001, Jamal 2007). The identification of Palestinians in Israel with Palestinians in the West Bank and the Gaza Strip is reflected in their language, religion, and culture, as well as in their negative attitude towards Israeli policy toward Palestinians in the West Bank and the Gaza Strip. In addition, previous studies conducted with computerized simulations of the Israeli-Palestinian conflict, such as GC and *PeaceMaker*, suggested insignificant differences between Israelis of Palestinian origin and Palestinians from the Palestinian territories in terms of attitude change and perspective taking regarding the conflict (Cuhadar and Kampf 2014, Kampf and Cuhadar, 2015).

After playing the two scenarios in random order, the participants were asked to evaluate the degree to which the framing of the situation was human, individual and personal on a six-point scale, with 1 representing not at all human, individual and personal and with 6 representing very much human, individual and personal. Results suggested that the Checkpoint scenario was perceived as framing the situation in more personal, individual and human terms than the Military Raid scenario ($M=4.8$, $SD=0.8$; $M=2.3$, $SD=0.56$; $F(1, 79)=91.8$, $p<.001$). Insignificant differences were found in terms of nationality and scenario order in the evaluation of the two scenarios.

In order to validate that the Checkpoint scenario and the Military Raid scenario are not perceived significantly differently from the content perspective (i.e., violent actions vs. security concerns), 40 Israeli students of Jewish origin and 30 Israeli students of Palestinian origin from the department of political science at Tel Aviv University were asked to play the two scenarios in random order.

After playing the two scenarios in random order, the participants were asked to

evaluate the degree to which the scenario focuses on violent actions from the content perspective on a six-point scale, with 1 representing "not at all" and with 6 representing "very much." They were also asked to evaluate the degree to which the scenario focuses on security concerns from the content perspective on the same six-point scale. The two questions were presented in random order. Results suggested insignificant differences between the Checkpoint scenario and the Military Raid scenario from the content perspective (Security concerns $M=3.6$, $SD=0.7$; $M=3.45$, $SD=0.8$; $F(1, 69)=.05$, n.s.; Violent actions $M=3.5$, $SD=0.9$; $M=3.65$, $SD=0.83$; $F(1, 69)=.08$ n.s.). Insignificant differences were found in terms of nationality, scenario order and questions order in the evaluation of the two scenarios.

In addition, the participants were asked at the game's end why the Checkpoint scenario may have produced more impartial attitudes than the Military Raid, and what should be done regarding the latter to produce more impartial attitudes. The results regarding the Checkpoint scenario indicate that (a) 90% of the participants mentioned human interest and personal elements, (b) 30% of the participants mentioned victim elements, (c) 15% of the participants mentioned presenting both sides in the conflict in an equal manner, and (d) 10% of the participants mentioned security concerns. The results regarding changes in the Military Raid scenario showed that (a) 95% of the participants mentioned adding human interest and personal elements, (b) 25% of the participants mentioned adding victim elements, (c) 15% of the participants suggested decreasing aggressive elements, and (d) 10% of the participants suggested adding more security concerns.

Design and Procedure

The experiment was conducted as part of classes in qualitative research methods and participants were randomly divided to play one of the two scenarios (i.e.,

experimental group) or to not play either (i.e., control group). The participants received credit for their participation in the study. The data were collected in the last week of May 2016. No major event happened during this period that could provide an alternative explanation for the results.

The experimental condition took up to three hours and included four parts. First, the URL of the study was provided to the participants. When they opened the URL, they were introduced to the GC game and played a short demo not related to the conflict. Second, they filled in a short questionnaire administered online before playing the scenarios in GC. Third, participants played either the Checkpoint scenario or the Military Raid scenario in GC, randomly assigned by the study website. They were instructed that their task was to write a news report for a Western newspaper based on the interviews they conduct with various Israeli and Palestinian characters in the scenario. In the Checkpoint scenario, the participants were asked to write a news report describing life at a checkpoint in the Palestinian territories from the perspective of both Israeli soldiers and Palestinian civilians, while in the Military Raid scenario, they were asked to write a news report describing this raid from the perspective of both Israeli and Palestinian characters participating in it. The game also provides the options to write a news report for an Israeli or a Palestinian newspaper. This study preferred a Western newspaper over an Israeli or a Palestinian newspaper, because the former is considered a more neutral assignment for both Israeli-Jewish and Palestinian participants compared to the latter two because it involves trying to examine the situation from both Israeli and Palestinian perspectives. Finally, after playing the scenario, the participants again filled in a short questionnaire administered online. The questionnaire used before and after the scenario was almost identical in content with the exception of a few additional questions in the post-scenario questionnaire concerning participants' experience

with the game.

The control condition included three parts and took up to three hours. First, the URL of the study was provided to the participants. When they opened the URL, they filled in a short questionnaire. They were then given an online lecture about unobtrusive measures of studying political attitudes of young people (related to the class in qualitative research methods from which they were recruited, but not related to the conflict). Finally, they again filled in a short questionnaire administered online. The two questionnaires were identical in content and similar to those used in the experimental condition of the two scenarios (besides questions concerning participants' experience with the game).

Instruments

In order to assess impartial attitudes in the conflict, the study used a measure focusing on long-lasting historical issues in the conflict, examining the degree of 'rightness' of each side regarding key historical and political issues in the conflict including water, refugees, borders, settlements, Jerusalem, and security, using the following scale: 1. Palestinians are absolutely right, 2. Palestinians are somewhat right, 3. Both sides are equally right, 4. Israelis are somewhat right, and 5. Israelis are absolutely right. The end categories of this scale indicate more ethnocentric attitudes towards the conflict, while the middle category indicates more impartial attitudes towards the conflict. In order to measure impartiality and ethnocentricity in this study, the data was transformed by measuring the distance to the middle-point which represents impartiality. A larger distance indicates less impartial attitudes (i.e., more ethnocentric attitudes) and a smaller distance indicates more impartial attitudes.

Results

Scenario type and impartial attitudes toward key issues in the Israeli-Palestinian conflict

Results suggested that the main effect of time on impartial attitudes towards key issues in the conflict was insignificant ($F(1, 202)=0.23, p=n.s.$). The interaction between time and scenario type was significant, suggesting that the three groups differed in impartial attitudes towards key issues in the conflict ($F(2, 202)=17.6, \eta^2=.18, p<.001$). The interaction between time and nationality was significant, suggesting that Israeli-Jewish and Palestinian participants differed in impartial attitudes towards key issues in the conflict ($F(1, 202)=10.21, \eta^2=0.04, p<.05$). The interaction between time, nationality and scenario type was significant, suggesting that Israeli-Jewish and Palestinian participants differed in impartial attitudes towards key issues in the conflict in the three groups ($F(2, 202) = 6.54, \eta^2 = .04, p < .05$).

Tests of between-subjects effects suggested significant results for nationality ($F(1, 202)=2.69, \eta^2=0.09, p<.0001$) and scenario type ($F(2, 202)=.662, \eta^2=0.03, p<.0001$).

Table 2 suggests that before playing the game, Israeli-Jewish and Palestinian participants were less close to the middle-point of impartiality regarding key historical issues in the conflict (i.e., more ethnocentric attitudes). Second, participants playing the Checkpoint scenario got closer to the middle-point of impartiality regarding key historical issues in the conflict after playing this scenario, unlike those playing the Military Raid scenario and those not playing either. Third, Israeli-Jewish participants playing the Checkpoint scenario got closer to the middle-point of impartiality regarding key historical issues in the conflict than did Palestinian participants playing this scenario. Finally, during the same time, no change in attitudes towards key issues in the conflict was found in the control group, and they

retained more ethnocentric attitudes toward the conflict (i.e., larger distance from the middle-point of impartiality).

	Key Issues Before M(SD)	Key Issues After M(SD)
Checkpoint scenario		
Israeli-Jews	1.74 (.16)	1.05* (.02)
Palestinians	1.75 (.23)	1.31* (.28)
Military Raid scenario		
Israeli-Jews	1.79 (.49)	1.53 (.25)
Palestinians	1.62 (.35)	1.41 (.28)
No Scenario		
Israeli-Jews	1.70 (.16)	1.60 (.29)
Palestinians	(.29)	1.67 (.31)
	1.71 (.25)	

* $p < .05$

Table 2. Descriptive statistics of scenario type and nationality effects on impartial attitudes toward the Israeli-Palestinian conflict.

A Bonferroni test (Table 3) suggests significant effects in attitude outcomes for participants playing the Checkpoint scenario unlike those playing the Military Raid scenario and those not playing either, shifting to look at key historical issues in the conflict through the lenses of more impartial attitudes (as Table 2 indicated).

Therefore, hypothesis 1 is partially confirmed and hypothesis 1.1 is confirmed. Table 3 also shows stronger effects in attitude outcomes for Israeli-Jewish participants playing the Checkpoint scenario than Palestinian participants playing it, shifting to look at key historical issues in the conflict through the lenses of more impartial attitudes (as Table 2 indicated). Therefore, hypothesis 2 is confirmed.

outcomes in this study, developing more impartial attitudes towards the conflict after playing the Checkpoint scenario.

Theoretical, Empirical and Practical Implications

The current study provides new insights to the study of computer game effects. While much previous research focused on the effects of violent computer games (e.g., Anderson 2004), the current results illustrate that playing role-play computer games that include episodic and human interest elements can lead to positive changes in attitudes toward a situation. More specifically, the results indicate that a short period of playing the Checkpoint scenario in GC was sufficient to induce changes to the cognitive structures guiding the situation. Indeed, this finding is limited to the short-term effects, as the measures were employed right after the game-play experience. Future research should explore the long-term effects of such games on attitude and behavior changes. The results can shed light on potential positive media effects on individuals' attitudes and behaviors.

This study suggests that the framing of the story in the game may be a factor that influences the success of computerized simulations in changing strong beliefs and attitudes of direct parties to the conflict. It suggests that in order to improve the results, the story should be framed in episodic terms focusing on personal, individual and human interest representation of particular cases of individuals on both sides of the divide. Additional future study should continue analyzing the impact of framing on attitude outcomes in computerized simulations of protracted and intractable conflicts like the Israeli-Palestinian situation.

The current findings strongly establish the Checkpoint scenario in GC as an efficacious intervention for countering ethnocentric and stereotypic attitudes in

Israeli-Jewish and Palestinian young people. The study's findings strongly support the use of such a game-based intervention approach when designing programs for reducing ethnocentric and stereotypic attitudes in intractable conflicts like the Israeli-Palestinian situation. Given that positive attitude outcomes were obtained after such a short and minimal intervention, game-based interventions like the Checkpoint scenario could be a relevant tool for reducing stereotypic and ethnocentric tendencies among youth who live in areas affected by war, conflict and ethno-political tension.

The current study's theoretical findings are applicable to various fields, such as communication, education, political science, game design and conflict resolution. The study shows that new media, specifically persuasive computer games, are capable of inducing changes in attitudes towards complex situations like the Israeli-Palestinian conflict, as well as promoting and educating the younger generations about peace and informing them about the situation and the world around them, transcending existing attitudes and stereotypes. While face-to-face interaction is limited and precluded in the context of the Israeli-Palestinian conflict, computer-mediated communication, much like playing the Checkpoint scenario in GC, has the potential of facilitating conflict resolution beyond existing sociopolitical norms (Kampf 2011, Walther 2009). Also, additional delayed measures of attitude outcomes might be useful in illustrating long-term behavioral changes and not only immediate attitudinal changes.

Limitations

Though very promising, the study's findings should be considered with caution and interpreted in light of the following limitations. First, future research should more directly examine the effects of the same scenario presented in more or less episodic

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