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Who Really Said What? Mobile Historical Situated Documentary as Liminal Learning Space

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Novigrad in the evening sun. *The Witcher 3: The Wild Hunt* (CD Project Red 2015)

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Special Issue

Gamevironments of the Past.

by

Derek Fewster and Ylva Grufstedt

journalism, as a medium, has long been aware of the constructed nature of its form, as well as the search for poetics rather than truth claims. It is this aspect of the documentary form that may be the most important in considering the contemporary teaching of history in interactive media.

Learning History with Mobile Games

There are a number of ways to approach the teaching of history, one of which is through the discipline of the historian (Brush and Saye 2008, Gee 2007, Squire and Barab 2004, Schrier 2014, Wineburg 2001). Learners are placed in the role of examining primary sources, evaluating various possible interpretations as well as narrative constructions. History is taught as an investigative process as opposed to the imbibing of a set of dates or a single interpretation. They are taught how to construct arguments, weigh perspectives, and give fair hearing to opposing perspectives. Just as history education with documentaries requires the additional step of examining the constructed nature of the documentary form, an interrogation of the means of production, selection, choices, sources, techniques of persuasion (Marcus and Stoddard 2009, Stoddard 2009, Stoddard 2010) the interactive situated documentary likewise calls to those who play within it to consider the means by which the documentary hails its players. This may be an easier task for educators and designers to embark upon given the strange combination of fiction and non-fiction that an interactive game demands. Video games require input from players and players require feedback from games. And so a straight ahead historical narrative, unaffected by player choices lacks the necessary engaging qualities to make the piece a viable game or simulation. Interactivity requires participation of a very different order than, say a cinematic presentation, which one could argue, requires simply attention.

In order to begin considering the kinds of mobile history games that would allow for participation, we can look to the styles initiated by Karen Schrier in *Reliving the Revolution* (2005), developed further by Jim Mathews in *Dow Day* (2005) (Mathews 2009, Mathews and Squire 2009), and further developed in my game, *Jewish Time Jump: New York* (2013) (Gottlieb 2014, Gottlieb 2015). These situated documentaries place the player in the position of historian or reporter, placing the player, on location of the original historic sites, as an observer, witness, and investigator. While the timeline does not change, the various perspectives of historical figures do vary. In *Reliving the Revolution* (Schrier 2005), there are varying accounts of the Battle of Lexington to uncover, discover, and then decisions to make about those accounts. In *Dow Day*, set on the University of Wisconsin Madison campus in 1967, there are protesters against Dow Chemical, police, by-standers, and faculty members as the player works as a reporter to gather the story. In *Jewish Time Jump: New York*, players take on the role of journalists in Washington Square Park, but this time, jumping back in time to Greenwich Village, New York in 1909. A more detailed description of the game follows in the next section.

The position of player as investigator, charged with the quest of researching, learning, and coming to a contextualized understanding can allow for the historical data to remain while participation occurs in the parsing of that data. This can solve the issue of how a game or simulation could maintain a non-fiction record of the past, while requiring participation and interactivity. The agentic position for the player is distinct from a purely fictional game or other narrative, which may place a player/reader in a well-researched historical setting, though not connecting player inquiry into non-fiction elements to progress in the game.

and post-surveys, and semi-structured interviews. I analyzed the data and returned to the field over the course of a number of iterations, and worked to move closer and closer to the educational goals, including specific civic and democratic educational outcomes, including providing a best case, fair hearing for alternative perspectives (Gottlieb 2015).

Jewish Time Jump: New York is a mobile augmented reality history game and simulation for iOS devices (iPhones and iPads). In the game, fifth to seventh graders and sometimes their families play reporters for the fictional *Jewish Time Jump Gazette*, sent back in time to recover a story lost in time. Players land in 1911 on the eve of the Uprising of 20,000, the largest women-led strike in US History, when garment workers took to the streets to fight for better working conditions. Players have to gather perspectives from various digital characters including young Jewish women labor organizers, manufacturers, and others including Irish and Italian immigrants in Greenwich Village.

Players pick up various primary historical sources in their digital inventory: newspapers, strike flyers, ephemera and see photography based on their GPS location from over 100 years in the past. Because players can change the player-character's garb back and forth during the game to blend in with those they are trying to meet, they might get mistaken for strikers and be set upon by *shtarkers*, tough guys, hired by shop owners to rough up strikers who can take away health points. Players meet manufactures concerned about competition, manufactures who themselves had been immigrants just a few years before, manufacturers who had come up through the worst of sweatshops and build new factories with the latest technology.

historical fiction can deeply engage learners.

An additional level of characters in the game are amalgam characters (denoted by a single name when the character first encounters them). These include Maria, an Italian woman character who speaks Italian, English, and Yiddish – such women were key to organizers bringing together coalitions. Biff is a *shtarker*, based on a number of boxers, thugs, and tough guys hired to beat strikers. There is also a “Tammany Cop,” who might threaten to throw the player into jail. Catherine, an Irish Worker laments her family not wanting her to strike despite working conditions she cannot bear (Catherine is drawn from sources including Theresa Malkiel’s autobiographic historical fiction of the strike, Malkiel 1990). Again, these are techniques of historical fiction.

But beyond historical fiction, *Jewish Time Jump: New York* includes and requires the examination of numerous primary sources: newspapers in English and Yiddish (with translation into English), ephemera such as a strike flyer, and dozens of photographs from the historic events. The whole game is played on location in Washington Square Park and at the Brown Building, one block away, where the Triangle Shirtwaist Fire occurred.

The game is not only an interactive historical fiction, but playtime can dilate around the primary sources. Some students will read an entire newspaper page from 1909 (students can self-pace during the game, within bounds set by the group leaders). Learners can pinch and zoom photographs and are encouraged to do so to find details within the photographs.

In addition to the primary sources within the game, the narrative and the events in the game are all drawn from a variety of secondary source material written by a

variety of scholars including Diner (2011), Orleck (1995), and Greenwald (2005). Most importantly, the key tasks of the players are to seek out, learn, and evaluate a variety of characters' perspectives.

Opportunities to push the Historical Documentary Form with Situated Games

History documentaries often re-enact, but seldom use alternative genre fiction as part of their form. We may consider the works of Ken Burns (*The Civil War* 1990, *Baseball* 1994, *Jazz* 2001, *Jackie Robinson* 2016). In many of Burns' films, professional actors read letters and quotes from historic figures no longer living. These actors provide a living voice where no voice was ever recorded or remains. Here this dramatic license maintains the text of the primary source, even as it imbues the source with a new tone.

Werner Herzog pushes the form in other kinds of directions. In *Little Dieter Needs to Fly*, Herzog takes a Vietnam veteran and pilot who had been a prisoner of war back into a jungle, decades later, to re-enact his capture. The viewer learns of history from the subject, but in a self-re-enactment, and as mentioned above, Herzog also fabricates when it is not necessarily obvious to the viewer. While the re-enactment of Dieter Dengler's capture in the jungle is obvious, the little detail of how Dengler opens and re-opens the door to his home, Herzog revealed in conversation outside the body of the film - was something he fabricated. Herzog discussed this at a question and answer session following a screening of the film at the Telluride Film Festival (Hezog 1997). This fabrication is only known to those to whom Herzog spoke, those they tell, or if at some point he decides to document that fabrication (no director's commentary appears on the DVD of the film). But Herzog often talks about various fabrications. It seems as though Herzog places his fabrications in spaces of

his films that are less critical to a primary non-fiction narrative. In *Cave of Forgotten Dreams* (2010) amid travels into caverns to give cinematic witness to 32,000-year-old cave paintings in France, Herzog sprinkles fanciful tales of modern day irradiated reptiles, and a modern day man acting as if he were a caveman. Moments of testimony from scientists contrast with poetic weirdness. There is a tension between these moments in which a viewer must ask “Is this real? Is that real? That can’t be real. That must be real.” Amid the poetic fascination, history emerges with fuzzy boundaries, along with pleasure, fascination, and poetry.

Marcus and Stoddard’s work on the constructed nature of the documentary narrative is important for approaching the question of the documentary and history education. (Marcus and Stoddard 2009, Stoddard 2009, Stoddard, 2010). They point out that the ability to critically evaluate documentary material is an important aspect of a justice-oriented civic education. Understanding the rhetoric of constructing historical narratives is key to developing an ability to evaluate evidence and claims. Marcus and Stoddard are not explicitly discussing Herzog’s work that I mention above. Herzog’s work is challenging. It pushes the boundaries of the documentary form further than most other artist/historians. I believe it is at the intersection of Marcus and Stoddard’s need for those learning history to interrogate the form of the documentary, and the highly defiant and complex forms that Herzog brings to bear on historical events that brings into relief the possibilities of the situated documentary game form for teaching history.

Because of the active role of the player and the nature of the devices and time used, the situated documentary game can provide both the blurring opportunities and the evidentiary analysis possibilities previously unavailable. Non-historical fiction can be used to *frame* a history narrative. It could also be *melled* with the narrative. Embedded within a fantasy story can be actual historical artifacts for players to

explore. The demands of historical investigation could be used to unlock fictive levels. There are a variety of paths that designers could take. Key is promoting the ability to evaluate evidence and claims. These techniques could also be taught in fictive scenarios and then re-applied in non-fiction scenarios.

To consider this fictive end of the spectrum, an interesting example of disciplinary instruction can be found in Stanislaw Lem’s novel *Solaris* (Lem 1961/2016). The novel includes passages in which the protagonist, a space travelling scientist, searches through books on a space station library, following indices and footnotes from volume to volume desperately searching for answers. Such a passage shows the steps of scholarly investigation, albeit in a fictionalized and dramatically heightened circumstance. And so the process of historical evaluation could just as easily be taught inside of a fictive or dramatic environment. Games are rule-based systems with player objectives. Because of the nature of a game, the necessity of the goal or quest can demand disciplinary thinking (Barab, Ingram-Goble and Scott 2009). Historical thinking and even critical evaluation of historical or documentary narratives need not require that which is being evaluated to be non-fiction. This is the essence of simulations used for training and practice used in the process of the training reflective practitioners (Schön 1987/2009).

There is great opportunity in the situated documentary form to embed primary source material in any combination of fiction, historical fiction, narratives. This raises a responsibility for educators, because as Levstik and Barton point out, facilitation by an educator is critical. While a film or game can hint at the divisions between fiction and non-fiction, or by blurring the boundaries call for investigation, those formally providing social studies education will have to continue to follow through on challenging learners to investigate claims and learn the methodologies to discriminate and weigh evidence.

nature of the history narratives they design or co-design with learners? One approach is to use self-reflexivity, to point out the means of production. In *Jewish Time Jump: New York*, there is a late stage reveal that shows players that the kinds of labor disputes that women and men faced at the beginning of the 20th century have echoes in the present day. Players learn that their devices are also the site of labor dispute, learning of the Foxconn factories where Apple devices are produced, the calls for reforms, and actions that Apple took to improve working conditions. Also, the very obvious science fiction wrapper story is an opportunity for educators, learners, and families to discuss how one can evaluate what is fiction and what is non-fiction? But how might we push this even further in the situated documentaries to come?

One path is of course, to encourage learners themselves to design their own situated documentaries and to work with them in the decision making process. Other possibilities for future designs could be including a section of the game that is self-referential to the ways the game is produced, for example, showing a video clip of the process of writing dialogue, choosing various photographs. This is akin to the practice now used in museums, demonstrating to visitors some of the ways in which the curation of an exhibit was conducted. Yet another possibility would be to build into the game mechanics (those actions types that players perform throughout the game to achieve their game goals) an objective of sorting the kinds of data players encounter, and teaching differences between primary, secondary sources, historic fiction, and other forms of storytelling. Balancing the immersive nature of the story with an analysis of the means of production of that narrative also suggests that the processes might work best if separated temporally. It would likely be quite difficult to engross in the story while deconstructing its form. For situated documentaries intended to teach history there is the opportunity to deeply engage. At the same time, there is an opportunity to use the medium's unique ability to straddle

document and artifact analysis with a mix of fictions and non-fictions to highlight the production of the historic narratives in the game itself. The specific means of balancing those opportunities is the task for educators and designs to explore together as the medium develops further.

Conclusion

The mobile situated documentary form, interactive games and simulations played on historical sites are a relatively new form. Because they allow for examination of primary sources and a mix of historical fiction, even when telling the story from the perspective of an investigator examining different perspectives, they can be a medium that provides a unique mix of historical fiction, actual primary source material, and even fiction elements in the narrative. While documentary since its earliest stages have involved fabrications, and the contemporary form of the documentary includes fictions as part of its poetics, there appear to be opportunities for education in the newer form because of the flexibility of exploring different means of narrative expression, raising the question about the nature of different elements of the situated documentary. Some elements, such as clearly fictive wrappers can signal to the learner/player to consider the constructed nature of documentaries.

Some will question the danger of the genre of the situated documentary, as it blurs the line between that which is fiction and that which is history. I would argue the blurred line is itself important as students come to understand the constructed nature of historical narratives. They will have to judge the veracity of sources and documents and make distinctions between what is actual and what is constructed, and as news morphs into infotainment and photographs are increasingly manipulated, perhaps it is the historical narrative with fiction elements and primary

source material that provides the best medium in which to test learners' ability to judge evidence, be skeptical, and come to understand the means of production of historical narratives. This will need to be scaffolded by educators, even for young learners, and those educators who pick up these kinds of narratives will need to stress these questions – but doing so can make for rich inquiry and historical learning. The situated documentary, as a medium, in this way could help learners understand the careful and important work of decoding history.

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ⁱⁱ While a Ph.D. Candidate, my teachers, historians Robert Chazan, Benjamin Jacobs, and Jonathan Krasner pushed me to address this intersection. Their challenge and encouragement led to a discussion in my dissertation which is the kernel that I have significantly expanded for this article.