

"[...] so the child composes into the picture." -A glimpse into the world of children's books, Walter Benjamin (1926)

Bloom spaces are everywhere. You can start anywhere. The etching of the refrain can show up in the mundane and the material process of solving problems. The hinge between the actual and the potential can pop up as an object out of place, the sense of an absent-presence, a road block, a sticking point, or a barely audible whispering that something's up in the neighborhood. -"Afterword: Worlding refrains," Kathleen Stewart (2010)

Introduction

While many have predicted the death of the book in the digital age, such a demise has yet to occur. Instead, we see inventive new fusions of the digital and physical, as with interactive Augmented Reality (AR) books. Walter Benjamin's essay "A Glimpse into the World of Children's Books" can be seen as a prescient description of the interactive AR reader in the postdigital age (Holloway-Attaway & Rouse, 2018). Benjamin describes the alchemical, relationship between image, text, story, and the child reader who "overcomes the illusory

it is most productive to look at any given moment erary representation depends" (p. 186). Here the media (like books, but not limited to them alone) is of layered, cross-mimicry (reader as receptive permetic communication' (Gibbs, 2010). Not limited to which Anna Gibbs calls a kind of a-subjective 'mitween the reader and multi-sensory text casts the barrier of the book's surface and passes through Or—perhaps more difficult—to learn how to osciltheory may then be to know through which optic er/book intra-subjectivities and offers new sites for may allow us to see beyond subject/object, readrality of domains" (p. 187). This state, Gibbs claims, can be viscerally bonded in a more complex "pluby the book's content, instead the reader and book where a reader teels stimulated to teel something book. Surpassing a state of emotional connection, book may live as the reader, and the reader as the both voluntary and involuntary and upon which litfounded on "corporeally based forms of imitation mesis' that passes between and among bodies and derstanding. For Gibbs, this kind of intra-active 'mitional affect, beyond pure human cognition or unand reader's desires) creates a state of deep emoformer of book content/book as performer of reader human form, or even animal, this non-human kind deep communication may be characterized as that where the reader and text come together as allies in place" for herself (p. 227). This kind of role-playing over the pictures of the book, until she knows them enter a stage on which the fairy tale lives" (p. 226) colored textures and brightly painted partitions to late between these views" (p. 187). ileging one view over another, the task of [affect] new theoretical considerations: "[R]ather than priv-"like [her] own pockets," marking out a "personal reader as a "theatre director" who repeatedly pores This performative and affective relationship be-



a place where connections form between a host of it won't. For us, this is a site of simmering worlding, sits poised for something to happen, or hopes that ty for connection, if it can be activated. Kathleen body and media/body in oscillation in a shared and shifts 'optical' perspectives and keeps the reader/ in Simmer we work to create an experience that we include in the media (technical and material), al connection with the characters and situations its readership. Beyond creating a state of emotionin Simmer, our Augmented Reality (AR) artist book promissory note" (p. 402) and a world where one fect-filled site full of now and future possibilities, a Stewart defines this as a 'bloom space,' an afspace where something might grow--a potentialicooperative performance space. This is an organic to engage readers in an affective relationship with that uses a host of material and visceral affordances This state of oscillation is at the heart of our work

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Simmer draws on a long tradition of readers doing other things with books that spans from medieval maniculae to the contemporary artist book tradition (Drucker, 2004). These flexible and dynamic forms include hybrid digital/physical books that push the boundaries between book as text, object, game, theatre, and technology. Extending the analysis of the first AR books (Billinghurst et al., 2001) and contemporary handwritten inscriptions in e-books (Hamilton et al., 2019), in this reflection, we foreground our experience as designers creating/exhibiting Simmer as a kind of intra-subjective bloom space for initiating mimetic connections between

Padgett. Working as a form of intra-textual and intra-subjective negotiation *Simmer* explores and expands John Cheever's classic short story, "The Swimmer" (1964) and the 1968 surreal dramatic film (*The Swimmer*, Dir. Perry) based on the Cheever story. While Cheever's landmark story and the Perry film craft an expert and detailed portrayal of its narcissistic protagonist Ned Merrill, comparatively Ned's wife (Lucinda) and four unnamed daughters are left unexplored. The women serve only as a backdrop for Ned's dark reflections on 1960's suburban marriage and family, and they are literally streamed through his consciousness and memory in a series of surreal flashbacks. Although this narrow focus on Ned's experience is arguably

More than a re-telling of the story in an AR 'pop-up' book form, our aim is to create disruptive surfaces that communicate human emotional complexity by the multiplication for potential encounters.

readers and media. As such we deepen the possibilities for emotional connections to book technologies and mix forms, genres, history, and agency as we explore the complex, negotiated, affective relationships between book, text, technology, and reader in the postdigital age.

Simmer: Designing and Augmenting Affective Reading Experiences

Simmer (2019), is an entirely handmade two-sided artist book and AR (augmented reality) application created in collaboration with composer Brendan

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appropriate for Cheever's dark, psychological text, the absence of women and female perspectives also serve as an invitation to explore the ways in which the emotional violence and pain wrought by a dominating and narcissistic husband and father (Ned) resonate through the family. Filtered through the male gaze in the book and film, the women are silenced and frozen, and in our work we enervate and animate them through a process of mimetic synchrony: That is we communicate their presence through the layers of storied materials and technical affordances: through 2D linear maps and 3D domestic (Dollhouse) space, through paper doll representations, musical and audio overlays,

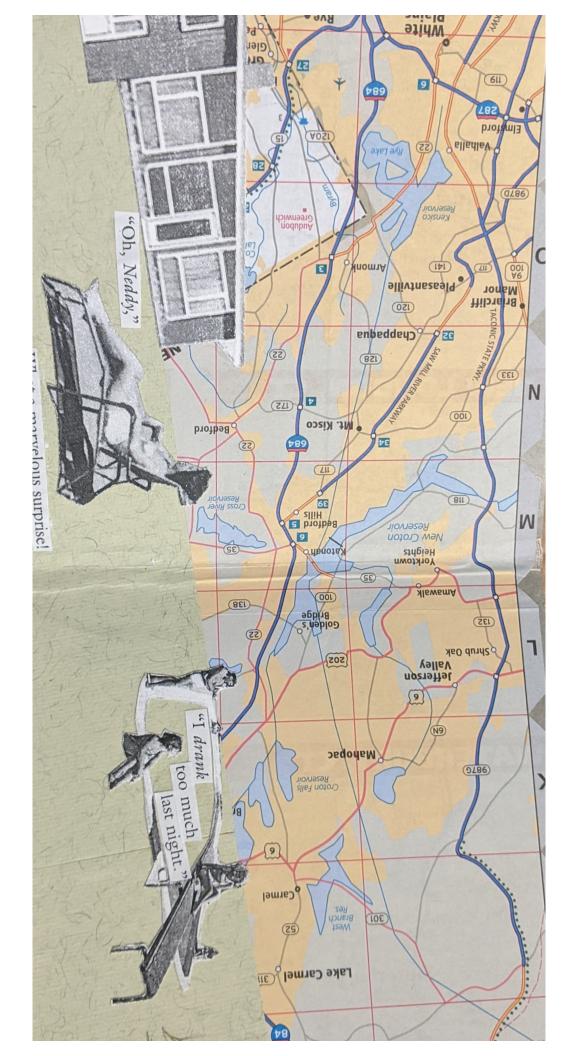


cal) surfaces. More than a re-telling of the story want to engage in a multisensory 'reading' expea complicit listener through a mobile phone held tional complexity by the multiplication for potential disruptive surfaces that communicate human emoin an AR 'pop-up' book form, our aim is to create (digital, psychological, emotional, acoustic, musireader through its varied material and immaterial es and affective resonances to actively engage the (Barthes, 1974), attempts to capture a host of voicand many other readerly/writerly configurations ic textual forms, moving between codex structure rience. In sum, Simmer's malleable and dynaminvitation and exploration for the reader whom we close to the ear, and the book is then a place of pered and confessional, meant to be overheard by ing to be touched, the audio is sometimes whistunnel books. Our book papers are textured, askand paper engineered objects, like flip books and

Simmer opens as a linear accordion fold book or panorama that presents a re-telling of Ned's story from his perspective based most directly on the

er story and the film. The long, narrow surface of scape and which are central to the original social ups are woven into the panorama imagery, often from the deformation of an old text, the fragments tal Dadaist poetry, meant to make something new across the full panorama. Reflective of experimentral to his feelings of dissonance and despair. Cutconnected to his suburban neighborhood, so centhat tracks off of the panorama images presents swimming through the neighborhood. An audio landscape of the novel and film, a vehicle for Ned's filling the empty swimming pools that dot the landalmost relation to the source materials. The cutare meant to haunt the Simmer text and show its up quotations from Cheever's original text appear reflects Ned's long-winded, narcissistic musings ical map of Westchester County in upstate New the panorama, both a psychological and a physinspirational materials from the original Cheevfrom Ned's fantasy world, where other characters radio-play style dialogue and atmospheric music York (where the Cheever novel and film were set)







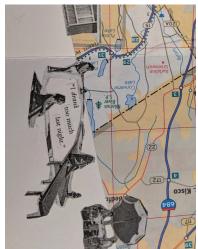
to the right. Visible across the panorama, a red uralistic representations at the left, but then they and so the panorama is comprised of more natcollage elements shift as the reader moves across ic movement, even on the linear side of the book seemingly eternal cocktail hour, poolside the Westchester county suburb, all lounging in a tive connections between houses and people in thread is sewn through the book, drawing suggesbecomes more pensive as the reader progresses that underscores the dialogue also changes and his dark secrets. The *chill* bossa nova soundtrack threatening, hinting they might know and reveal fawning friends eventually sound more critical and ger images from a mobile phone, shifts as Ned's right. Even the dialogue, activated by AR trigtransition to more surreal representations on the (seemingly) revere him, reflecting him as larger than life, legendary, and god-like. To show dynam-

But even this linear connection will eventually reveal itself as an illusion, as it crosses the book over to the other side and reveals connections to

and music. Through the interaction with objects in is also tracked by the AR app to reveal dialogue cretion of objects for the reader to discover (e.g. exploration of its objects and by manipulating a vada's world, is pieced together through the reader's of the book, the two sides of the story. The non-linoffers a tenuous connection between the two sides structure. As seen in the dollhouse, the red thread Cheever work. The red thread, then, also makes like Ned's story, a dark companion for Lucinda cheery music from the pool party side of the book deconstructed and introspective inversions of the er, Ned's mistress). These themes are created as eral of the female characters (Lucinda, her moth-Miniature LPs also play musical themes for sevson, offered as a type of confessional audio diary the first time, describing her experience in first-per the domestic space, we hear Lucinda's voice for tunnel books, flip books). Each of these elements from the long history of the book through this acpopulated with a variety of historical resonances escalates through reader interaction, the house is keeper, and secret giver. As the book-performance together, with the book acting as a form of secret and they present fragments of narrative to piece are often hidden, waiting for the reader to uncover, when activated by the reader). These interactions case, to breath and to touch, revealing hidden text thermo-chromic paint that responds to heat, in our tunnel book, flaps, a fold-out map painted with (paper dolls, animated flip book, miniature book riety of traditional pop-up and movable elements ear narrative of the domestic house space, Lucinturned inside-out and transformed into a dollhouse meaning is revealed as the accordion book is linear and non-linear writing forms, and this dual more abstract metaphorical connections between Lucinda's domestic story space, unknown in the

> Ned's narcissism has had on her and the family century storyteller. Here once again, the red thread dolls, a (failed) experiment in technical innovation audio recordings of Thomas Edison's mechanical resented by paper dolls and voiced by restored especially the girls. These four daughters are repis revealed, we learn the devastating impact that show their similarities, but also to refute the newhistories, drawn together through book matters to reveals a connection to two different worlds and kinship with Dickinson, with another secret 19th claimed as her own by Lucinda who tells of her etry. The poetry is written by Emily Dickinson, callda's writing desk, ending as the thread found in book finally emerges in the house through Lucinthis kind of *hidden* story. As Lucinda's experience ness of this form of moveable AR book, as well as ing back to another experimental writer, but also the hand-sewn binding of a miniature book of po-The red thread sewn through the other side of the





for material storytelling that bypassed the simplicity of a printed page but reified simplistic notions of woman, machine, and girlhood (Wood 2003). Following instructions from Lucinda, the reader is invited to interact with these daughters as dolls, flat, and in the end, still voiceless This action brings the reader into a performative complicity with Lucinda and Ned, as both parents play out the pain of their relationship by objectifying their children, a sad point of intersection for the otherwise distant couple. This aspect of the storytelling pulls the reader into the story in a defamiliarizing way, to invite reflection.

Conclusion

In the introduction of Lisa Gitelman's book *Paper Knowledge: Toward a Media History of Document,*Gitelman reveals her interest in the history of the document, as both object and as evidence, as personalized knowledge. She opens by describing a

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contemporary death certificate from New York City. She first describes the front of the form and then reverses it, moving to a description of the back, which is seemingly left blank, but in truth revealing evidence to be discovered if you come closer:

magnifier.) The paper has an elaborate watermark. uine. The seals and borders have raised intaglio it would be, except for a list of security features ing it another. (p. ix) then holding it close, flipping it one way and fingerperform calisthenics with one, holding it out and much read a death certificate, it would seem, as make sure it will change color.) One doesn't so (Warm it by rubbing your finger over it quickly to And there's a logo printed with thermochromic ink. (Hold it up at arm's length with a light behind it.) legend. (Hold the document very close or use a bottom of the document contains a microprinted printing. (Run your finger over them to check.) The that the truth-claiming document you hold is gento look for should you wish to reassure yourself The back of each death certificate is blank -- or

In our book, we too want to create an embodied reading experience that brings the reader and media together, to document an experience that may at first seem blank and silent, but which can be discovered and communicated through intimate (mimetic) connection. In this way, even in death (the inspirational Cheever text), hyper-personal experiences can be resurrected through sensory and corporeal engagement with technical and material affordances to extend (only) one emotional narrative history into many. To touch is to stimulate a process of plurality that moves beyond 'pure' abstract reading and into a reader's embodied registers of reception. In this way within Simmer, we address the theme of the ICIDS 2019 exhibition, "The

Expression of Emotion in Humans and Technology," navigating material, technical, and emotional reading to illustrate the necessary connections among them—and beyond.

What simmers also bubbles up, and our mixed media work invites the reader to explore the raw edges of storytelling and humanity within us all, using the many affordances found in the multiple histories of the book.



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