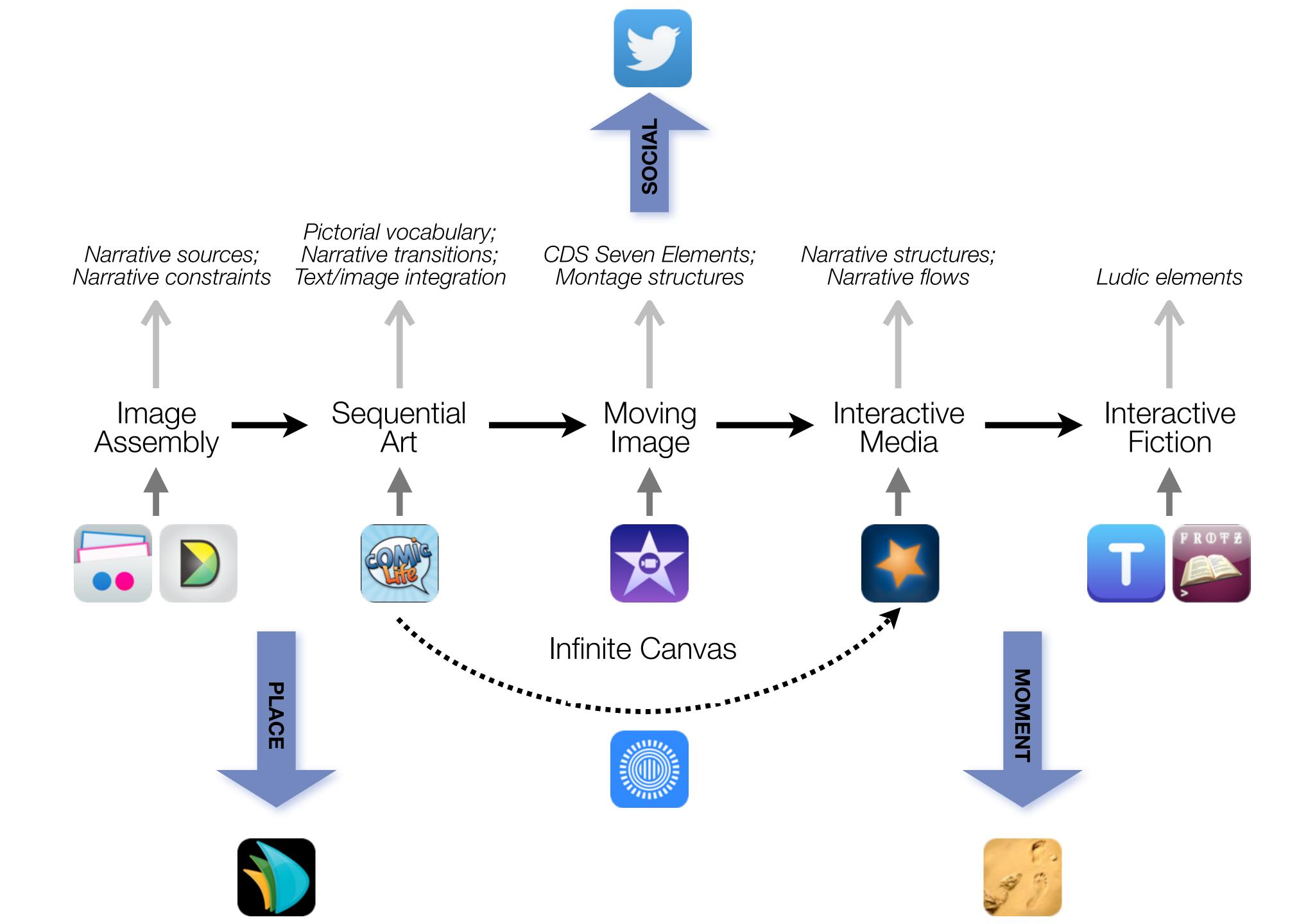
Narratives in Space and Time: Digital Storytelling on Maps and Timelines

Ruben R. Puentedura, Ph.D.

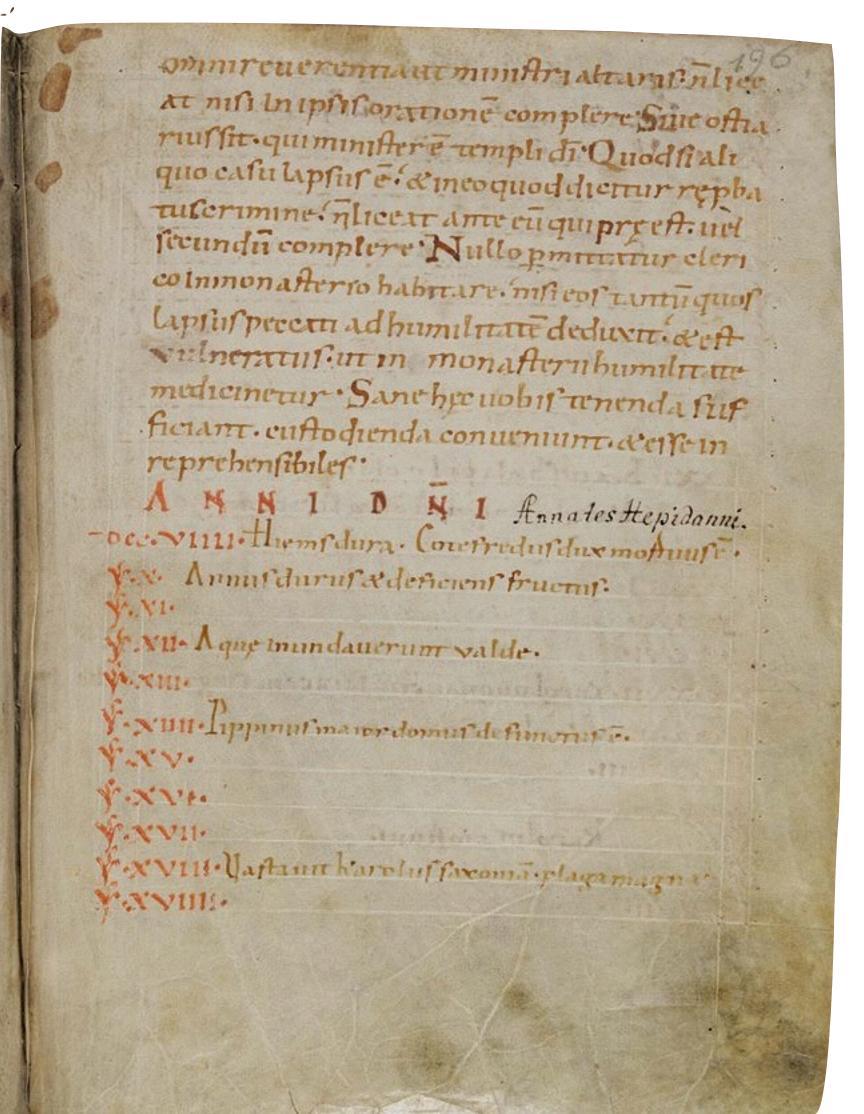


Simonides: the Method of Loci



Building a Language for Time

Annales Sangallenses Maiores



709. Hard winter. Duke Gottfried died.

710. Hard year and deficient in crops.

711.

712. Flood everywhere.

713.

714. Pippin, mayor of the palace died.

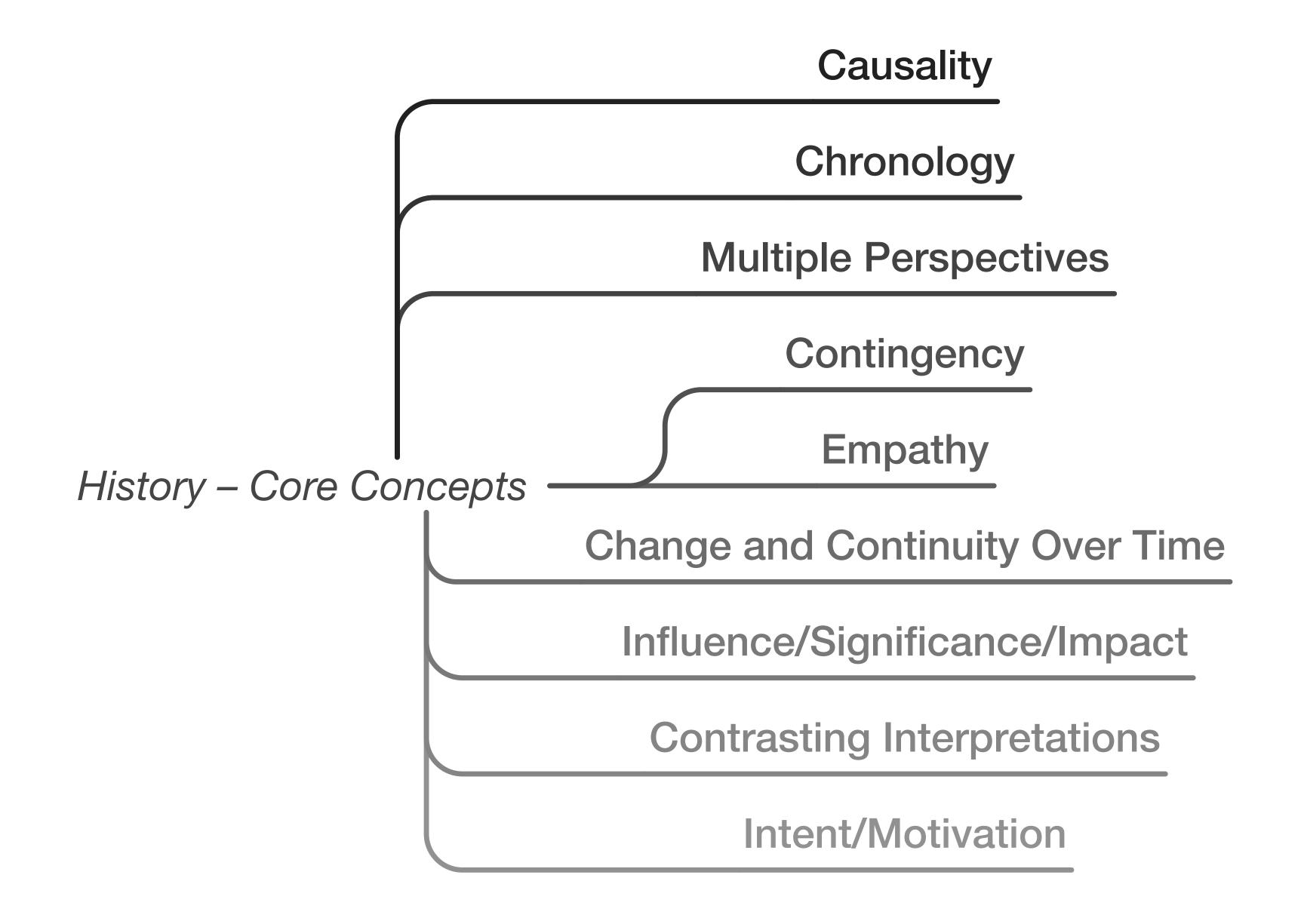
715.

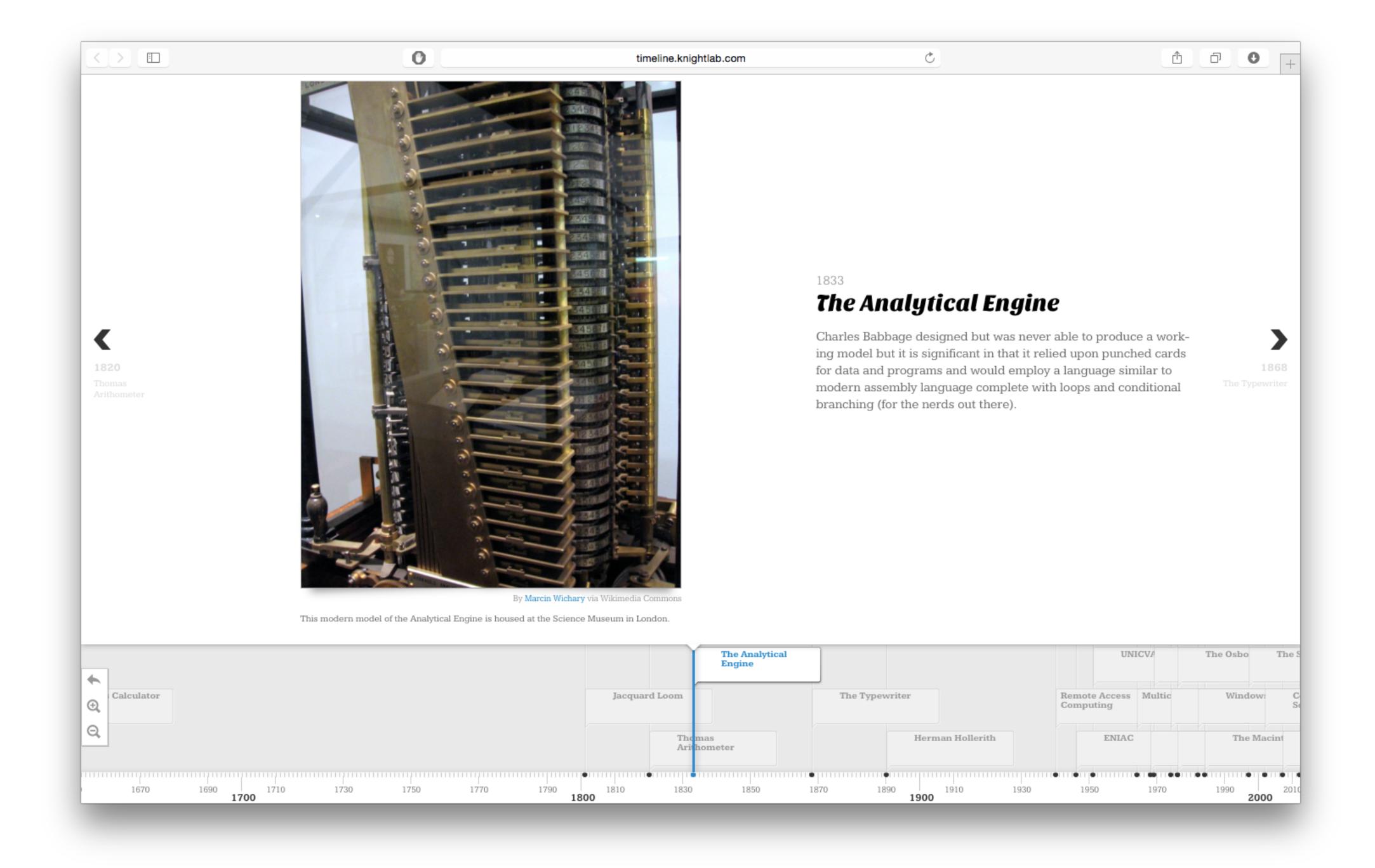
716.

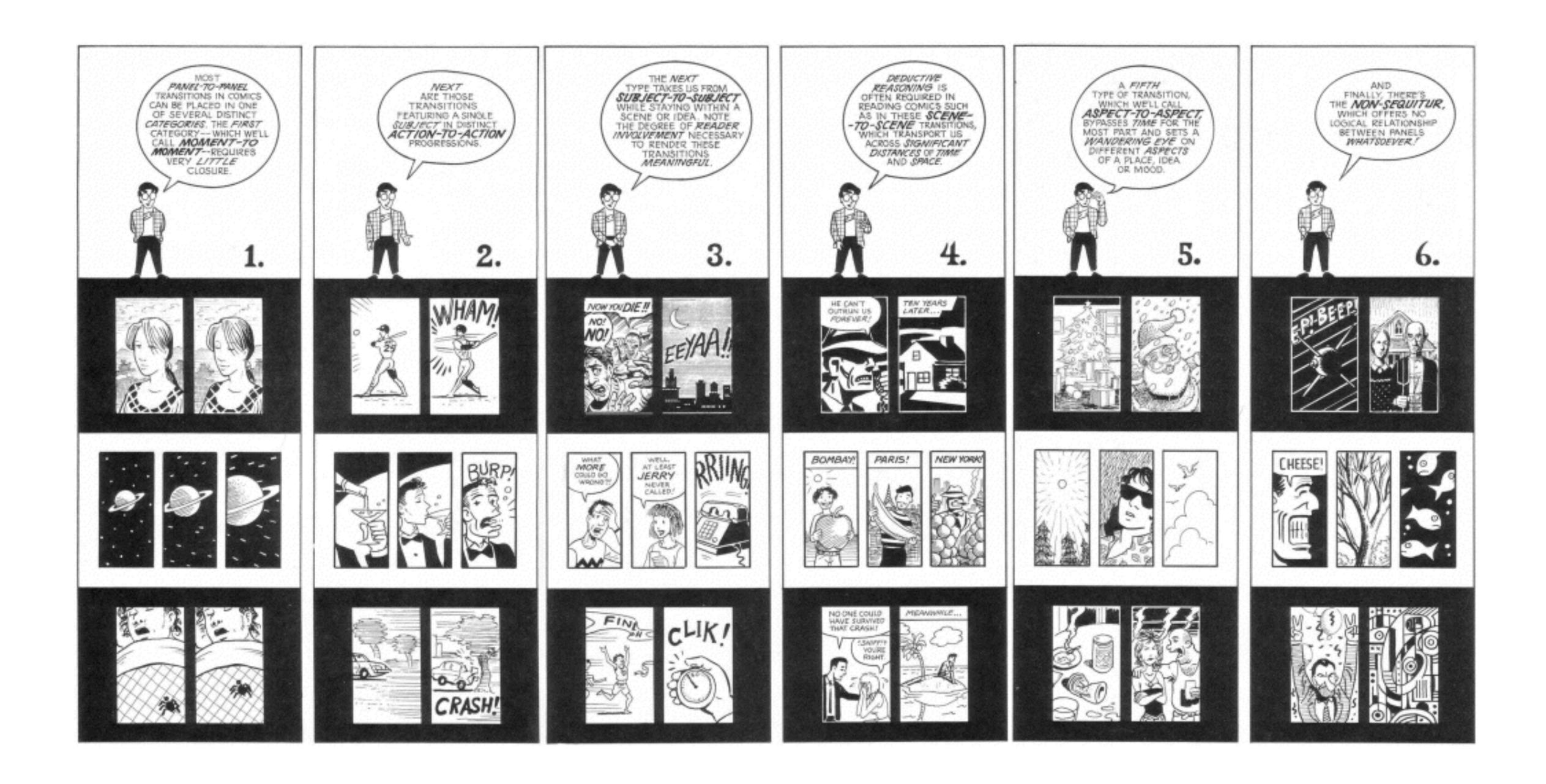
717.

718. Charles devastated the Saxon with great destruction.

719.



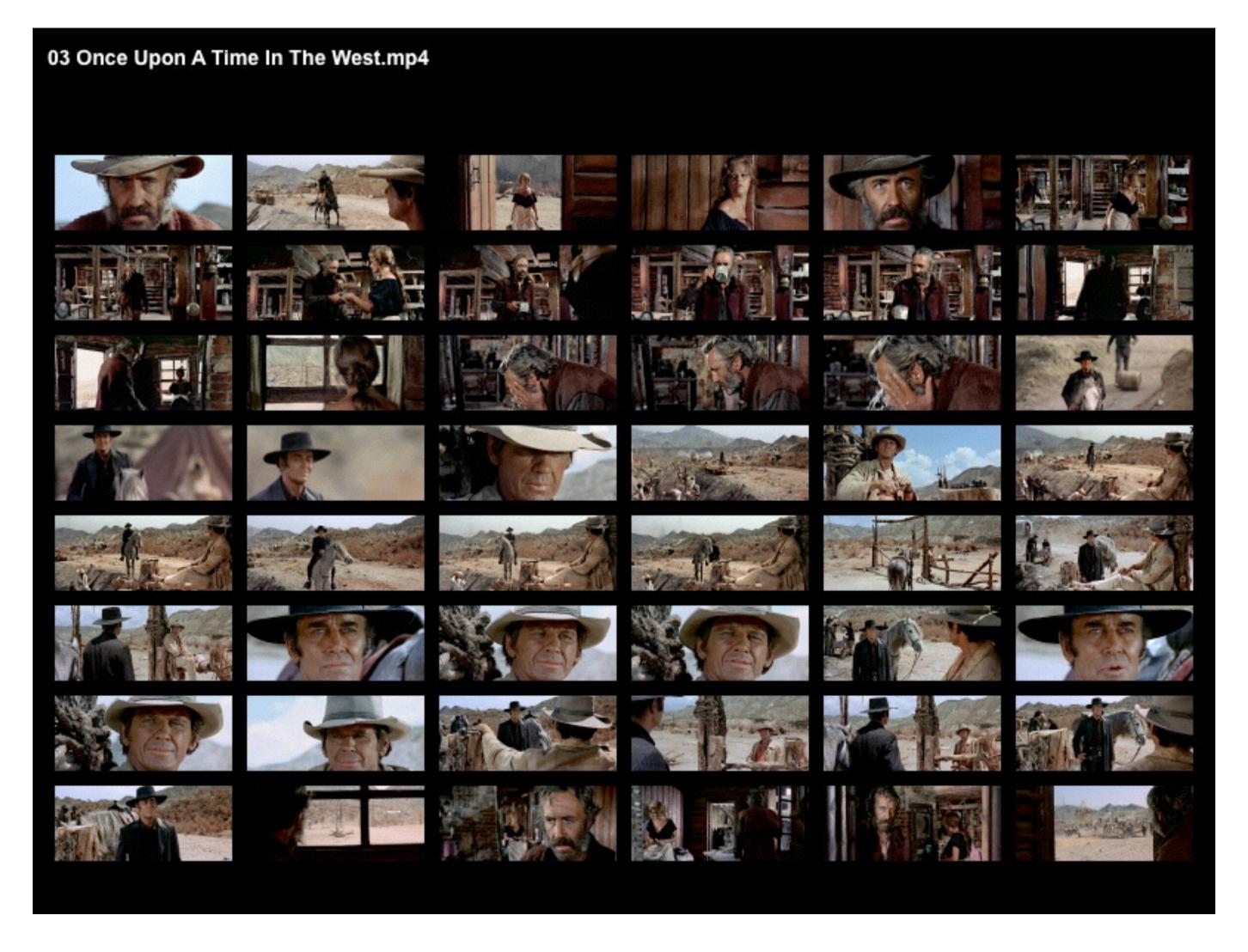




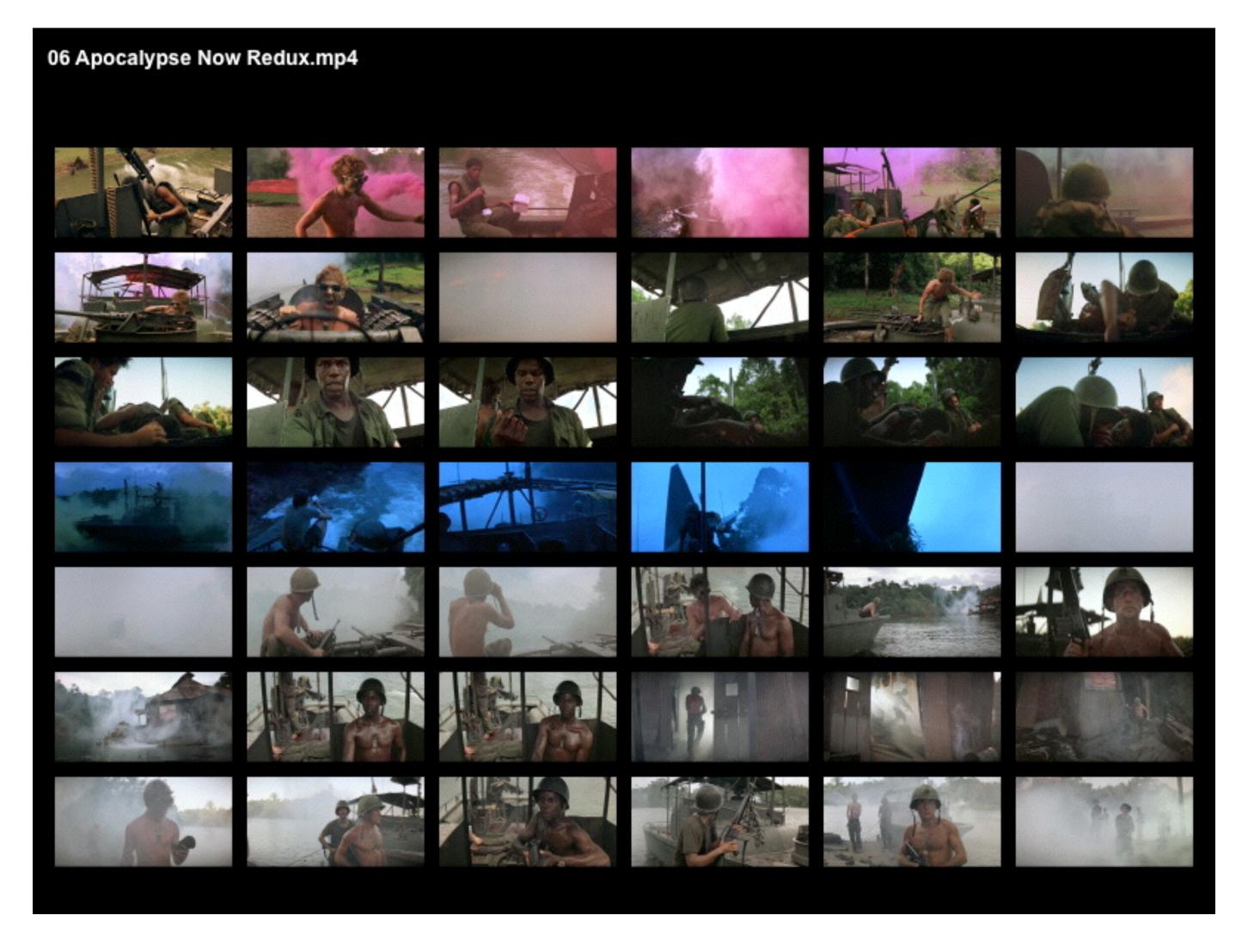
Four Basic Forms of Montage

- Organic Montage
 - · Montage follows the interplay between the dramatic moments of the story/stories.
- Dialectical Montage
 - Montage follows a rhythm set by the logical components of a thesis.
- Montage by Quantity of Movement
 - · Montage follows the dynamics of the action inside the frame.
- Montage by Quantity of Light
 - Montage follows the physical and symbolic interplay of light/dark inside the frame.

Organic Montage: Once Upon A Time In The West

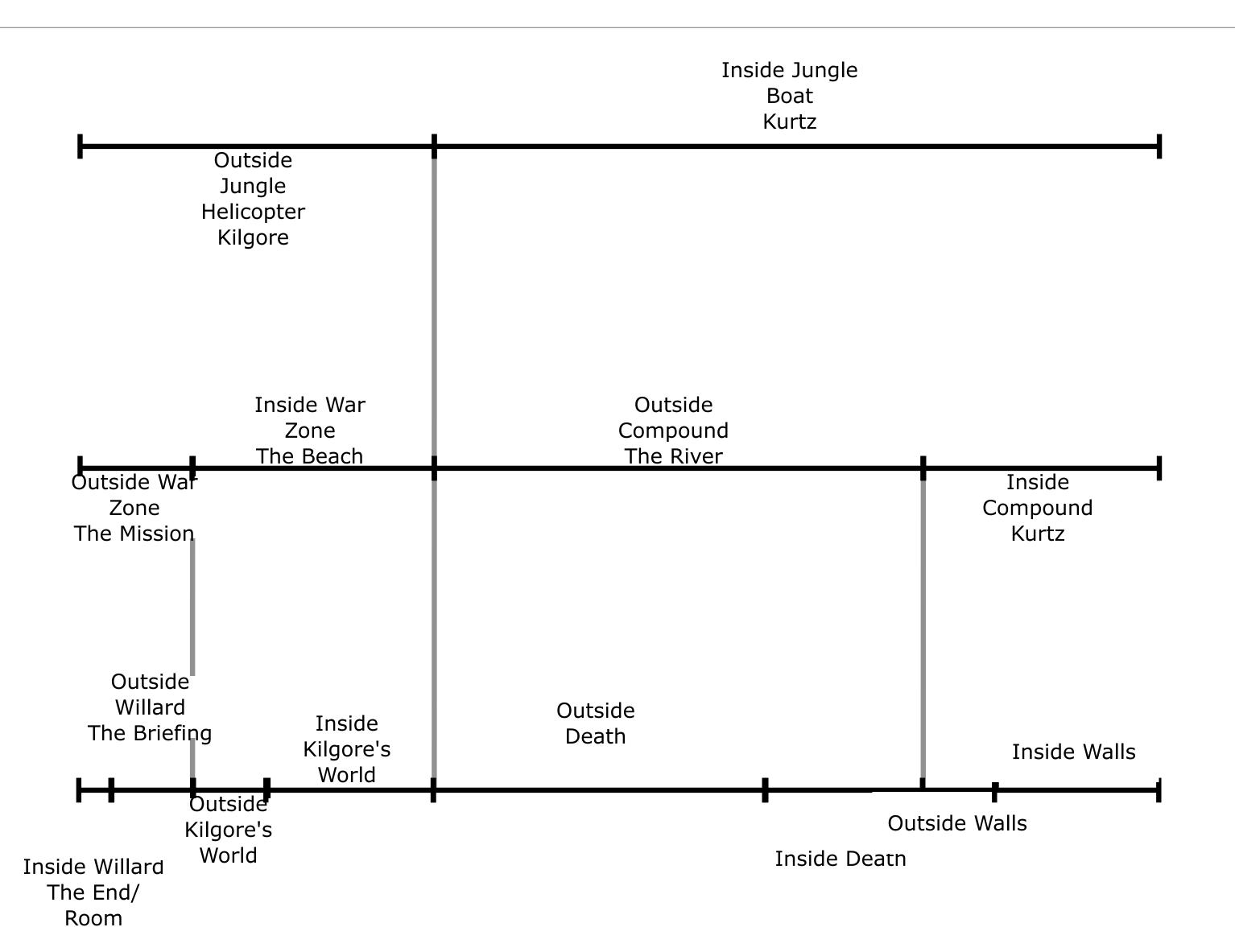


Dialectical Montage: Apocalypse Now Redux

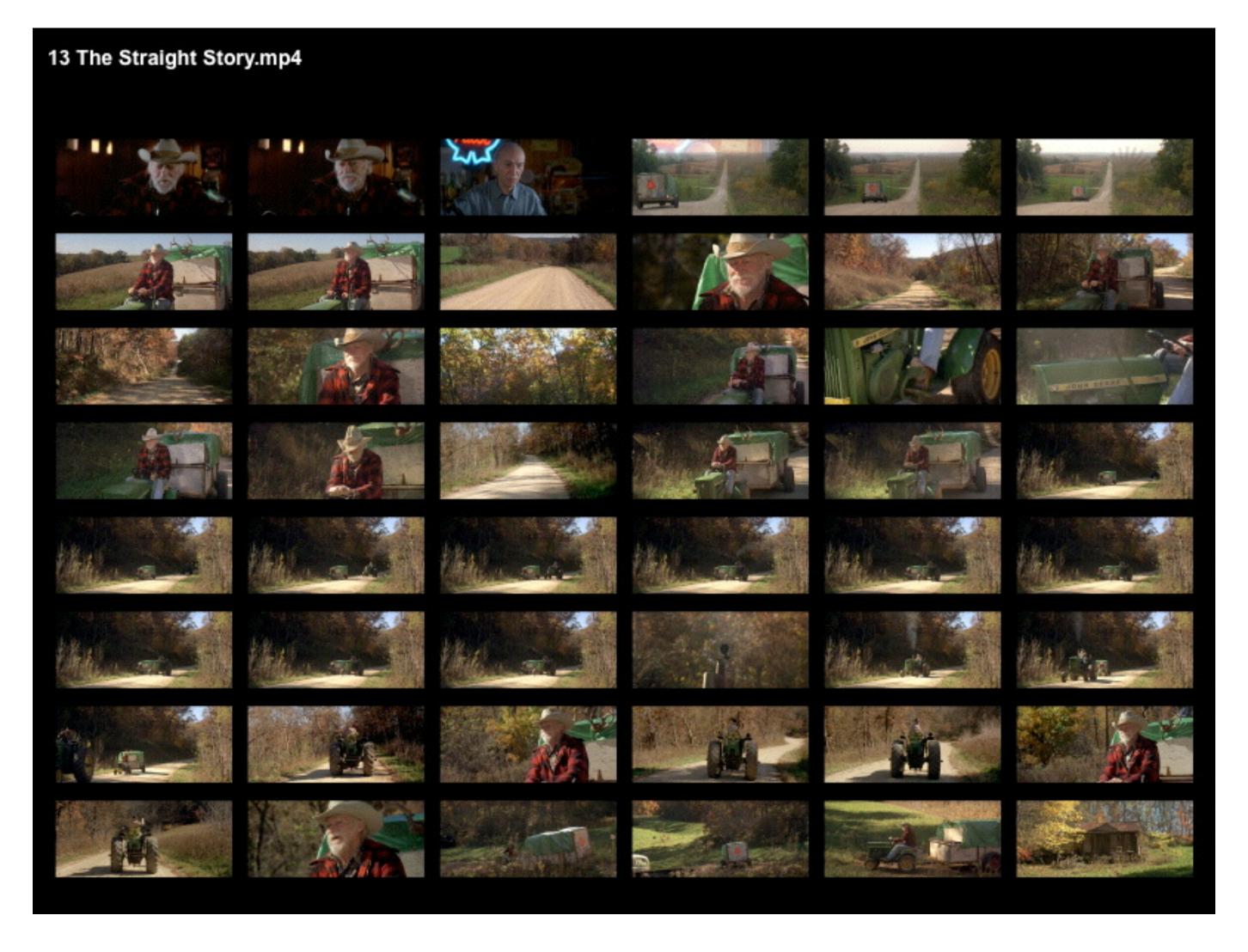


Apocalypse Now Redux. Dir. Coppola, Francis Ford. 1979. DVD. Paramount Home Video, 2001.

Apocalypse Now Redux - Partial Plot Diagram



Montage by Quantity of Movement: The Straight Story



Montage by Quantity of Light: *Pi*



Pi. Dir. Aronofsky, Darren. 1998. DVD. Artisan Entertainment, 2001.

Building a Language for Space

Location Position in space

Condition

Mix of natural & artificial features that give meaning to a location

Links

Connections between places

Formal Region

Group of places with similar conditions

Functional Region

Group of places linked together by a flow

Spatial Thinking Skills	
Comparison	How are places similar or different?
Aura	What is this place's influence on nearby places?
Region	What nearby places are similar to this one?
Transition	How do things change between two places?
Hierarchy	What larger area is this area inside? What smaller areas are inside it?
Analogy	What places have similar conditions?
Pattern	What distinctive arrangements can you see on a map?
Association	Are these patterns similar?

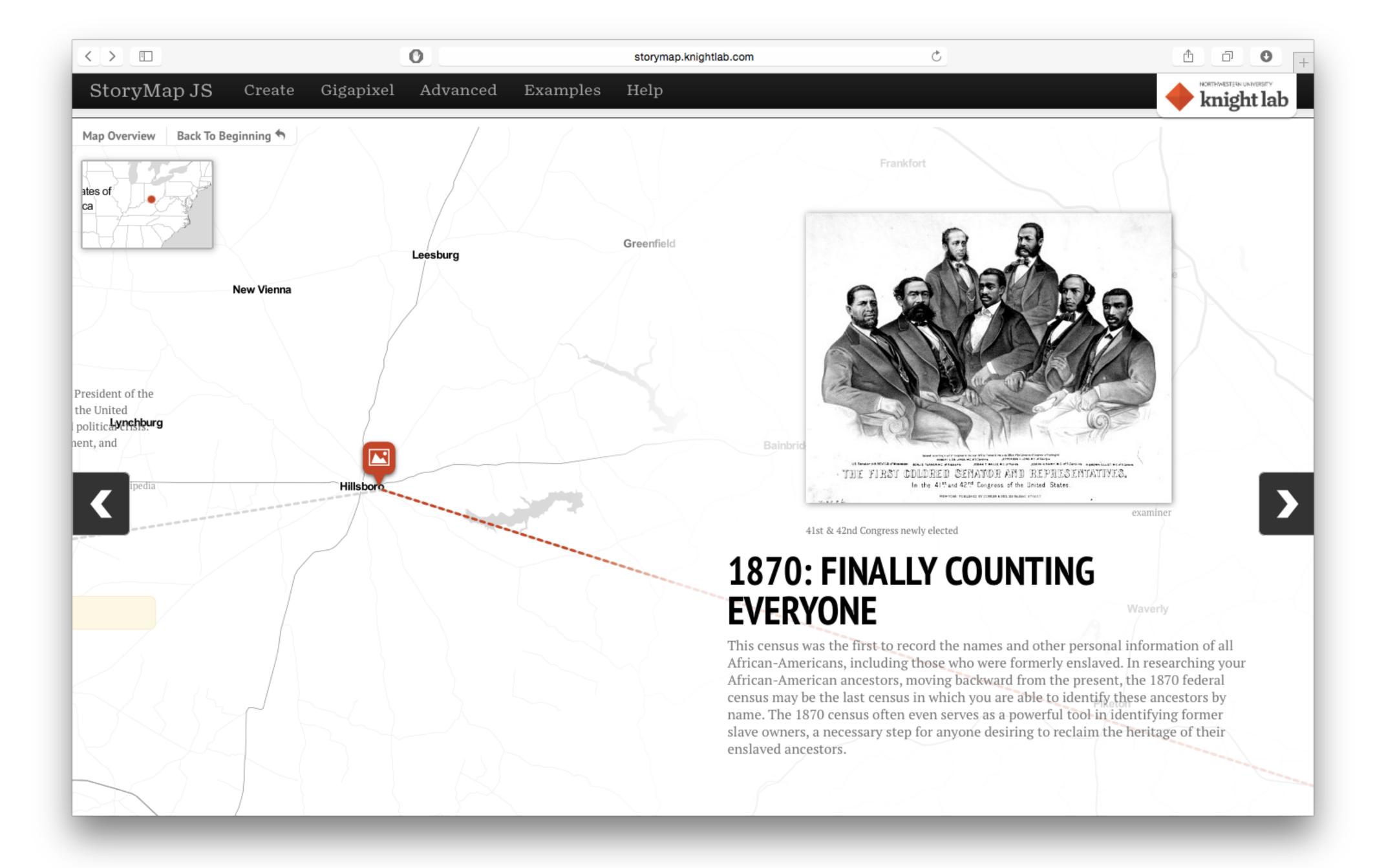
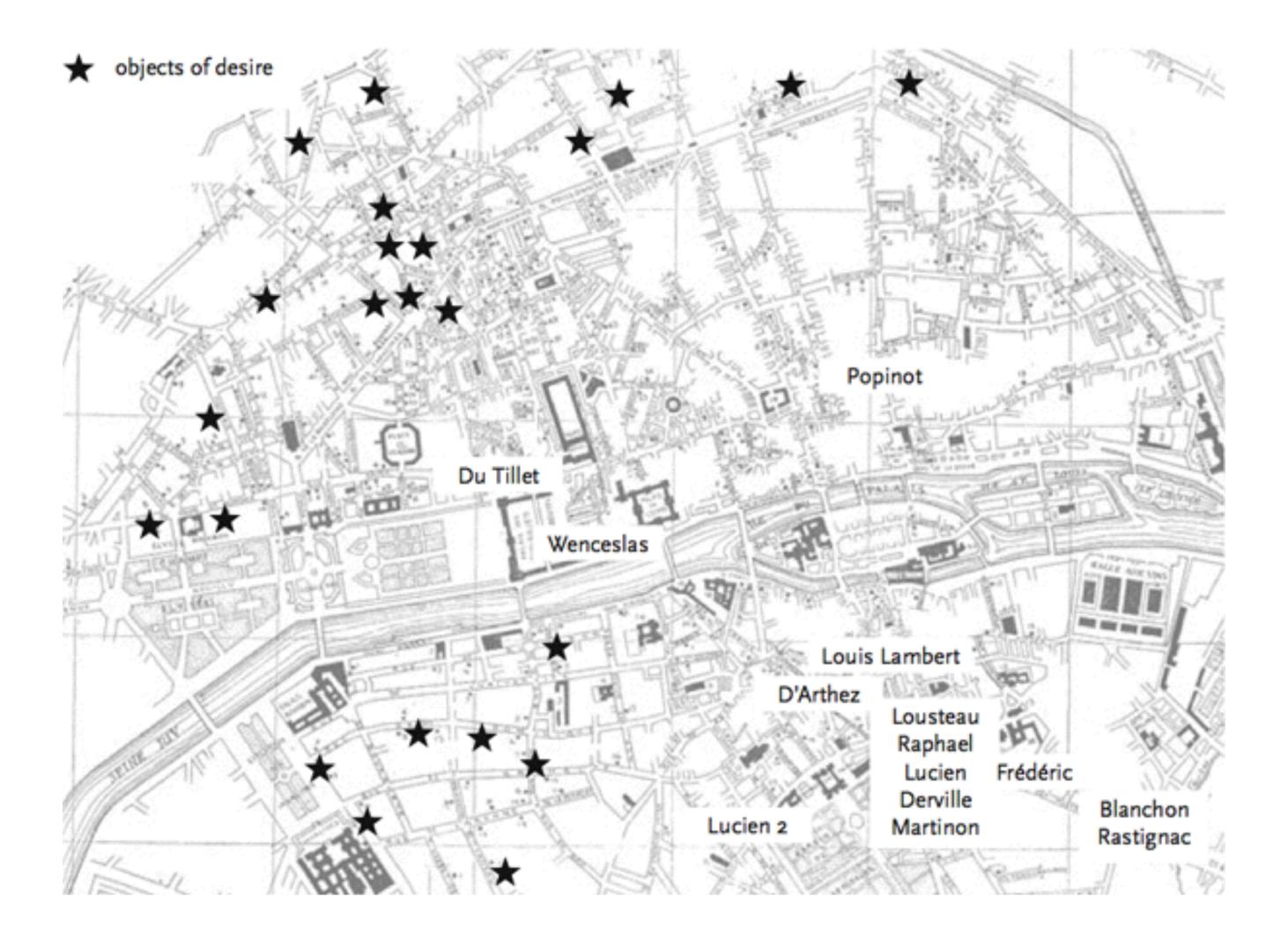
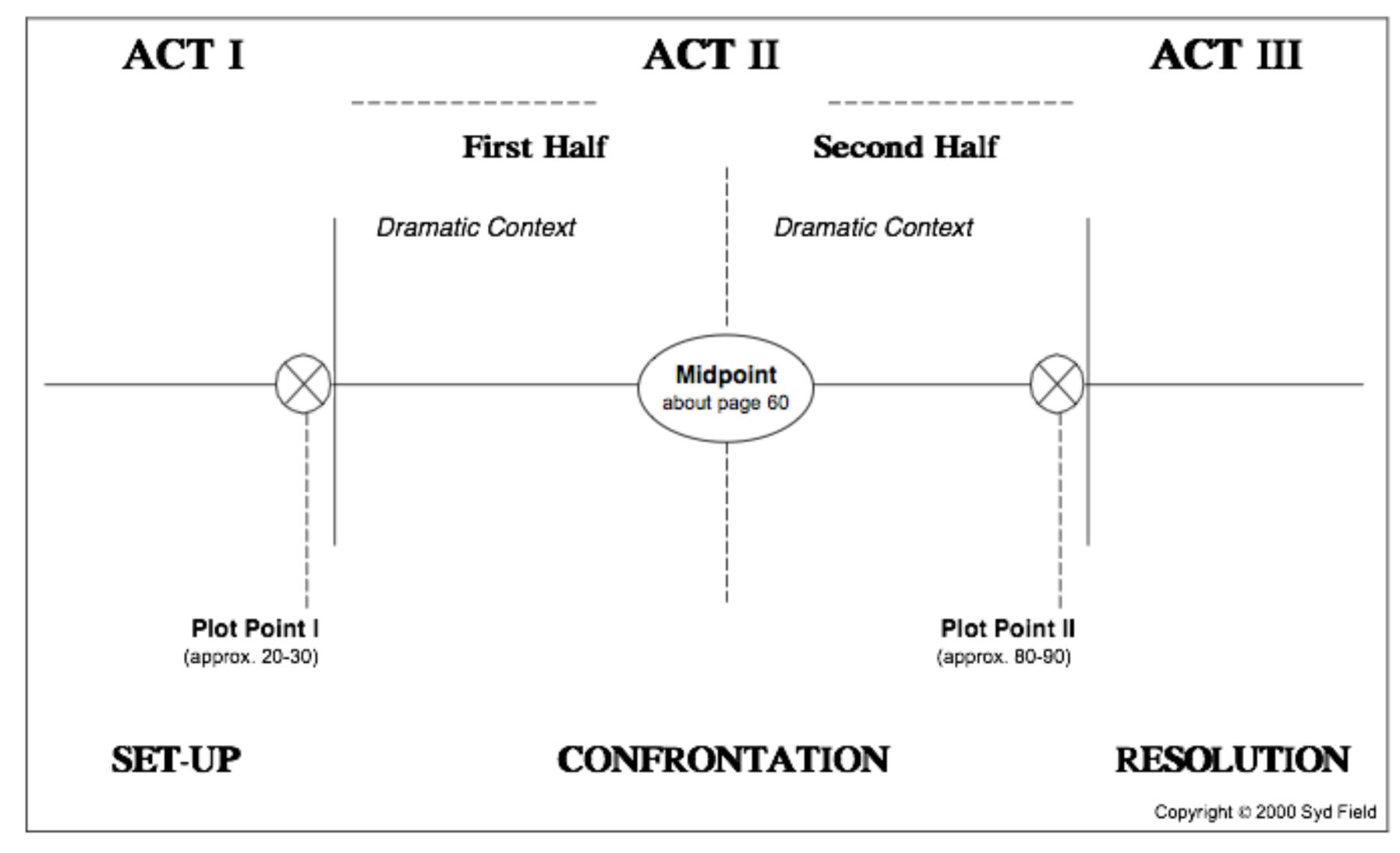


FIGURE 10: Protagonists of Parisian novels, and objects of their desire



The Basic Screenplay Paradigm (Field)



The Hero's Journey (Campbell)

- Three parts to the journey:
 - The Departure: the hero is called to adventure
 - Someone is in need of aid, and the hero is called upon to help
 - The Initiation: the hero undertakes a journey (physical or spiritual) to reach the goal that will secure the needed aid
 - The hero undergoes a process of change
 - · The Return: the hero accomplishes their task, and aid is rendered
 - The hero receives some reward

The Detailed Journey

The Departure:

- The Call to Adventure
- Refusal of the Call
- Supernatural Aid
- The Crossing of the First Threshold
- Belly of The Whale

The Initiation:

- The Road of Trials
- The Meeting with the Giver of Life
- Encounter with Temptation
- Atonement with the Giver of Laws
- Apotheosis
- The Ultimate Boon

The Return:

- Refusal of the Return
- The Magic Flight
- Rescue from Without
- The Crossing of the Return Threshold
- Master of the Two Worlds
- Freedom to Live

Character Roles (Propp)

Main Characters:

- Protagonist (Hero)
- Antagonist (Villain)
- Dispatcher
- Donor
- Helper
- Person Sought-For
- False Protagonist (False Hero)

Supporting Characters:

- Family Members
- Connectors

Character Functions

	Introduction		
#	Function	Example	
1	Absentation	A member of the family absents him/herself.	
2	Interdiction	An interdiction is given to the hero.	
3	Violation	The interdiction is violated.	
4	Reconnaissance	A villain makes an attempt to get information.	
5	Delivery	The villain gets information about the victim.	
6	Trickery	The villain tries to deceive the victim.	
7	Complicity	The victim is deceived.	

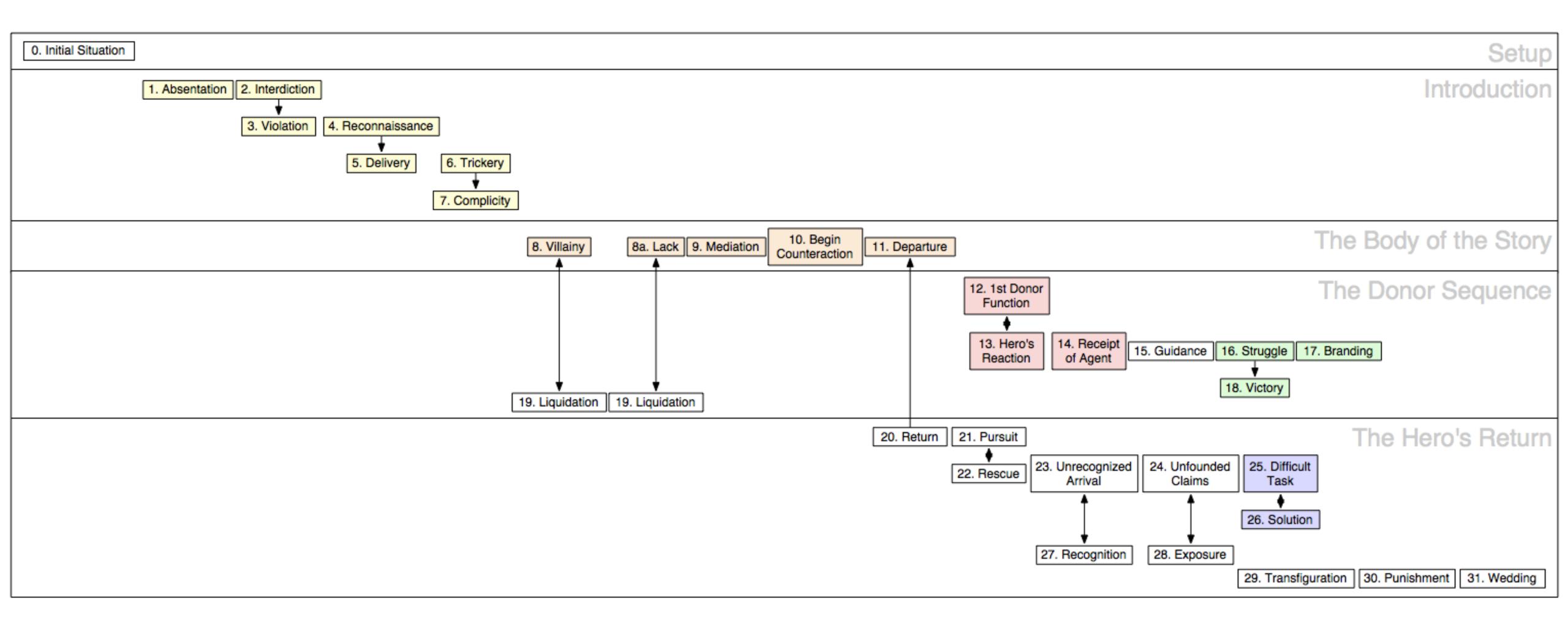
	The Donor Sequence		
#	Function	Example	
12	1st Donor Function	The hero is tested by a donor of a magical agent.	
13	Hero's Reaction	The hero reacts to the agent or donor.	
14	Receipt of Agent	The hero acquires the use of the magical agent.	
15	Guidance	The hero is led to the object of search.	
16	Struggle	The hero and villain join in combat.	
17	Branding	The hero is branded.	
18	Victory	The hero defeats the villain.	
19	Liquidation	The initial misfortune or lack is liquidated.	

	The Body of the Story		
#	Function	Example	
8	Villainy	The villain causes harm to a family member OR	
8a	Lack	A family member lacks or desires something.	
9	Mediation	A misfortune is made known, the hero is dispatched.	
10	Begin Counteraction	The hero (seeker) agrees to counteraction.	
11	Departure	The hero leaves home.	

N	ote	es:

- ■12–14 can also occur as a block prior to the 8–11 block;
- 23–24 and 25-26 can also occur prior to 19;
- 17 can occur between 25 and 26.
- Moves can end on functions other than 31 (e.g., 14, 19, 20, 22).

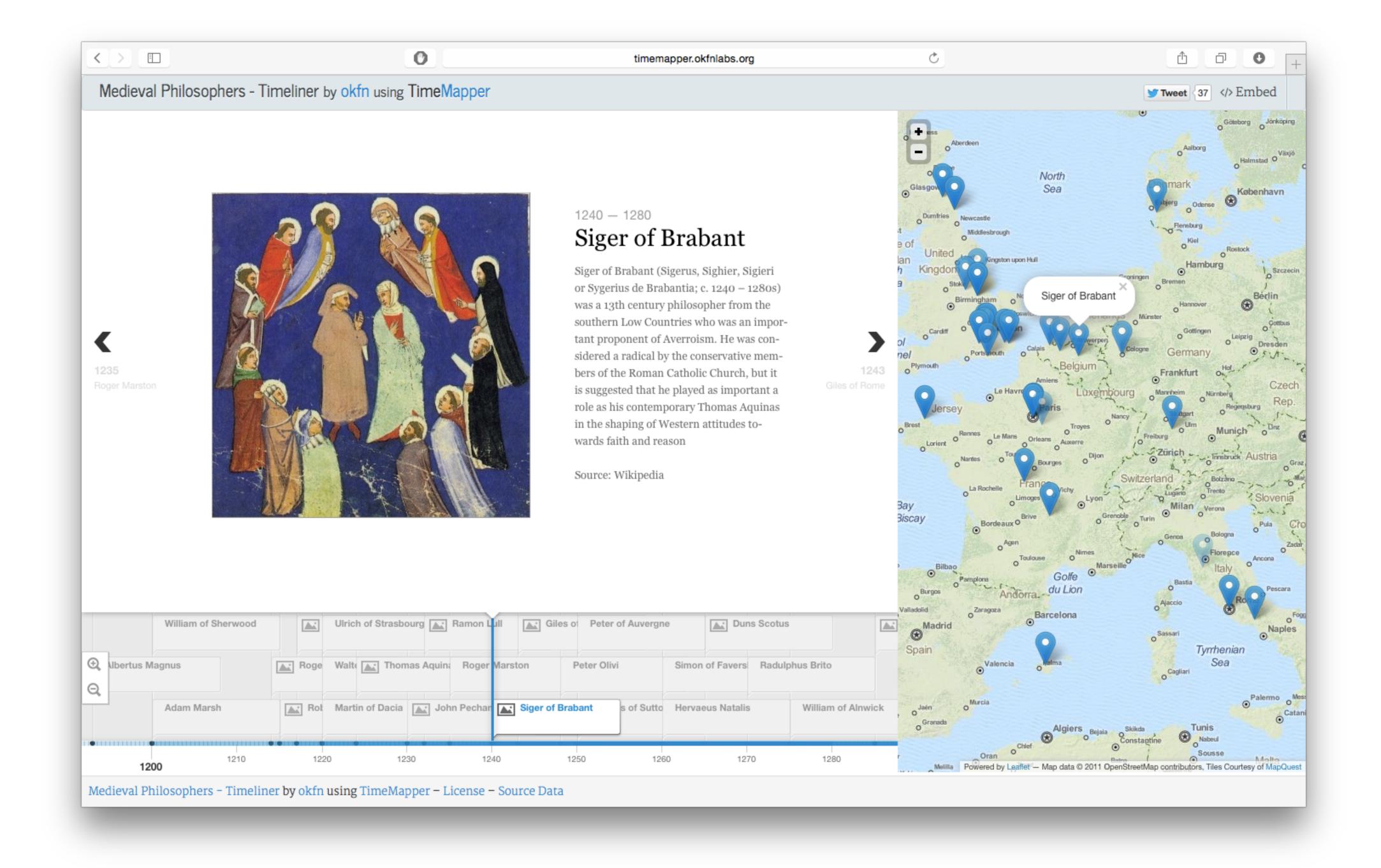
	The Hero's Return		
#	Function	Example	
20	Return	The hero returns.	
21	Pursuit	The hero is pursued.	
22	Rescue	The hero is rescued from pursuit.	
23	Unrecognized Arrival	The hero, unrecognized, arrives home or elsewhere.	
24	Unfounded Claims	A false hero presents unfounded claims.	
25	Difficult Task	A difficult task is proposed to the hero.	
26	Solution	The task is resolved.	
27	Recognition	The hero is recognized.	
28	Exposure	The false hero or villain is exposed.	
29	Transfiguration	The hero is given a new appearance.	
30	Punishment	The villain is punished.	
31	Wedding	The hero is married and ascends the throne.	



Moves and Other Elements

- A **move** is defined as any development from *Villainy* or *Lack* until a terminal function (which may be *Wedding*, or any allowable prior function).
- Relationships between moves:
 - Moves can follow each other sequentially;
 - One move can be embedded within another (e.g., the first part of move 1 is followed by move 2, which is then followed by the second part of move 1);
 - One move can split into two separate moves, which are then resolved sequentially;
 - Two moves can have a common ending.
- Other elements:
 - Connectives
 - Motivations
 - Branching items
 - Function results: positive, negative, negative with punishment
 - Treblings

Telling Stories of Time in Space



Cathédrale St-Lazare (Autun)





Gislebertus - Last Judgement



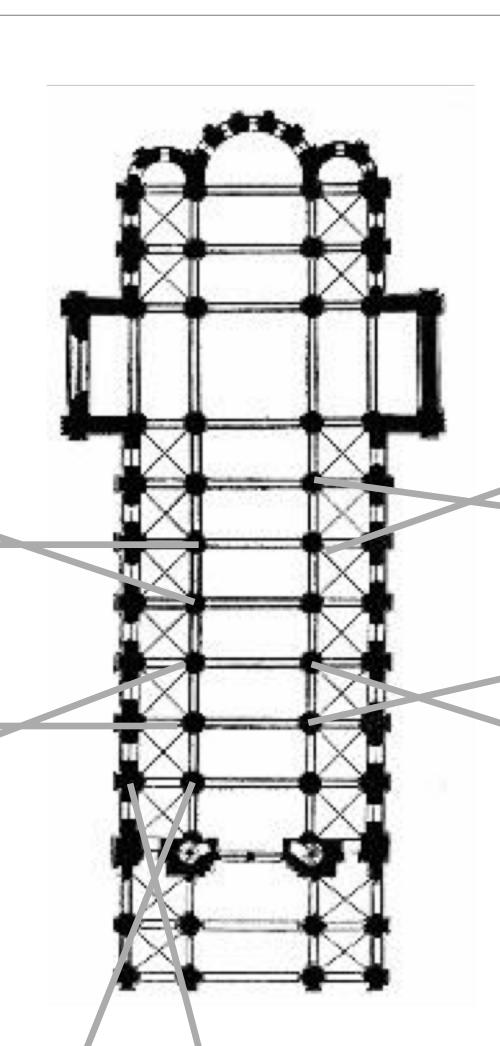
Nonlinear Narrative Geometries: "Look Behind You"

Daniel in the Lions' Den

Christ Appears to Mary Magdalen

Liberation of Saint Peter -

The Prisoners in the Furnace



Samson Destroying the Temple

Noah's Ark

Fall of Simon the Magician

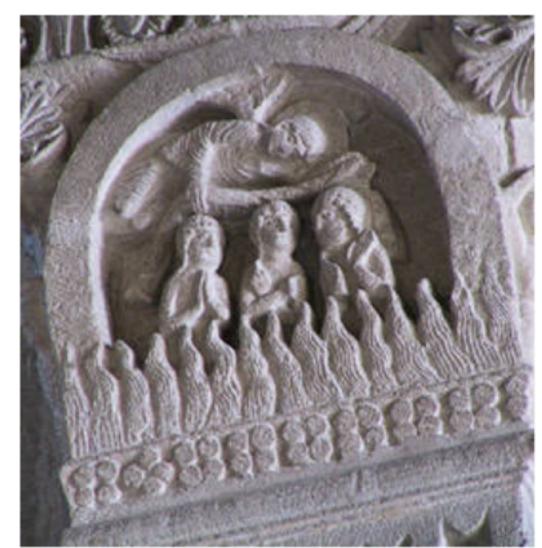
Ascension of Simon the Magician

Sacrifice of Isaac

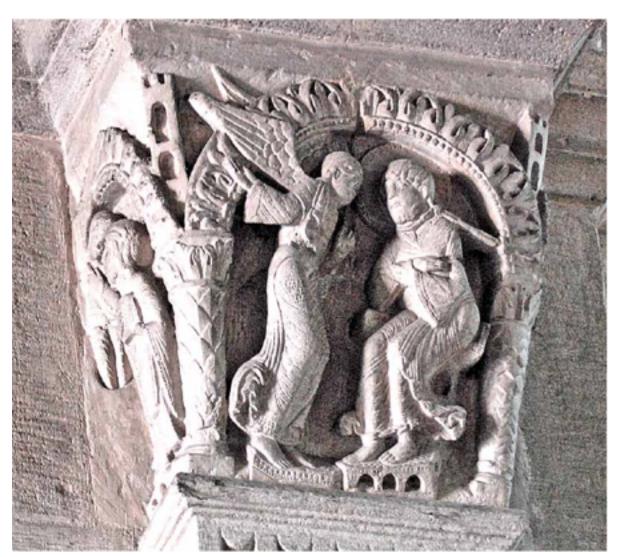
Nativity of the Infant Jesus

Daniel/Christ Appears Prisoners/St. Peter

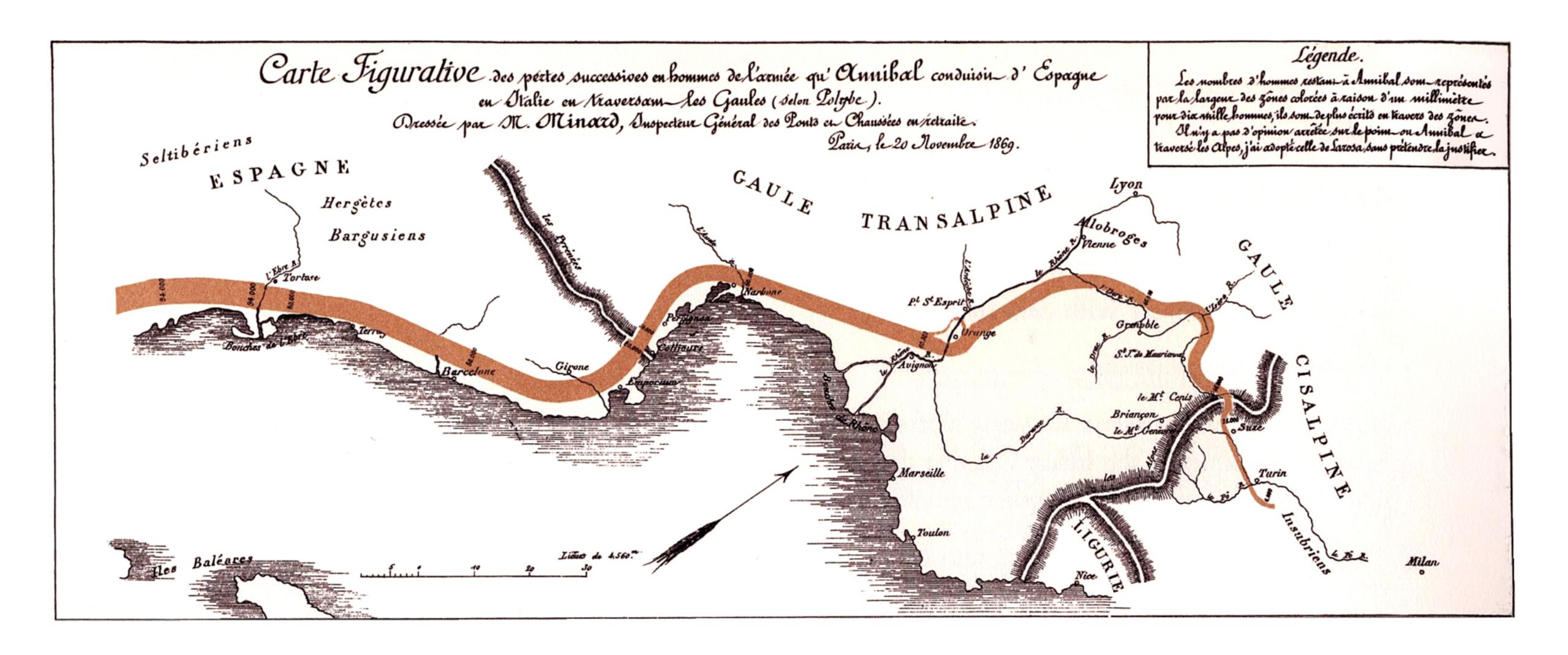








Charles Minard: Hannibal's Army



Robert Smithson – Spiral Jetty





Through this glaciated silence the white walls of the apartment fixed arbitrary planes. She began to dress, aware of his eyes staring at her body. Then she realised that she was standing in his way. [...]

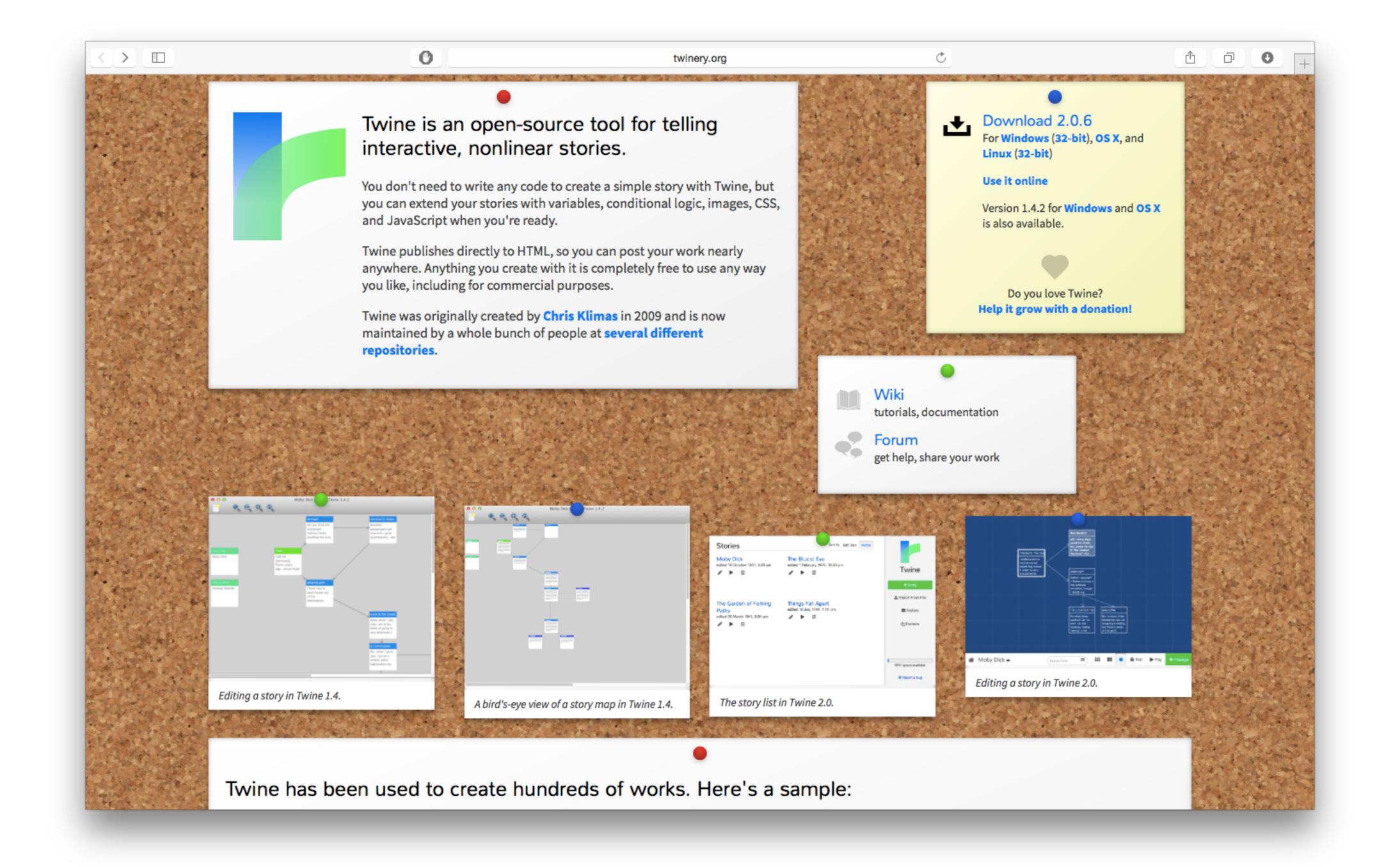
Standing in front of him as she dressed, Karen Novotny's body seemed as smooth and annealed as those frozen planes. Yet a displacement of time would drain away the soft interstices, leaving walls like scraped clinkers.

J.G. Ballard, You: Coma: Marilyn Monroe

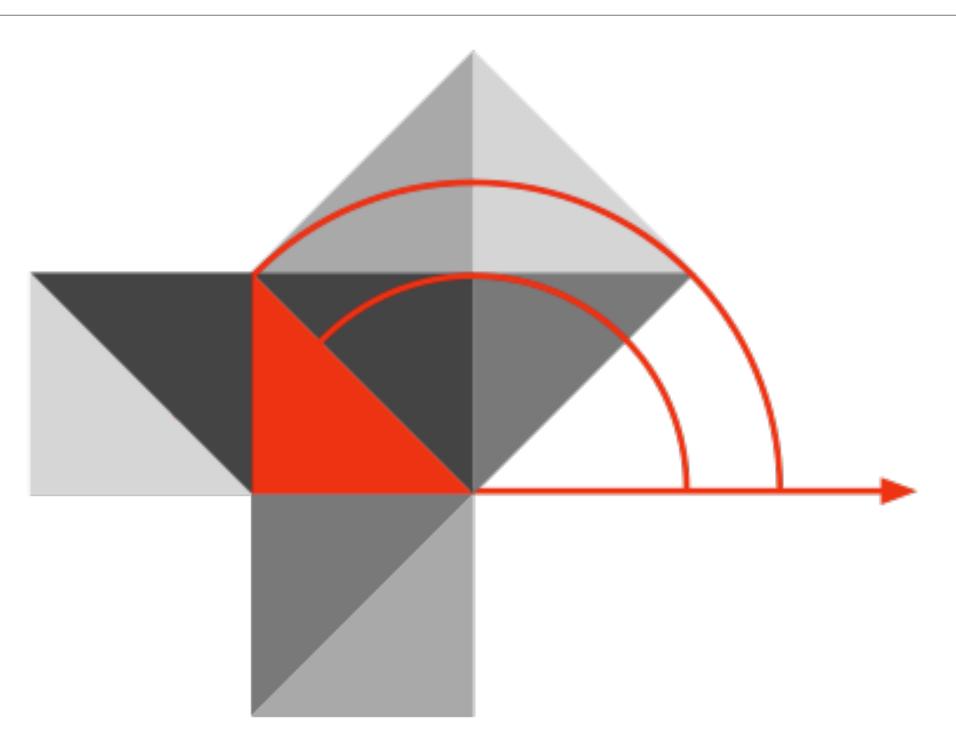
Christoph Fink – Atlas of Movements, Movement #52 (The Frankfurt Walks)







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