

AHST 4342-001 (85802)  
History of Media and New Media Art  
Fall 2012  
Dr. Charissa N. Terranova  
University of Texas at Dallas  
Arts & Humanities  
M-W 1:00-2:15  
Class Location: AH2 1.204

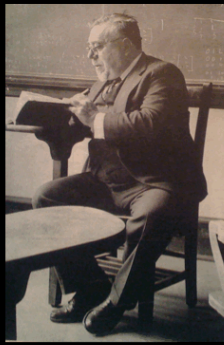
November 28, 2012

Bodies, Surrogates, and Emergent Systems

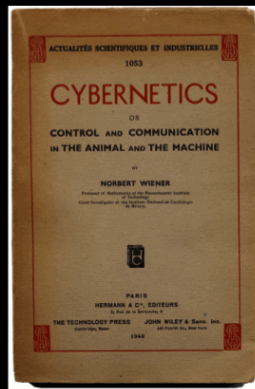
Cybernetics  
[Cyborg]  
Norbert Wiener

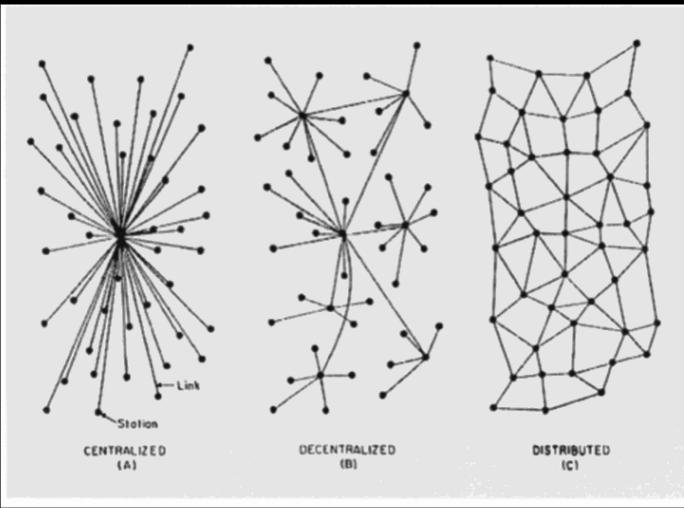
Embodiment  
Dematerialization

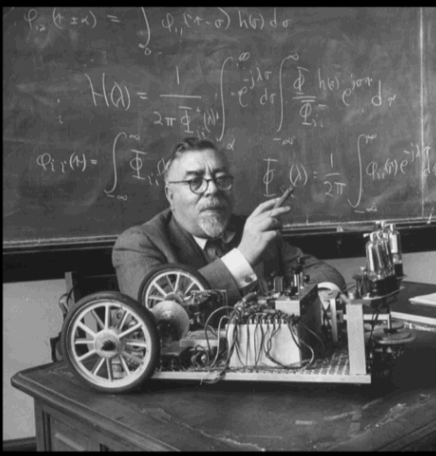
Cybernetics – 1.) Interdisciplinary study of complex systems 2.) The study of human control functions and of mechanical and electronic systems designed to replace them, involving the application of statistical mechanics to communication engineering. [Origin: < Gk kybernt(és) helmsman, steersman (kyberné-, var. s. of kybernân to steer + -tés agent suffix) + -ics; term introduced by Norbert Wiener in 1948]



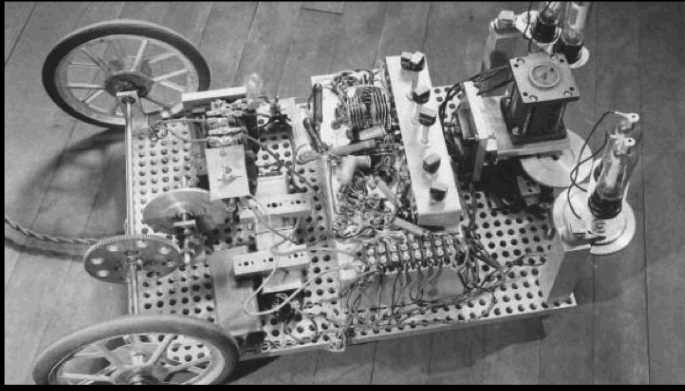
Norbert Wiener (1894 -1964)

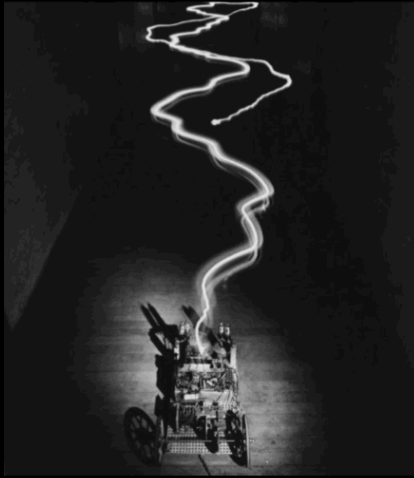




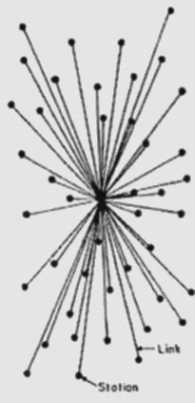


Norbert Wiener with Moth "Palomilla" 1949

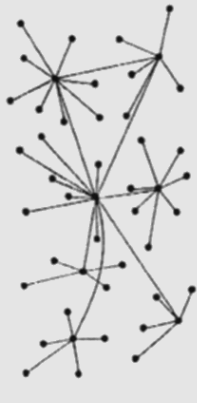




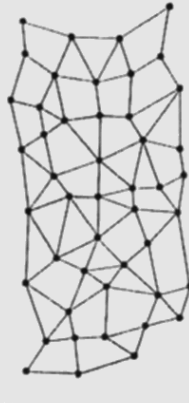




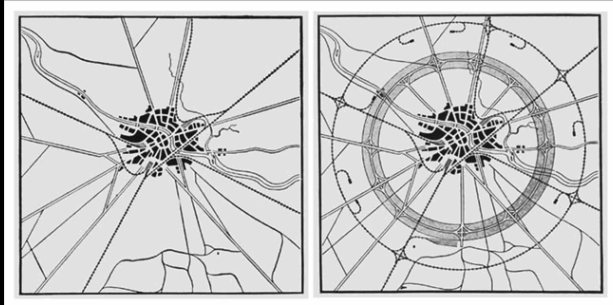
CENTRALIZED  
(A)



DECENTRALIZED  
(B)



DISTRIBUTED  
(C)



Norbert Wiener, Life Belt from Civilian Defense Plan, July-November 1950

**“How U.S. Cities Can Prepare for Atomic War:**  
M.I.T. Professors Suggest A Bold Plan to Prevent Panic and Limit  
Destruction,” *Life*, December 18, 1950



- Correspondence between Norbert Wiener and Walter Reuther, President of United Automobile Workers
- in letter of July 1950, Reuther suggests "a positive program of social and economic action directed at elimination of poverty and social injustice which are the source of communist power"
- Wiener responds by encouraging the strengthening of civilian defense, "which needs as much bolstering as our military defense" and the decentralization of cities
- logical outcome: more and better highways; more cars



**LIFE BELTS AROUND CITIES WOULD PROVIDE PLACE FOR BOMBED-OUT REFUGEES TO GO**



The Warrenton defense plan is scheduled to be completed in the next few weeks. It would build a ring of roads around the city, a distance of 10 to 15 miles from the center. The roads would be spaced at intervals of 10 to 15 miles from the center. The roads would be spaced at intervals of 10 to 15 miles from the center. The roads would be spaced at intervals of 10 to 15 miles from the center.

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CITIES VS. A-BOMBS CONTINUED

**BY-PASSES FOR RAILROADS  
WOULD KEEP TRAFFIC ROLLING,  
ENABLE NATION TO HIT BACK**

TIES vs. A. BOWEN

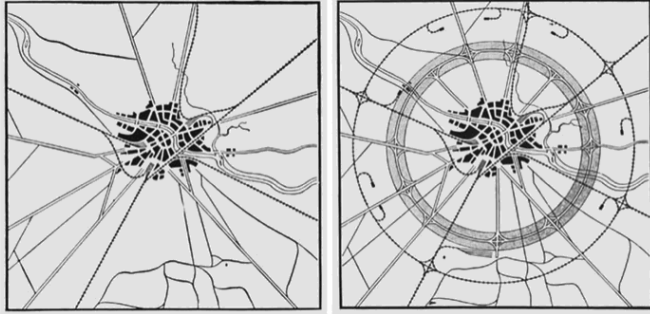
# Y-PASSES FOR RAILROADS WOULD KEEP TRAFFIC ROLLING, ENABLE NATION TO HIT BACK



After months have elapsed on U. S. maps the proposed Y-passes would cut across the main lines by means of a diagonal route, which is a simple geometric proposition. It would be a simple matter to cut across the main lines by means of a diagonal route, which is a simple geometric proposition. It would be a simple matter to cut across the main lines by means of a diagonal route, which is a simple geometric proposition.

By building the pass left can be crossed with large ties. When taken the lines of main lines, it would be possible to cross the main lines by means of a diagonal route, which is a simple geometric proposition. It would be a simple matter to cut across the main lines by means of a diagonal route, which is a simple geometric proposition.





- 1.) additional roads, radiating like the spokes of a wheel from the center of the metropolitan area, to serve as exits for people
- 2.) an express highway that encircles the city about 10 miles from the edge of the built-up area to intersect every road that leads out of the city
- 3.) a railroad belt line five miles beyond the express highway to provide a direct auxiliary link between existing rails



"The decentralization of our cities...plus the release of the whole communication system from the threat of a disastrous tie-up are reforms which are long overdue, war or no war. [The city] is a place where railroads, telephone and telegraph centers come together, where ideas, information and goods can be exchanged...We believe that the measures we have suggested have an intrinsic tendency to make the city a better organized and safer place to live. They would also serve to thwart the extreme and unhealthy internal growth which is now taking place in most of our big municipalities."



Embodiment  
Dematerialization

**Art** (ārt), *ā*. ME. [a. OF. *art* = L. *artem*, prob. f. *ar-* to fit. The OF. *art*, nom. (sing. and pl.), was also used.] L. Skill. Sing. *art*; no pl. 1. *gen.* Skill as the result of knowledge and practice. a. Human skill (opp. to *nature*) ME. 3. The learning of the schools; see 11. 1. 1a. *spec.* The *trivium*, or any of its subjects -1573. b. *gen.* Learning, science (*arch.*) 1588. 14. *spec.* Technical or professional skill -1677. 5. The application of skill to subjects of taste, as poetry, music, etc.; *esp.* in mod. use; Perfection of workmanship or execution as an object in itself 1620. 6. Skill applied to the arts of imitation and design, *Painting, Architecture*, etc.; the cultivation of these in its principles, practice, and results. (The most usual mod. sense of *art* when used simply.) 1668.

Joseph Kosuth, Art as Idea as Idea, 1967



Atsuko Tanaka, Electric Dress,  
1956

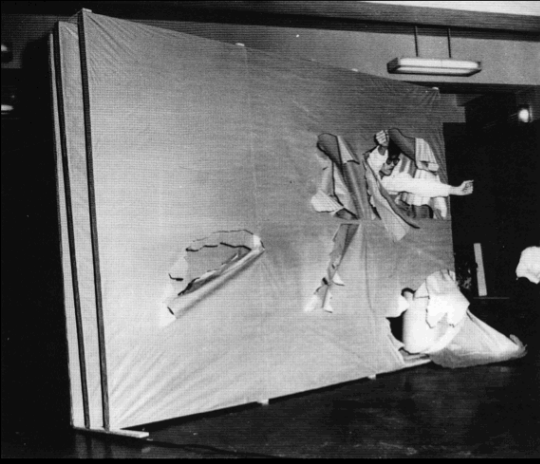
Gutai Group

## Gutai Manifesto [December 1956]

Lock these corpses into their tombs. Gutai art does not change the material but brings it to life. Gutai art does not falsify the material. In Gutai art the human spirit and the the material reach out their hands to each other, even though they are otherwise opposed to each other. The material is not absorbed by the spirit. The spirit does not force the material into submission. If one leaves the material as it is, presenting it just as material, then it starts to tell us something and speaks with a mighty voice. Keeping the life of the material alive also means bringing the spirit alive, and lifting up the spirit means leading the material up to the height of the spirit.



Atsuko Tanaka, Electric Dress, 1956



Saburo Murakami, At One Moment Opening Six Holes,  
1955



Saburo Murakami, Passing Through, 1956







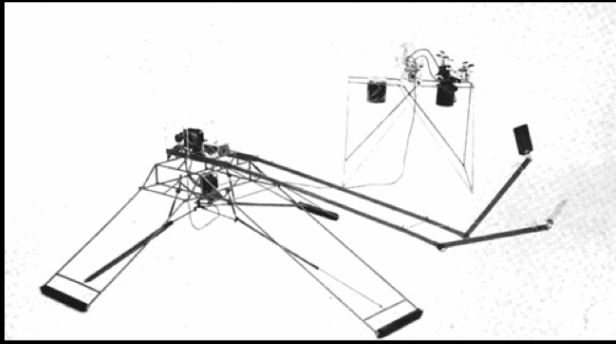
Kazuo Shiraga Challenging Mud 1955



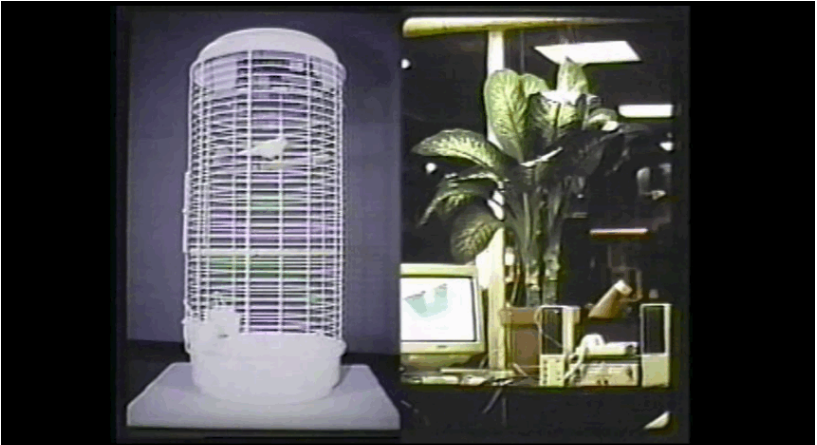
Kazuo Shiraga making a foot painting



Kazuo Shiraga, Chizensei Kirenji, 1961



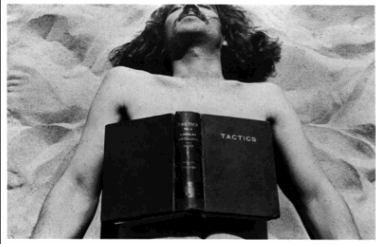
Thomas Shannon, Squat, 1968, electricity, metal, plant



Eduardo Kac, Essay Concerning Human Understanding, 1999

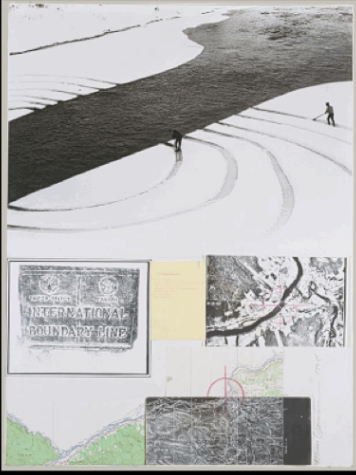


Dennis Oppenheim, Stills from  
Stomach X-Ray, 1970



Dennis Oppenheim,  
Reading Position for  
Second Degree Burn,  
1970





Dennis Oppenheim,  
Annual Rings, 1968





Chris Burden, Doorway to Heaven, 1973



Chris Burden, Shoot, 1971 <http://www.youtube.com/watch?v=JE5u3ThYyI4>



Chris Burden, Transfixed, 1974



David Rokeby, Very Nervous System, in the street in Potsdam in 1993  
1986-2000

<http://www.davidrokeby.com/vns.html>

"What we're up against here are two of contemporary art's guiding imperatives. Rule 1) Justification by meaning: the worth and interest of a work resides in what it's about. Rule 2) Absolute freedom of interpretation: a work is "about" anything that can, at a pinch, be said about it. In short, meanings are arbitrary, but compulsory. And this double bind holds almost universal sway. Whenever you learn that a work explores or investigates or raises questions about something, that it's concerned with issues around this or notions of that or debates about the other, you know you're in its grip. It's weird how people can't resist. If you want to make art sound serious, this is simply the way you do it. Read any gallery wall-caption or leaflet or catalogue, and see how long it is before the writer commends the work solely on the basis of what it's about. And then note how it is isn't really about that at all."

-- David Rokeby

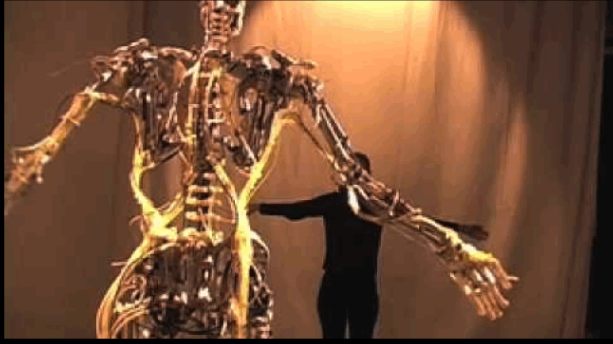


Chico MacMurtrie, The Amorphic Landscape, 2004





A portion of *The Amorphous Landscape*. Visible (from left to right) are the *Tree* with the drumming *Mulabundas*, *Geck* (hanging from the *Tree* branch), the xylophonic *House* and *Rude Boy* (in the background), *Electro Drummer*, *Landscape Mountains*, the *Rope Climber*, *Feisty Children* (in the aperture), and *Transparent Body*.



Chico MacMurtrie and Rick W. Sayre, *Tumbling Man*, 1991

<http://www.youtube.com/watch?v=9n3xRbnyojo>



Chico MacMurtrie, Totemobile, 2008

<http://www.youtube.com/watch?v=BdfNFhHxF7I&feature=youtu.be>



Critical Art Ensemble in Halle/Saale, Germany performing "Radiation Burn: A Temporary Monument to Public Safety", October 15th 2010



Critical Art Ensemble with Beatriz da Costa and Shyh-shiun Shyu,  
Free Range Grain, 2008



Esther Polak and Eva Auzina with Marcus The, MILK, 2004



Locative media provides a democratic conceptual framework, by which to examine certain technological assemblages and their potential social impacts. Locative media strives, at least rhetorically, to reach a mass audience by attempting to engage consumer technologies, and redirect their power.

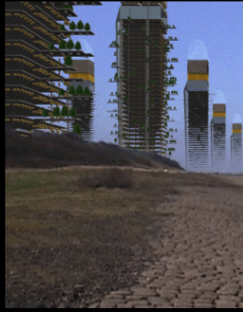


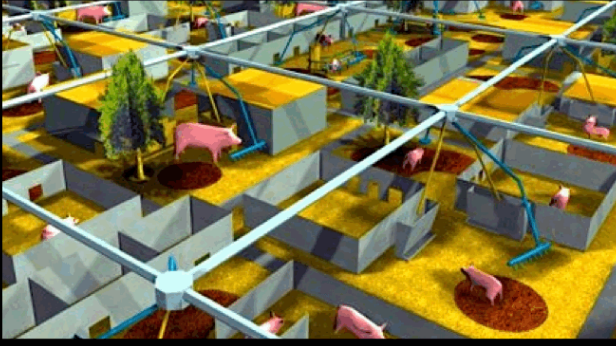


MVRDV, Pig City, 2000



The Rotterdam firm of architects MVRDV is known for its experimental design and is responsible for a good deal of the present Dutch architectural time. They proposed a futuristic concept to overcome the future pork production struggles in the Netherlands. With a production of 16.5 million tons of pork, the Netherlands is the chief exporter of pork within the European Union. In 1999, 15.2 million pigs and 15.5 million humans inhabited the Netherlands. One pig needs an area of 664 m<sup>2</sup>, including current food processing: composed of 50% intensive grain production and 50% industrial by-products. In the case of organic farming, pigs would be fed with 100% grain, leading to a required 130% more field surface due to reduced grain production. This would cause a demand of 1726 m<sup>3</sup> per pig, including the organic food processing. This would mean that there would be only 774 m<sup>2</sup> per person left for other activities. In other words 75% of the Netherlands would be dedicated to pigs. Therefore MVRDV came up with "vertical farming" instead of expanding the production grounds over the Netherlands they will rise up to the sky forming "Pig City" which comprises 76 towers, each 622 meters high and with floors measuring 87 by 87 meters on which pigs are to be kept, so called "Pig flats".





Each flat will be inhabited by an appropriate to the species' number of pigs. Even a balcony to watch the sundown is included.



MVRDV, City Pig/Pig City, 2009  
<http://www.youtube.com/watch?v=x1r5GutrXX4>