

STS 301
INTEGRATIVE SEMINAR
M. Fischer, E. Hammonds, S. Turkle

Agendas and Objectives.

(1) Like the 501 Proseminar Sherry Turkle and Mike Fischer taught last year (with help from Lily Kay), this Integrative Seminar is an attempt to provide a space in the graduate STS program for working out the program's interdisciplinary vision. We would like as many of the graduate students as possible to attend and contribute; but we are also willing, for the time being, to run it as a reading group for a small number of people as a kind of working group. Because we would like the people who took 501 to continue to contribute to this collective project, we want to point out that this is not a repeat of that course, although some of the thematics and goals are the same. New members of the Program: we do not view the existing Proseminars as prerequisites for this seminar — join us and help shape the graduate program.

(2) Interdisciplinary objectives. (a) Because of the dualistic history of the Program (the so-called two tracks of History and Anthropology/Sociology) one sense of interdisciplinary is to cross the history/social-cultural theory boundaries constantly. (b) A second sense of interdisciplinary is to select some substantive arenas in which members of the Program have interests, and to try to see how various theoretical, methodological, or disciplinary approaches can contribute to richer understandings. In 501 last year, three such broad substantive arenas framed discussion: Environmental Issues and Ecology; Biology and the Life Sciences; Computers and Information Technologies. Those three broad foci reappear this year in both our thoughts about the seminar and in the list of Colloquium speakers. In addition we would like to lead up to some richer discussions of the role of the visual media (sketches, imaging, films), and technoscientific imaginaries, including some focussed discussions about the role of metaphor, visions about how social change occurs, about how the public sphere is changing, and about the literary imagination and science and technology.

(3) Space for discussing activities in the Program and new developments in the field: Colloquium, new work in the department, new books/projects. (a) Rather than have the Colloquium be an isolated and scattered set of formal talks, the suggestion was made that this seminar might be a place to do background and follow-up discussions bearing on the colloquia presentations; and perhaps even do invitations to the Colloquium with an eye to the evolution of the course. (b) We have four job talks for the History of Technology and Manufacturing coming up this fall; and there should be a place for those people's projects also to be further explored. (c) Last year we made a point in the Colloquium and 501 to read new works both by members of our Program (Larry Bucciarelli's *Designing Engineers*, and Lily Kay's *The Molecular Vision of Life*) and new works in the field (Emily Martin's *Flexible Bodies*; Mitch Resnick's *Turtles, Termites and Traffic Jams*; Paul Rabinow's early drafts of *Biotechnology Emergent*, to be published later this year by Chicago; Joseph Dumit's work on PET scan; and Kim Laughlin's work on Bhopal). Among things we might draw on this year are the new books by Evelyn Fox Keller, Loren Graham, and Sherry Turkle, the edited volume by Jed Buchwald; as well as of course the new work represented by our Colloquium speakers. (And in not quite physically available form yet: Hugh Gusterson's dissertation will appear as a book later this year; Jean Jackson's book is in press) (d) There ought to be a supportive yet critical space for people to present work in progress less formal than the Colloquium (e.g., Mindell, Bivins, Kay, Fitzgerald all have book length ms that will be either completed or well towards completion this year).

Preliminary Schedule and Coordination

<u>Colloquium (Mondays)</u>	<u>Integrative Seminar (Tuesdays)</u>	<u>Job Talks</u>
Sept. 4 [Labor Day]	no class	W. Bernard Carlson
11 book: Risk Society	Intro: continue book discussion	Thomas Misa; Colleen Dunleavy
18 Rene Fox	Agency and Structure (Gift & Exchange Systems)	David Mindell
25 [Rosh HaShannah]	Social Change & Environmentalism	<u>New Books</u>
Oct 2 Tanya Luhmann	Metaphor & Discourse	Keller, Evelyn Fox
9 [Columbus Day]	[no class- holiday]	
16 Sharon Traweek	What is Science/Diversity of Sciences	Buchwald, Jed, ed.
23 Mitchell Resnick	Computers & Information I	
30 Ted Postal	Computers & Information II	Turkle, Sherry Stone, Alluquere Rosanne
Nov. 6 Bruno Latour	Biology & Medicine I	
13 Mary Jo D. Good	Biology & Medicine II	Good, Mary Jo DeIvecchio
20 Mitch Kapur	Technoscientific Imaginaries	
27 Sandy Stone	Visual Media	
Dec 4 Lee Sproull	Narratives, Performative, Literature & the Public Sphere	Graham, Loren
11 George Marcus	wrap up	Late Editions I, II, III, IV

Draft Syllabus

1. Agency & Structure

- Mauss, Marcel. 1925. *Essai sur le don*. [E.T. *The Gift*], pp. 1-45; Conclusions.
- Fox, Rene & Judith Swazey. 1992. *Spare Parts*. (OUP): Ch. 2 (Organ Transplant as Gift Exchange) and Ch. 3 (Alterations in the Theme of the Gift)
- [Lock, Margaret. 1994. "Contests with Death" In *Life & Death Under High Technology Medicine*. (Manchester)]
- Elster, Jon. 1985. *Understanding Marx*: ch. 5.
- [Lash, Scott, & John Urry. 1994. *Economies of Signs and Space*. (Sage): Introduction: with special attention to Mauss references; read ahead ch. 3, pp 45-49 re. :Mauss and embodied/aesthetic agency]
- [Harvey, David. 1989. *The Condition of Postmodernity*. (Blackwell): Pt I.]

Supplementary:

- Malthus, Thomas. 1830 revised. *A Summary View of the Principle of Populations*
- Marx, Karl. 1857-58. *Grundrisse*. [ET M. Nicolaus, Vintage, 1973]: social relations & exchange value, pp 136-67; circulation & value, 186-203; accumulation & social relations, 221-38; simple exchange, 240-73; exchange of labor, 274-75; labor as objectified value, 304-310; pre-capitalist formations, 471-516.
- Parsons, Talcott. 1937. *The Structure of Social Action*. (Free Press). Chapters on the Utilitarians and Durkheimians.
- Shell, Marc. 1978. *The Economy of Literature*. (JHU)
- Starzl, Thomas. 1992. *The Puzzle People: Memoirs of a Transplant Surgeon* (Pitt)
- Titmuss, Richard. 1970. *The Gift Relationship: From Human Blood to Social Policy*. (Allen & Unwin).

Carlson, W. Bernard.

1991. *Innovation as a Social Process*. Intro & Epilogue/Conclusion
1992. "A Cognitive Framework to Understand Technological Creativity: Bell, Edison, & the Telephone." In R. Weber & D. Perkins, ed. *Inventive Minds*. OUP, pp 45-79.
1992. "Socio-Technical Graphs & Cognitive Maps: Response to Latour et al." *Social Studies of Science*. 22 (1).
1993. "Invention as Re-representation: the case of Edison's Sketches of the Telephone." Conference on Technological Change, Oxford.

Misa, Thomas.

1995. *A Nation of Steel*. (JHU). Ch. 1
1993. "History, Theory, & Technology." *Interntl Cong. Hist. Sci., Zaragoza*
- 1995ms (with Arie Rip and Johan Schot). "Constructive Technology Assessment."

2. Social Change & Environmentalism

- Beck, Ulrich. 1986/92. *The Risk Society*. (Sage.): preface, ch 1,2, 7
- Beck, Ulrich. 1991/95. *Ecological Enlightenment*. (Humanities): ch. 4, 11.
- Cronin, William. 1991. *Nature's Metropolis*: ch. 4.
- Ferry, Luc. 1995. *The New Ecological Order*. (Chicago). Intro.
- Harvey, David. 1989. *The Condition of Postmodernity*. (Blackwell): Pt. III
- Lash, Scott, and John Urry. 1994. *Economies of Signs & Space*. (Sage): ch 1-2 (risk society, reflexive modernization); pp 30-37 (on Beck), 44-49 (on Mauss); ch 4 (on Germany vs Japan vs US & Britain), pp. 296-305 (on ecology).

Supplementary

- Barbour, Michael. G. 1995. "Ecological Fragmentation in the Fifties" In Cronin, W., ed. *Uncommon Ground*. (Norton)
- Bowler, Peter J. 1992. *The Environmental Sciences* (Norton): ch. 11-12.
- Brown, Phil & Edwin J. Mikkelsen. 1990. *No Safe Place: Toxic Waste, Leukemia, and Community Action*. (California)
- Cronin, William, ed. 1995. *Uncommon Ground: Toward Reinventing Nature*. Norton
- Davis, Mike. 1993. "Dead West: Ecocide in Marlboro Country." *NLR*
- Gottweis, Herbert. 1994. "German Politics of Engineering & It's Deconstruction." *Social Studies of Science*.
- Hughes, Thomas. 1994. "Modern & Postmodern Engineering." Lecture, MIT.
- Kelley, Kevin. 1994. *Out of Control: The Rise of Neo-Biological Civilization*. (Addison-Wesley): reconstructing ecosystems, pp 77-84; Lovelock and Gia, pp. 92-99; *Biosphere 2*, 132-64).
- Liotard, Jean-Francois. 1979. *The Postmodern Condition: A Report on Knowledge*. (ET 1984, Minn)
- Misa, Thomas. "History, Theory & Technology." *Interntl Cong. Hist. Sci, Zaragosa*.
- Reich, Michael. 1991. *Toxic Politics*. (Cornell).
- Rip, Arie, Thos Misa, Johan Schot. 1995ms. "Constructive Technology Assessment."
- Schulman, Seth. 1992. *The Threat at Home: Confronting the Toxic Legacy of the U.S. Military*. (Beacon)
- Wildavsky, Aron. 1995. *But Is It True*. (Harvard): (on Rachel Carson, pp 19-26, ch. 2; on Superfund Sites, ch. 5)
- Wilson, Alexander. 1992. "On the Frontiers of Capital: Nuclear Plants and Other Environmental Architectures." *The Culture of Nature*, ch. 8 (Blackwell).

Dunlavy, Colleen. 1994. *Politics and Industrialization*: intro.
 Mindell, David (see week 3)

3. Metaphor & Discourse

- Foucault, Michel. 1963/73. *The Order of Things*. (Pantheon): opening
- Foucault, Michel. 1978. *The History of Sexuality*: intro, pt V
- Fromkin, A. Michael. 1995. "The Metaphor is the Key: Cryptography, The Clipper Chip, and the Constitution." *Univ. of Penn. Law Review* 709
- Galison, Peter. 1994. "The Ontology of the Enemy: Norbert Weiner and the Cybernetic Vision." *Critical Inquiry*, 21: 228-231.
- Haraway, Donna. 1991. "Cyborg Manifesto." and "Situated Knowledges." In *Simians, Cyborgs, and Women*. (Routledge).
- Haraway, Donna. 1995. "Universal Donors in a Vampire Culture." in Cronin, W., ed. *Uncommon Ground*. (Norton).
- Keller, Evelyn Fox. 1995. *Refiguring Life: Metaphors of Twentieth Century Biology*. (Columbia)
- Lash, Scott, and John Urry. 1994. *Economies of Signs & Space*: pp. 51-56 (symbol v allegory)
- Martin, Emily. 1994. *Flexible Bodies*. (Beacon).
- Mindell, David. 1995. *Dissertation* ch. 3 & 4 (through theory of servomechanisms)
- Stepan, Nancy. 1986. "Race and Gender: The Role of Analogy in Science." *Isis*, 77(287):261-77; repr in S. Harding, ed. *The Racial Economy of Science* (Indiana 1993).

something short/pithy from Lacan?

Supplementary

Derrida, Jacques. "White Mythology."

something short/pithy from Lacan?

Supplementary

- Derrida, Jacques. "White Mythology."
- Haraway, Donna. 1993. "Modest Witness, Second Millenium: The female Man Meets OncoMouse." Paper, British Association of Social Anthropology.
- Hayles, N. Katherine. 1995. "Making the Cut: The Interplay of Narrative and System, or What Systems Theory Can't See." *Cultural Critique*, 30:71-100.
- Hayles, N. Katherine. 1995. "Simulated Nature and Natural Simulations: Rethinking the Relation between the Beholder and the World." In Cronin, W., ed., *Uncommon Ground*. (Norton).
- Hesse, Mary. 1988. "Theories, Family Resemblances and Analogy." In D.H. Helman, ed. *Analogical Reasoning*. (Kluwer) 317-40.
- Lakoff, George. 1995. "Body, Brain, and Communication." In James Brook & Iain Boal, ed. *Reisting the Virtual Life*. (City Lights).
- Levi-Strauss, Claude. 1949. "The Effectiveness of Symbols." *Structural Anthropology*
- Weber, Max. [1920s]1956/68. *Economy & Society*: Guenther Roth's "Intro" pp 33-40, 66-107; Weber, on understanding & meaning pp 1-31; legitimacy 31-38; types of legitimate domination, 212-16, 941-48
- Winograd, Terry. 1995. "Heidegger and the Design of Computer Systems." In A. Feinberg & A. Hannay, ed. *Technology & the Politics of Knowledge*. (Indiana)

4. What is Science/Diversity of Sciences

- Jones, Mary McAllister. 1991. *Gaston Bachelard, Subversive Humanist*. (Wisc): ch. 1
- Biagioli, Mario. 1994. *Galileo, Courtier*. (Chicago). [revisit Mauss]
- Traweek, Sharon. 1988. *Beamtimes and Lifetimes*. (Harvard)
- Beck, Ulrich. 1991/95. (two kinds of science, p 15ff) "Politics in Risk Society"
Ecological Enlightenment. [revisit Beck]
- Galison, Peter. 1995. "Context & Constraint." In J. Buchwald, ed. *Scientific Practice*. (Chicago)
- Hacking, Ian. 1982. "Language, Truth, & Reason." In M. Hollis & S. Lukes, ed. *Rationality & Relativism*. (MIT)
- Jasanoff, Sheila et al. 1995. *Handbook of Science and Technology Studies*. (Sage)
- Kuhn, Thomas. 1994. "The History of Science." IESS.
- Lacan, Jacques. 1973/77 *The Four Fundamental Concepts of Psycho-Analysis*. -eg. p. 8 passim ?
- Levi-Strauss, Claude. 1962/66. *The Savage Mind*. (Chicago): ch. 1. "The Science of the Concrete"
Ch. 9 "History and Dialectic"
- Traweek, Sharon. "Kokusaika (International Relations), Gaiatsu (Outside Pressure), and Bachigai (Being Out of Place)."
- Traweek, Sharon. 1992. "Border Crossings: Narrative Strategies in Science Studies and among Physicists in Tsukuba Science City, Japan." In Pickering, A., ed. *Science as Practice and Culture*. (Chicago)
- Tsing, Anna. 1994ms. on Environmental ?
- Westman, Robert. 1994. "Two Cultures or One? A Second Look at Kuhn's The Copernican Revolution." *ISIS* 85(1):79-115.

Supplementary

- Alexandrov, Denis A. 1994. "Historical Anthropology of Science in Russia."
St. Petersburg Workshop: Science & Technology with a Human Face.
- Bowler, Peter J. 1992. *The Environmental Sciences* (Norton): ch. 11-12.
- Callebaut, Werner. 1993. *Taking the Naturalistic Turn, or How Real Philosophy of Science is Done*. (Chicago).

- Feyerabend, Paul. new intro to *Against Method*.
- Galison, Peter. 1994. "History of Physics: The Material Culture of the Laboratory." Paper for St. Petersburg Workshop.
- Galison, Peter. 1990. "Aufbau/Bauhaus: Logical Positivism and Architectural Modernism." *Critical Inquiry*.
- Golinski, Jan. 1992. *Science as Public Culture: Chemistry and Enlightenment in Britain 1760-1820*: intro and ch. 3.
- Koerner, Lisbet. 1994. "Goethe and Botany." *ISIS*.
- Latour, Bruno. 1988. *Pasteurization of France*. (Harvard).
- Latour, B. and Steve Woolgar. 1979. *Laboratory Life*. (Sage) ch. 3
- Levi-Strauss, Claude. 1962/66. *The Savage Mind*. (Chicago): ch. 2-8.
- Nandy, Ashis. 1980. *Alternative Sciences: Creativity and Authenticity in Two Indian Scientists*. (Allied).
- Pickering, Andrew. 1995. "Beyond Constraint." In J. Buchwald, ed.
- Pickering, A. 1995. new bk *Mangle*
- Shapin, Steven and Simon Shaffer. 1985. "Intro." *Leviathan and the Air Pump*.
- Shapin, Steven. 1994. *Social History of Truth, Civility & Science in 17th cent. England*. (Chicago).
- Visvanathan, Shiv. 1988. "Atomic Physics: The Career of an Imagination" In Nandy, Ashis, ed. *Science, Hegemony, and Violence*. OUP

5. Computers & Information Technologies I (New Metaphors of Decentralization, A-life)

- Resnick, Mitchell. 1994. *Turtles, Termite & Traffic Jams*. (MIT)
- Emmeche, Claus. 1994. *The Garden in the Machine*. (Princeton)
- Kelly, Kevin. 1994. *Out of Control*. (Addison-Wesley): selections

6. Computers & Information Technologies II (Computers & Postmodern Discourse)

- Stone, Allucquere Rosanne. 1995. *The War of Desire & Technology at the Close of the Mechanical Age*. (MIT).
- Turkle, Sherry. 1995. *Life on the Screen: Identity in the Age of the Internet*. (Simon&Schuster)
- Sproull, Lee--??

Supplementary.

- Benjamin, Walter. "The Work of Art in the Age of Mechanical Reproduction." E.T. 1969. *Illuminations*, ed. Hannah Arendt. (Schocken).
- Poster, Mark. 1990. *The Mode of Information*. (Chicago): pp 1-10, ch. 2
- Stone, Allucquere Rosanne. 1993. "Will the Real Body Stand Up?" in M. Benedikt, ed.
- Stone, Allucquere Rosanne. 1995. "Innocence and Awakening: Cyberdaemmerung at the Ashibe Research Laboratory." *Late Editions II*.
- Turkle, Sherry. 1990. "Epistemological Pluralism: Styles and Voices within the Computer Culture." (with Seymour Papert). *Signs* 16(1):128-57
- Turkle, Sherry. 1994. "Project Athena at MIT" (with Donald Schon). In D. Schon & M. Rein, ed. *Frame Reflection*. Basic.
- Turkle, Sherry. n.d. "Paradoxical Reactions and Powerful Ideas: Educational Computing in A Department of Physics."

7. Biology & Medicine I: Laboratories and Populations

Foucault reading on biopower?

Latour, Bruno. 1988. *The Pasteurization of France*.

Marglin, Frederique Apffel. 1990. "Smallpox in Two Systems of Knowledge." In F.A. & S.A. Marglin, ed. *Dominating Knowledge: Development, Culture, and Resistance*. (OUP)

Nandy, Ashis. 1990. "Modern Medicine and Its Nonmodern Critics: A Study in Discourse." In *ibid.*; reprinted in Nandy, 1995. *The Savage Freud*. (OUP).

Rapp, Rayna. 1990. "Constructing Amniocentesis: Maternal and Medical Discourses". In Faye Ginsburg & Anna Tsing, ed., *Uncertain terms: Negotiating Gender in American Culture*. Beacon.

?Evelynn--something on cholera?

Latour, Bruno & Steve Woolgar. 1979. *Laboratory Life*: ch. 3 (The Case of TRF(H); and Postscript to 2nd edition.)

Hacking, Ian. 1988. "The Participant Irrealist at Large in the Laboratory." *Br. J. Phil. Sci.* 39, pp. 277-294.

Tilley, Nicholas. 1981. "The Logic of Laboratory Life." *Sociology*. 15:117-126.

Supplementary (Journalism, History, & Ethnography)

Angier, Natalie. 1988. *Natural Obsessions: The Search for the Oncogene*. (Houghton-Mifflin)

Judson, Horace Freeland. 1979. *The Eighth Day of Creation*. (Simon & Schuster)

Kay, Lily. 1995. "History of Molecular Biology" Talk to Jnt MIT-Harvard Seminar in Cultural Studies of the Biosciences and Biotechnologies.

Lyon, Jeff and Peter Gorer. 1995. *Altered Fates: Gene Therapy and the Retooling of Human Life* (Norton).

Pickstone, John. 1995. "Past & Present Knowledges in the Practice of the History of Science." *History of Science*, 33: 203-224.

8. Biology & Medicine II

Constructing Science out of Clinical Data

Good, Mary-Jo D., Irene Kuter, et al. 1995. "Medicine on the Edge: Conversations with Oncologists." *Late Editions II*.

Good, Mary-Jo DeVecchio. 1995. *American Medicine: The Quest for Competence*. (Calif)

Rosenfeld, Steven. 1992. *The Transformed Cell: Unlocking the Mysteries of Cancer*. (Putnam)

Martin, Emily. 1994. *Flexible Bodies*.

Cunningham, Andrew. 1992. "Transforming Plague: The Laboratory and the Identity of Infectious Disease." A. Cunningham & P. Williams. *The Laboratory Revolution in Medicine*.

Treichler, Paula A. 1987. "AIDS, Homophobia, & Biomedical Discourse: An Epidemic of Signification." *October*, 43: 31-70.

9. Technoscientific Imaginaries

Evelynn on morphing: SimEve, Beneton

(a) Sci Fi

Butakaman, Scott. 1993. Terminal Identity. Duke. (selections)

Supplementary (Other Sci Fi Lit Crit)

Adams, Alice. 1994. Reproducing the Womb: Images of Childbirth in Science, Feminist Theory and Literature. (Cornell): ch 4, 9-13.

Moylan, Tom. 1986. Demand the Impossible: Science Fiction and the Utopian Imagination. (Methuen)

Roberts, Robin. 1993. A New Species: Gender & Science in Science Fiction. Ill. Sussman - Cyber

Exemplars: Greg Bear (Blood Music), Pat Cadigan (Synners), William Gibson (Neuromancers), Neal Stephenson (Snow Crash, Zodiac, Diamondhead), Joanna Rus, Octavia Butler, Bruce Sterling.

(b) "Serious" Fiction: Pynchon, Calvino, Joyce

(c) Reading Technoscientific Postmodern Criticism

Ronnell, Avital. The Telephone Book (Nebraska)

[revisit W. Bernard Carlson - papers on Bell & Edison & the telephone]

Supplementary

Kittler, Friedrich. 1985/90. Discourse Networks 1800/1900 (Stanford).

Rickels, Lawrence. The Case of California.

(d) Films: Bladerunner, To the End of the World, Fresh Kill

10. Visual Media

Krasner, James. 1992. The Entangled Eye. (OUP): ch. 1 (on Darwin)

? Ian Hunter video lecture?

(a) Sketches, imaging, modelling, representing

??? - Evelynn: something on mamography

Carlson, W. Bernard. 1993. "Invention as Re-representation" (op cit)

Carlson, W. Bernard. 1992. "Socio-technical Graphs & Cognitive Maps" (op cit)

Dumit, Joseph. 1994. "A Digital Image of the Category of the Person: PET Scanning and Objective Self-Fashioning." SAR Conference Paper.

Gilman, Sander. 1988. "Seeing the AIDS Patient." Disease and Representation.

Glasgow, Janice, N. Hari Narayanan, & B. Chandrasekaran. 1995. Diagrammatic Reasoning.

Latour, Bruno. 1988repr 1990. "Drawing Things Together." In M. Lynch and S. Woolgar, ed., Representation in Scientific Practice. MIT.

Koch, Ellen. 1995. Why the Development Process Should be part of Medical Technology Assessment: Examples from the Development of Medical Ultrasound. In Rip, Misa, and Schott.

Supplementary

Blume, Stuart. 1991. Insight & Industry: On the Dynamics of Technological Change in Medicine. (MIT)

Crary, Jonathan. 1990. Techniques of the Observer. MIT.

- Duden, Barbara. 1993. *Disembodying Women: Perspectives on Pregnancy and the Unborn*. (Harvard)
- Jay, Martin. 1993. *Downcast Eyes: The Denigration of Vision in Twentieth Century French Thought*. (Calif)
- Koch, Ellen. 1990. *The Process of Innovation in Medical Technology: American Research on Ultrasound, 1947-62.* Ph.D. diss., U. Pa.
- Lewin, David M. 1993. *Modernity & the Hegemony of Vision*. (Calif)
- Lynch, Michael and Steve Woolgar, ed. 1988/90. *Representation in Scientific Practice*. MIT.
- Mack, Pamela. 1990. *Viewing the Earth: The Social Construction of the Landsat Satellite System*. (MIT)
- Stafford, Barbara Maria. 19 . *Body Criticism*. (MIT)
- Stafford, Barbara Maria. 1994. *Artful Science*. (MIT)

(b) Using the visual for cultural critique

- Davis, Mike. 1993. "Dead West: Ecocide in Marlboro Country." NLR
- Nagatani, Patrick. 1991. *Nuclear Enchantment*. U.N.M.

Suppl. : Buck-Morss, Susan. 1989. *The Dialectics of Seeing: Walter Benjamin and the Arcades Project*. (MIT)

11. Narratives, Performatives, Literature & the Public Sphere

White, Hayden - *Metahistories: Intro*

Brooks, Peter. 1984. "Fictions of the Wolf Man: Freud and Narrative Understanding." *Reading for the Plot*. (Random House), pp 264-85.

Good, Byron, H. Herrera, Mary-Jo DeVecchio Good, and J. Cooper. 1982. "Counter-transference, reflexivity, and interpretation in a psychiatric cultural consultation clinic." *CMP* 6:281-303.

Graham, Loren. 1995. *A Face in the Rock: The Tale of a Grand Island Chippewa*. (Island)

Sarris, Greg. 199 . *Keeping Slug Woman Alive: Essays toward a Holistic Approach to American Indian Texts*. ch 5 "Hearing the Old Ones Talk: Reading Narrated American Indian Lives in Elizabeth Colson's 'Autobiographies of Three Pomo Women'; & ch. 8 "Keeping Slug Woman Alive: The Challenge of Reading in a Reservation Classroom."

Levi-Strauss on Objiway myths? Tony Wallace

Vizenor, Gerald. Video, "Harold of Orange"; *Darkness in Saint Louis Bearheart*.

Vizenor, Gerald. 1989. "Trickster Discourse: Comic Holotropes and Language Games." In Vizenor, ed., *Narrative Chance: Postmodern Discourse on Native American Literatures*. (U.N.M.)

Owens, Louis. 1989. "Gerald Vizenor's *Darkness in Saint Louis Bearheart*." in Vizenor, ed.

Supplementary (figurations in the text)

McRae, Murdo William. 1993. *The Literature of Science: Perspectives on Popular Scientific Writing*. (Georgia): Egger, Porush, etc.

Midgely, Mary. 1992. *Science as Salvation: A Modern Myth & It's Meaning* (Routledge)

Sherry on "Pocahantas"

Final session: Reflections on key journals (*Configurations*, *Isis*, *Science & Culture*, *Late Editions*) anthologies (Jasanoff et al. *Handbook*; Callebaut vol. on *Philos of Sci*)

Short Reaction Paper (Pick One):

- (1) Discuss the usefulness of debates about the diversity and historicity of the sciences in terms of the styles of science or of reason (Hacking, Levi-Strauss, Beck, Lacan) or the production of scientific objects (Foucault), or the social forms in which science is embedded (Biagioli, Latour, Levi-Strauss and Mauss, Beck).
- (2) Discuss the work of metaphor, analogy, objects to think with, or the operations of the visual (EFK, Emily Martin, Turkle, Luhrmann, Hesse, Derrida, Latour, Gilman).
- (3) Discuss the uses and or interferences of desire in the construction of illness narratives or other arenas of research that cross between the "scientific" and the "practical, clinical or applied. (Luhrman, Good, Hacking, Ronnell).

Longer Final Reaction Paper (Pick One)

- (1) Discuss the uses/interferences of desire as an object of study and as a challenge to naive philosophies or sociologies of science (Turkle, Hacking, Lacan, Ronnell).
- (2) Discuss the uses of film, fiction, or the "lively languages" to explore the technoscientific imaginaries of past, contemporary, or future-imaginary historical horizons. What is it that these forms can accomplish that straight prose plaintext cannot?

handout

Environmental Protection local stories in the Boston Globe 1995-1993

1995

first of 3 safety/adequacy tests of \$20 m incinerator for 102 toxic chemicals in soil at Baird & McGuire factory (Holbrook, MA)	L	Ja 15 - 25:4
continue to dump sewage into Boston Harbor until late 1997: 1st time in 9 years the \$4.3 b cleanup seriously behind schedule	L	Ja 16 - 1:1
Deer Island sewage treatment plant begins	M	Ja 20 - 20:2
\$38m state fund to clean up underground leaking fuel storage diverted to buy new autos and furniture for officials	M	Ja 23 - 15
Boston Harbor	L	Ja 29 - 1:1
toxic mercury: New England is one of nation's hot spots (emissions from coal-burning plants & incinerators)	M	Ja 27 - 19:2
electroplating plant cleanup (Roxbury)	M	Apr 12- 31:1

1994

Molten Metal Technology, one of 9 Mass. firms vying for stake in Mexico environmental cleanup	M	Ja 18 - 35:2
clean-up plan for Salem Sound	L	Ja 23 - N1:5
underwater PCB spill w incinerator cleanup plant (contrast 1993 Feds forcing New Bedford to accept chemical incinerator plant)	M	Ja 29- 22:5
Superfund site: Ashland, Mass	L	F 20 - WW1:5
Auburndale, Mass	M	Ap 4 - 15:3
Muddy River pollution	L	My 1 -CW1:5
Regional EPA strategy against environmental racism	M	Je 12 CW 1:1
six new defense installations in New England put on serious hazardous waste list	L	Je 1 - 21:1
pollution of shell fish beds, Quincy to Plymouth	L	Jul 17-WW1:1
Cape Cod drinking water: Pentagon to spend \$250m	L	Je 19 - SW1:2
Baird & McGuire cleanup, Holbrooke Mass	L	Apr 1 -25:1; L Apr 14-SW1:3; L N 27 - SW1:1
Acton, Mass	L	S4 - NW 1:5
Boston Harbor	L	S 8 - 25:3
60+ environmental lawyers pro bono to low income/minority communities	L	S 24 -13:5
exports of hazardous waste	L	D1 - 36:4
	L	D12 - 23.5

1993

9 Tibetan monks claim to clean up Boston Harbor	M	F 24 - 1:2
Woburn's Industri-Plex Industrial Park = 5th most polluted in US	L	Mr 7 - A1:2
13 acre site, Salem	M	Mr 27 - 25:1
new methods	L	Mr 29 - 25:1
sewage system upgrades	L	My 23 - N 1:1
Yankee Rowe Nuclear Plant closed Oct 91 bec safety, yet featured in ads stressing safety of nuclear power	M	Ja 14-13:1
Plymouth cleanup completed	M	F 28 - 18:3
Hydro-Quebec: environ; Native Amer rights; power for Northeast	M	N23 - 21:1
Martha Munzer (1st woman MIT degree in EE, 1922) raises environmental awareness at MIT	M	Mr 26 - 28:1
envirotech industries in Mass: 1300 co.s, \$9b sales	L	Je 9 - 77:4
wildlife comeback & problems of	M	Je 14-81:6
Wm Cronin interview	L	Je 17 - 29:5
Winner, Wagner, & Mandabach campaign for magmt vs envir. issues	L	Je 21 - 77:1
Boston Harbor cleanup under US Dist Ct Judge A David Mazzone	L	N22 - 74:1
tax payer revolt vs increasing water/sewage rate to pay for		

[over]

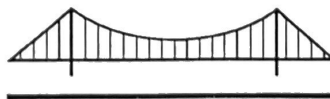
9 1/2 mi outfall tunnel may pollute Bay	M	My 27-11:1
safety violations by lead contractor, Boston based Kiewit, Atkinson, Kenny	M	D3 - 47:2
N.H. old buried steel tanks	L	F9 - NH 1:1
Paul Levy, ex-head Mass Water Res Authority to aid in clean up of Ganges	L	F 23 -64:1
Mass EPA lists 5,000 hazardous waste sites	M	My 4 - 17:6
adds 500 new sites	L	S 25 - 72:6
441 drums of arsenic toxics dropped into N.J. fishing waters during Jan '92	M	Mr 19 - 64:4
storm by Greek ship Santa Clara	M	Apr 9 - 41:1
6 Mass radioactive sites ordered cleaned up w/in 3 years by NRC	M	Apr 19 - SW 1:5
toxic waste incinerator at Baird & McGire Superfund site, Holbrook, Mass	M	Je 21 - WW 4:5
Federal contract let	M	Je 21 - 21:2
former textile dye plant, Nyanza Inc, Ashland, Mass	M	Ag 14 - 22:1
Boston Harbor: Diamond R Fertilizer of Ft Pierce, Fla offers to buy pellets,	M	S 6 - 1:1
but concern re. safety of Florida produce	M	S 17 - 39:2
fertilizer from sludge plant, Quincy	M	S 17- 39:2
Boston Harbor bottom	M	O 5 - 15:6
incineration of 120 tons of toxic PCBs on bottom of Acushnet River poses	L	O 11 - 75:2
risk to New Bedford which would not be imposed on wealthier community	L	O 18 - 44:6
Boston Harbor: \$6.1 b clean-up: no progress in reducing amount of toxic	L	O 28 - 29:1
chemicals going into the ocean	M	
Woburn toxic site after clean-up will be made into commuter rail station	M	
environ claims will be single largest financial threat to Mass insurance indus	L	
Mass Military Res cleanup to begin (Superfund site)	L	
excise tax on hazardous materials (Q 4 on ballot) to be used for cleanup	M	

THE 1995 FALL COLLOQUIA

PROGRAM IN SCIENCE, TECHNOLOGY, AND SOCIETY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

- September 11** **Book Discussion**
- September 18** **After Thoughts: Continuing Sociological Reflections on Organ Transplantation**
Renée C. Fox, University of Pennsylvania
(Bartos Theatre, MIT E15, lower level)
This presentation is the 1995 Arthur Miller Lecture on Science and Ethics
- October 2** **Psychiatric Moralities**
Tanya Luhrmann, University of California, San Diego
- October 16** **Warning Signs: Acting on Gendered Images in Japan and the United States**
Sharon Traweek, University of California, Los Angeles
- October 23** **Beyond the Centralized Mindset:
 Does Decentralized Computing Encourage Decentralized Thinking?**
Mitchel Resnick, MIT
- October 30** **SCUDs, Lies, and Video Tape:
 The Gulf War Experience with the Patriot Missile Defense**
Ted Postol, MIT
- November 6** **Are Science Studies Anti-Science?**
Bruno Latour, Ecole Nationale Supérieure des Mines de Paris, France
- November 13** **The Biotechnical Embrace and the Culture of the
 Clinic in American Medicine**
Mary-Jo DelVecchio Good, Harvard Medical School
- November 20** **Title TBA**
Mitchell Kapor, MIT
- November 27** **The War of Desire and Technology at the Close of the Mechanical Age**
Rosanne Alluquerre Stone, University of Texas, Austin
- December 4** **Where's the Group? Social Science Research on Electronic Groups**
Lee Sproull, Boston University
- December 11** **The Late Editions Project and
 "Anthropology as Cultural Critique" Ten Years Later**
George Marcus, Rice University



All colloquia are at 4:00 p.m. in Building E51, Room 095 (old room number E51-004)
 70 Memorial Drive, unless otherwise indicated. For further information, please call 253-4062.