

University of California  
College of Engineering  
Department of Electrical Engineering  
and Computer Science  
Computer Science Division

cs195  
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Clark Thompson

**Social and Economic Implications  
of Computer Technology**

**List of Speakers**

- 1/29 Lee Halterman, ACLU Board Member, "Privacy and electronic surveillance"
- 2/5 Art Kleiner, Telecommunications Editor for the *Whole Earth Software Catalog*, "The next telephone company"
- 2/12 Peter G. Neumann, SRI staff scientist, "Risks to the public in computer systems"
- 2/19 Richard Dalton, UCB School of Library and Information Studies, "The adaptive office"
- 2/26 George Tansill, former VP at Fortune Systems, "Life as a programmer in Silicon Valley"
- 3/5 In 117 Dwinelle, videotape of MIT debate, "Star Wars: Can the computing requirements be met?"
- 3/12 Tom Athanasiou, journalist, "Privacy, technology and the national security state"
- 3/19 Dennis Hayes, journalist, "Warning: computers may be hazardous to your health"
- 3/26 Michael Borrus, UC Berkeley Roundtable on the Industrial Economy, "Responses to the Japanese challenge in high technology"
- 4/2 Hubert Dreyfus, UCB Philosophy, "Conventional AI as a degenerating research program"
- 4/9 G. Gervaise Davis III, senior principal of Schroeder, Davis, and Orless Inc., "Clones, compatibility, and copyright law"
- 4/16 No class (Spring break)
- 4/23 Doug Cooper, UCB CS Division, "Public interest consulting: the Berkeley police computer"
- 4/30 Summary and open discussion

## Table of Contents

### I. General topics

Gottlieb, "Computers—a gift of fire"

2/12 Neumann (ed.), excerpts from *Risks-1.1*

### II. A philosophical debate on AI

4/3 Searle, "Minds, brains, and programs"

Hofstetter, "Reflections"

### III. Computers and the military

3/5, 4/3 Stefik, "Strategic computing at DARPA: overview and assessment"

Berry, "Electronic combat in operation"

Nelson and Redell, "The Star Wars computer system"

Parnas, "The Parnas Papers"

Thompson, "Military direction of academic CS research"

Horgan, "SDI funding raises questions about controls on university research"

### IV. Technology transfer

3/19 Truxal, "Buying, selling, and trading technology"

Larrmore and Johnson, "Export control sessions at SPIE symposia"

The White House, "Statement by the principal deputy press secretary"

Moffett, "U.S. relaxes scientific data policy"

### V. Paranoia?

North, *Remnant Review 12*: 20-21.

Neumann (ed.), excerpts from *Risks-1.28* and *Risks-1.29*.

Laudon, "Data quality and due process in large interorganizational record systems"

### VI. Workplace issues

2/19 Cooney, "Architect or bee?"

2/19 Taylor, "Scientific management"

2/19 Simon, "Decision making and organizational design"

2/26 Kraft, "Deskilling and fragmentation"

3/12 Grossman, "Women's place in the integrated circuit"

3/12 Harvard Medical School, "VDTs—a new social disease?"