"Notes on Computer Technology and Society."

by

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## Outline

 Dangers pointed out by Dr. Donald N. Michael in Cybernation: The Silent Conquest.

## Problem:

- a. Take-over of control of society by elite group of cybernèticians and computer experts.
- b. Emphasis on "logic" and other factors tends to recruit 'authoritarian personalities' in decision making organizations using computer technology.

# Possible Solution:

- a. Development of computer -communication systems in which government administrator, congress-man, and layman can experience human-to-machine relationships can develop distribution of understanding.
- b. Interdisciplinary and multidisciplinary developments such as general systems theory can help develop a balanced outlook.
- 2. What is the social responsibility of engineers?

  - b. Canons of Ethics for Engineers and Rules of Professional Conduct:

Sec. I; sec 14; and rule 52 (1963 edition)

# Engineers' Creed

a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare.

Ppledge-:

To give the utmost of performance;

To participate in none but honest enterprise;

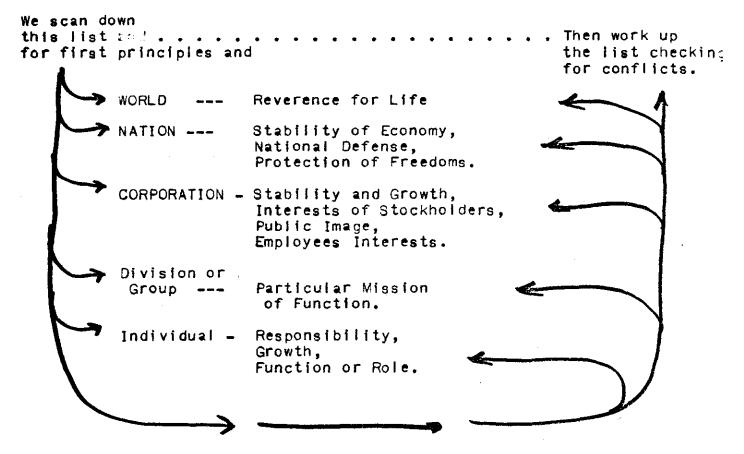
To live and work according to the laws of man and else highest standards of professional conduct;

To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations.

of m humility and with resed for Divine Guidance, I make this pledge.

Notional Society of Defectional Engineers

3. How do we check as the applicability of "Public Welfare Above All Other Considerations"?



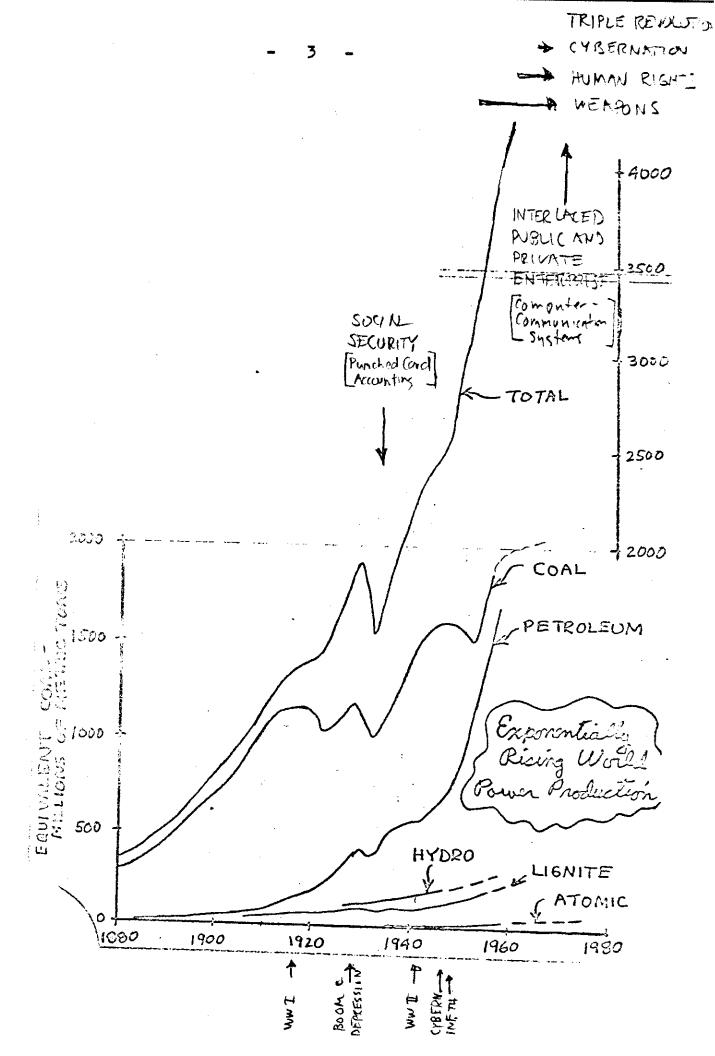
4. . Socio-Economic Analysis Guided by Maximizing Negantropy.

See SEPR No. 76-A

5. Sociological and Philosophical Approach to Computer Market Potentials and Interaction with Social Issues:

See SEPR No. 77-A.

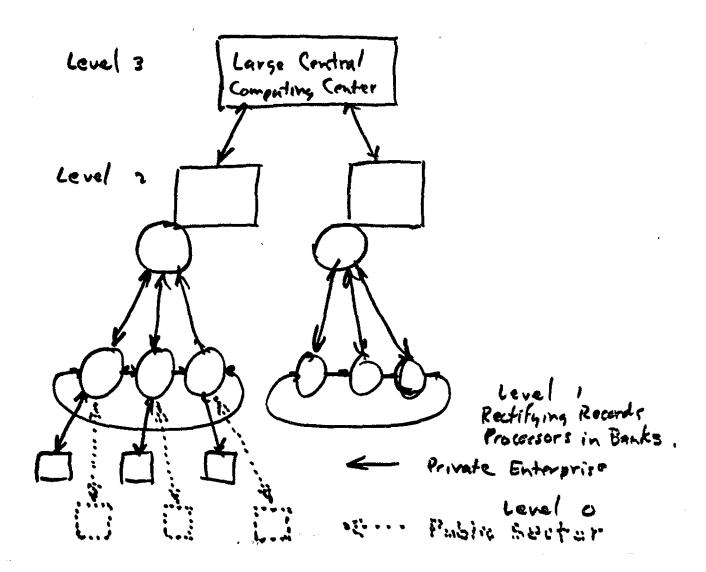
6. Transition from Power Era into Communication Era:



- 7. The Challenge of the Socialist Systems:
  - a. Moscow: "Cybernetics at the Service of Communism."
  - b. Warsaw: Educational models of planned economies.
  - c. Murmansk: Folded Input-Output Tables for better understanding of the economic system.

## 8. What can U.S.A. do?

Consider Interlaced Public and Private Enterprise System with Decoupled National Planning.



Only consolodated summary data is allowed to get into government records, thus protecting private data of individual entemprises.

# 9. Features of Interlaced Economic System:

Wages of Worker is sum of three parts:

- (I) Minimum family subsistence regardless of work performed. [Derived from Force Era traditions] Linear/Individual
- (2) Wages for Economic-Value Services
  [Derived from Poser Era traditions]
   Proportional to Power or Work/Time
- (3) Wages for Cultural Value Services [Derived from Communication Era projections.] Information Units or plog p measure.

Basic financial structure is that primary employer pays the wages of class (i) and (2) and receives credits against taxes through data processing system for his authorized expenditures in class (l) and (3).

MANUFACTURER receives bonus payments over established price for difference between cultural-value and economic value on sales to special customers.

For example, sales to communist party and John Birch Society would qualify for bonus payments. — figures by negentropy value less standard price.

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Stage: Charts Outline

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