

A Working Paper Project
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SOCIO-ENGINEERING PROBLEMS NO. 82

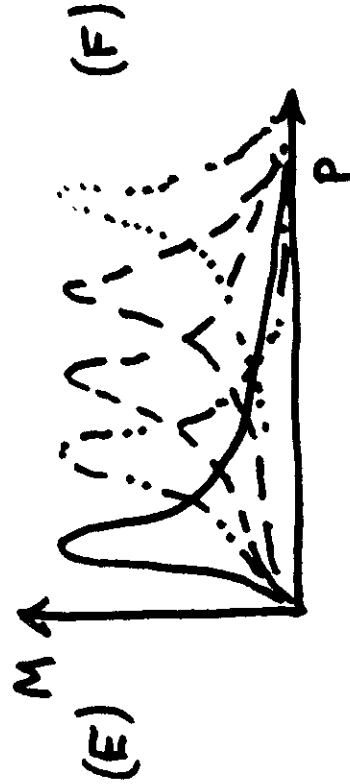
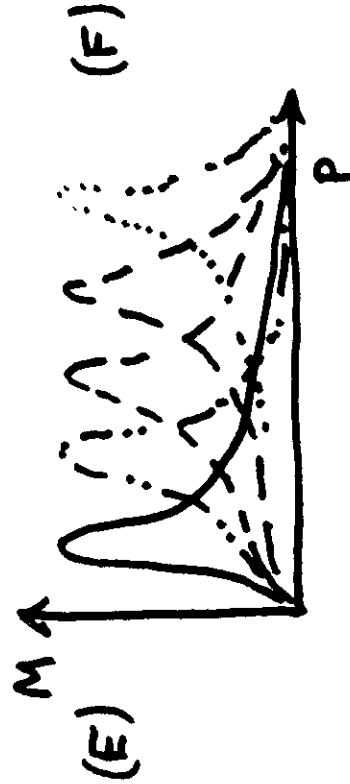
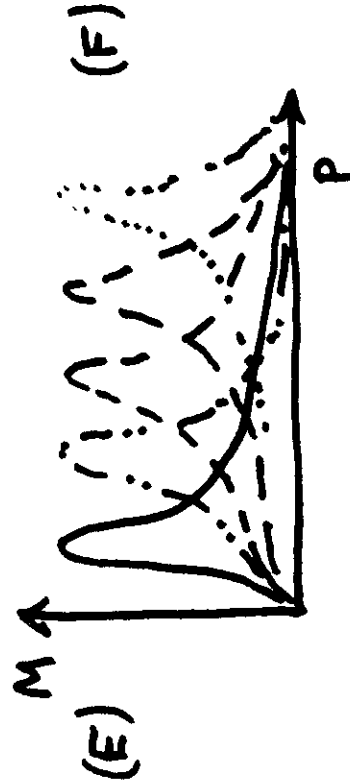
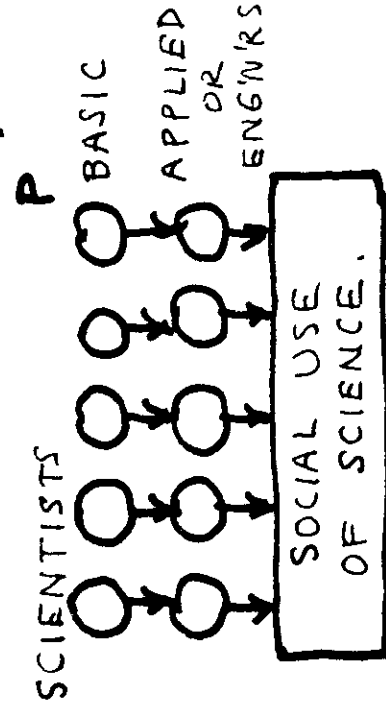
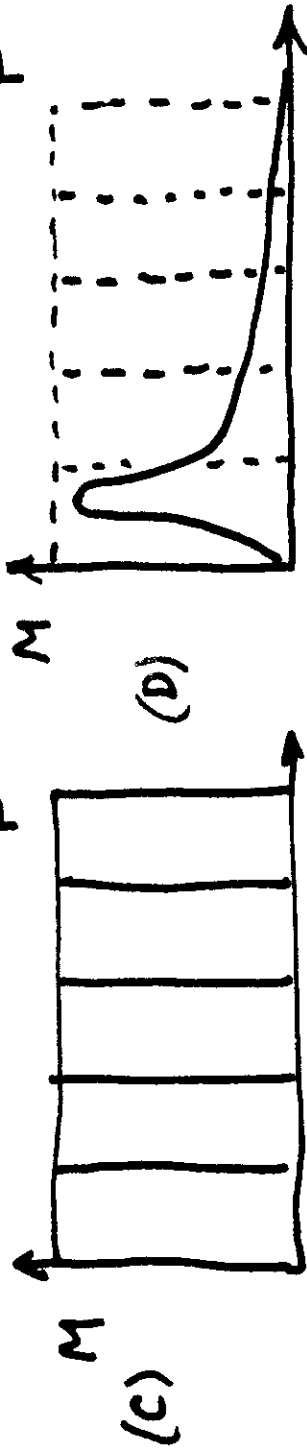
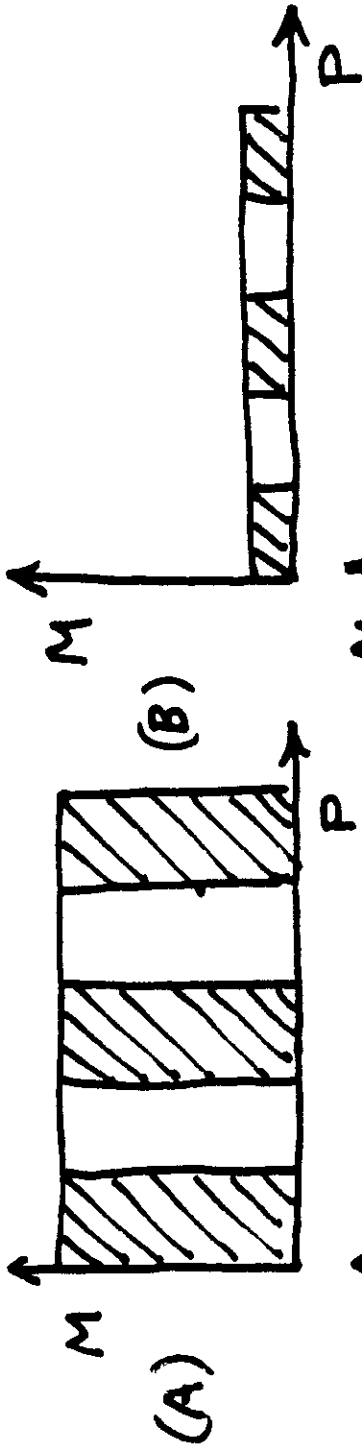
"COMMUNICATION THEORY in the Cause of Man, Part II: PROBLEMS OF SPECIALIZATION & IRRRESPONSIBILITY."

3. The Dilemma of Specialization
- 14) Specialization
4. A Checking Chart
- 15) Checking Chart
5. Partial Derivatives of Histories
- 16) Taylor's Series
- 17) 5th Order Partial Histories of Universe
- 18) 2nd Order Partial Histories of Science
- 19) Gaussian Perspective Scale
- 20) Past & Future
- 21) Conscious - Unconscious
6. A Checking Chart
- 22) Engineer's Checking Chart
7. Social Responsibility of Engineers
- 23) Example

5-17-62

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DILEMMA OF SPECIALIZATION



(16)

PARTIAL DERIVATIVES OF HISTORY

$$f(x) \approx f(a) + f'(a)(x-a) + \frac{f''(a)}{2!}(x-a)^2 + \frac{f'''(a)}{3!}(x-a)^3 + \frac{f^{(4)}(a)}{4!}(x-a)^4 - \dots$$

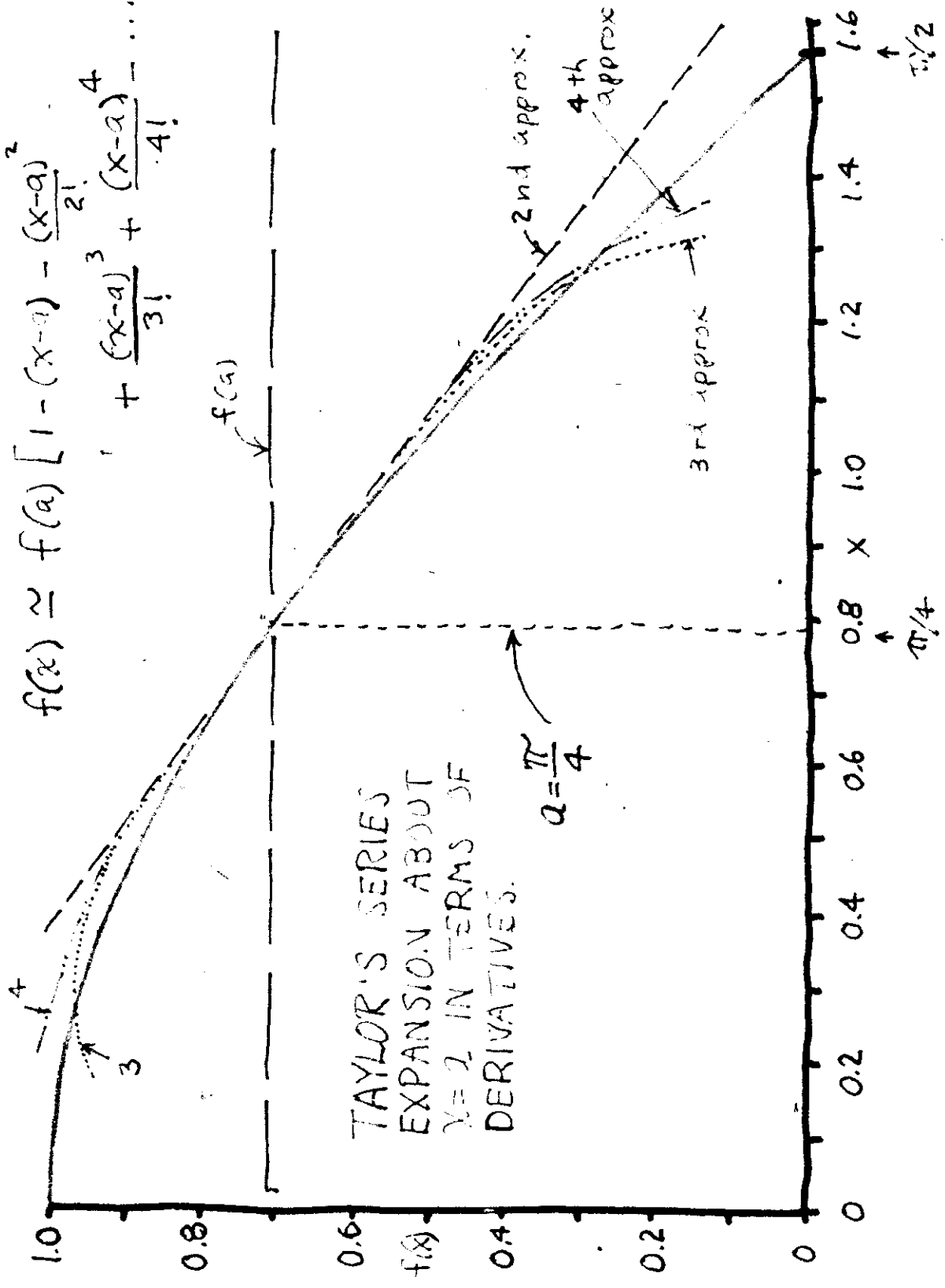
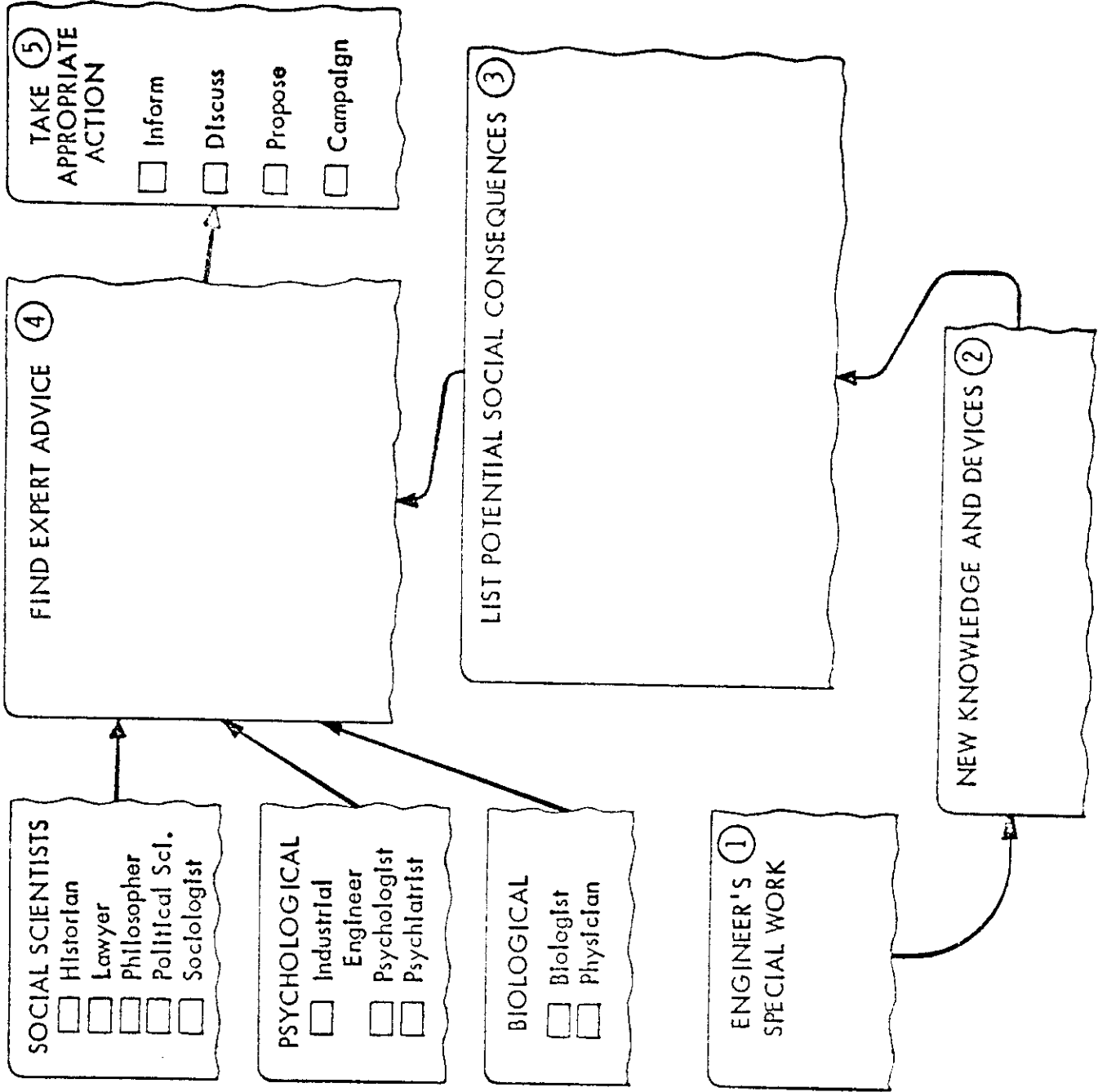


Fig 16

SCIENCE ADVISORS



SCIENCE ADVISORS

- SOCIAL SCIENTISTS**
- Historian
 - Lawyer
 - Philosopher
 - Political Sci.
 - Sociologist

- PSYCHOLOGICAL**
- Industrial Engineer
 - Psychologist
 - Psychiatrist

- BIOLOGICAL**
- Biologist
 - Physician

- ENGINEER'S SPECIAL WORK**
- Computer-Data Communication

FIND EXPERT ADVICE ④

(a) How can we provide protection for individual freedom?

(b) Are there simple legal means of preventing a dictator from controlling society through control of the credit system?

- LIST POTENTIAL SOCIAL CONSEQUENCES** ③
- (1) No more armed robberies.
 - (2) Shorter working week in business and sales.
 - (3) Problem of underworld inventing new money system.
 - (4) Possible loss of creative minority groups.

NEW KNOWLEDGE AND DEVICES ②

Universal Credit System Which Replaces Money

- TAKE APPROPRIATE ACTION** ⑤
- Inform
 - Discuss
 - Propose
 - Campaign

