

Predicting Rate of Change

Effects, in fact, are rarely "mobilized" with any efficiency and unexpected discoveries repeatedly alter of any detailed character.

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Dilemma of Time Scale

50-100 years out of sight technology. vs
actual ("mobilize").

Recite actual needs.

Real needs

Nutrition

Resistance

Delayed maturation

Assays for intelligence

War

World development & population

The 3' Science: Eutechnics

Knowledge

Applications

Harmony

Loaded Questions

People rarely listen to what I actually say and I am often attributed with views drastically opposed to those I support. I believe (1) in freedom (minimize collective or dictatorial decisions except when crucial for security. (2) Rationale: evolutionary perfectability - room for improvement.

Technical

1. Not an engineering manual

2. Distasteful details - like slides of skin diseases; or movie of a surgical operation. [Many of you have never dissected a human body]

My job is to shock you a little. Enough to jostle you. Offer side effects of arousing too much discomfort ---- the Herman Kahn phenomenon. You're worried now? Let me give you a glimpse of some real problems.

DNA won't account for suicide war. The general uses of the species. We have to credit their accomplishments to language.

N14 Notes

Option to innovate. Pluralistic views of man. Flexibility for change. Social genetic euphenic technol.

Threats to science; mere machin. DNA cult (hidden and public believers); LSD. Adler, Shils (person vs. thing). Ferry, Commoner, Muskie (moratorium).

Plural views of man. Political arrival -- Aristotle/Cassirer.

Do not dwell on technical details.

Aims.

Balanced preoccupation with future prospects.

Not so much that we should react in detail.

- 1) But sharpen ethical issues of present practice.
- 2) Offer a general guideline
- 3) avert mistakes we might be led into when long range considerations inappropriately dominate our policies.

Defense of science.

My principles

Technological evasion

Reforms on the present

Perfectibility & flexibility

Actual detail on genes and biochemistry of important traits.

Technical obstacles.

Renucleation or alternative methods of establishing genes and regulators in cells.

Translocation in vivo.

NB cell fusion

Today - Today

Organ transplants

----- rejection

Prenatal diagnosis

(Differential) contraception

i.e. what is world's "reproductive policy".

Knowledge is dangerous

Brings out utilities for exploration.

Abortion; clones; hearts

Regulated ignorance futile

Troubles blamed on "science" are often

Do we know too much or too little (re moratorium).

e.g. pollution by new technology or old? mass of people spread the waste.

Turning points

Abortion law; mass media: cigarettes;

eugenic laws; population control

air pollution; population; anatomical gifts.

Technological evasion

Cheap machines/donor organs

preventive medicine

GNP - fair distribution

Do it yourself aborticide

Default actions

Contemporary scene

Pre-maturity
Gerontocracy -- revolution

Supraliminal suggestion
Polluting environment
Tyranny of mass culture; advertising; Apollo program
(in another day, warfare) before the atom

Role of Scientists

- 1) Look for trouble now
 - 2) anticipate future problems
 - 3) design technological fixes
 - 4) help drive the system to overall balance by -- effective
analysis of it! (Joe Fisher R/F!)
 - 5)
 - 6) educate ourselves and our students
 - 7) save something of ourselves
a defense of elitism for younger students
the world has never had enough
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Manipulation and set paradox
set paradox

Set paradox
Making man = "making" his values making his descendants.

Normative vs Speculative
The drug -> +15 IQ in idiots; in geniuses

Issues-4-Issues
Breeding subhumans
Sex control and of women
Computers/automation
Who shall live or die. Kidneys or medical care.

Scare Words
Manipulation
Individuality (tyranny of

Issues & Meta Issues
Analyze my flow for the meta level.

Stereotypes & Labels
Drugs
Atomic radiation
Foods
Ozone

How to Tax Children?
Futility of state control
Not a thought!

Pace of Societal Response

depends on complexity of conflicting interests

easy, a mess

(practice; pollution; abortion; funds for kidneys; organs
(deservedly slow); termination of life

What lives do we need vs what are the problems
people get upset.

Glamorous and unglamorous techniques
superliminal vs subliminal

computer vs FBI files
vaccination vs algeny

Plea for Domestic Science
chlorine

Dysphenics
malnutrition
lead
virus disease

Prometheus Project

Who's missing here?
Aron

Euphenic Examples
vaccination
nutrition fluoride

Private vs Public
of the state is crucial issue.

We are at an evolutionary crisis. Tyranny of small
decisions. Received social
Totalitarian control immoral (=difficult?)
private

Issue is there
Neobiology only amplifies it

What decisional framework categories present ideal systems.
Abstract rational goals always hard to anticipate and to
realize.
Abstract planning.

- can't find another peak!

Social organization, war, violence
Nutrition - knowing and finding what to eat
environment <---> too broad a term
quality of air, water, land use
population

1) Unanswered questions
chromosome structure
redundant DNA
details of homology - cf. Laird
implications of translocation and
Can duBrow be right for mitotic chromosomes? Hardly with
terminal satellites.

1a) Progressively more in the mood to identify existing
problems and to solve them; not to manufacture them.
I am no iconoclast in this area: the world's pressing

problems are overwhelmingly in such areas as

Welfare and Freedom

Community must exact some standards if it will bear the burdens, i.e. there is less and less restraint on the individual

1) appearing now in the area of population control.

2) quality of offspring.

Invest as much as possible in _____ to minimize the need for _____ .

Needs for decentralization of authority

education of the electorate

classes of middlemen with professional ethics: the Ombudsmen

Professionalism and obligation to know vs pharmacists ought

to be doctors.

Meet issues of political values head on

Freedom of Choice

Criteria of least as important as for education

How protect that freedom?

What is a free choice

Main role of state -- _____ an open process.

Leverage of intellect & affluence even greater.

(Democratic reaction)

[right to _____ , self _____]
