

Science and Change: Hopes and Dilemmas

1. General Interest

... freedom and responsibility
... weather modification ...
Viking results ... frontiers of
science ... right to die.

2. Physical and Mathematical Sciences

... high-energy physics ...
solar physics ... science and
mathematics ... software ...
remote sensing ... synchro-
tron radiation ... laser chem-
istry.

3. Energy

... wind energy ... geophysi-
cal exploration ... solar ener-
gy ... renewable resources
... nuclear energy ... nucle-
ar power and weapons ... fu-
sion.

4. Resource Policy

... recreational use ... min-
eral policy ... conservation
... Rocky Mountain devel-
opment ... Indian lands ...
energy resource development
... public domains manage-
ment.

5. Biological Science

... herbivore-plant inter-
actions ... plant reactions to
environmental stress ... polar
research ... cell organelles
... bioscience information
... mathematical questions
... theoretical biology.

6. Agriculture and Ecology

... biology and agriculture in
China ... food and pest losses
... coyotes and meat produc-
tion ... wildlife survival ...
renewable resource manage-
ment ... high-altitude geoecol-
ogy.

7. Environment

... environmental problems
... benefit-cost analysis ...
nature and government ... ur-
ban environment ... Denver
air pollution ... regional air
pollution.

8. Arid Lands

... American droughts ...
desert dust ... reclamation of
arid lands ... management of
dry lands—past and present.

9. Medicine and Health

... rural area services ...
orofacial motor control ... be-
havioral research and training
... organ transplantation and
tumor immunity ... financial
incentives ... medical deci-
sion making ... pharma-
cokinetics ... psychotropic
drugs ... health goals and in-
dicators ... perinatal factors
... use of fluorides.

10. Anthropology

... man versus ape ... devel-
opment of primates ... differ-
ences in human nutritional re-
quirements ... ethnoscience
... migration in America ...
fertility control programs ...
folklore ... American moun-
tain people.

11. Technological Implications

... research in developing
countries ... appropriate tech-
nology ... communication
without paper ... hand-held
calculators ... building venti-

lation ... remote sensing from
space.

12. Behavioral Science

... psychoanalytic research
... creativity ... individual
differences ... screening as-
sessment ... early inter-
vention ... cybernetic ap-
proach ... families ... en-
counter groups ... somatosen-
sory experience ... violence.

13. Education

... minorities, women, and
handicapped ... multi-
disciplinary training ... bio-
logical curricula ... metric
changeover ... assessment of
educational progress ... inter-
face with engineering.

14. Economic and Social Sciences

... U.S. economic growth
... institutional limit to
growth ... interdisciplinary
research ... technological
change ... environmental is-
sues ... covert discrimination.

15. Science and Public Policy

... federal funds ... informa-
tion policy ... public problem-
solving ... policy decisions
... social science information
in Congress ... scientific
knowledge and public policy
... energy analysis ... con-
gressional fellows.

16. History and Philosophy of Science

... technology in retrospect
... Martian centenaries—
moons and canals ... re-
ligious movements in America
... Isaac Newton ... human
epistemology ... information
science ... race, sex, and so-
cial theory.



**Annual Meeting
Denver**

20-25 February 1977

For further details, see the 5 No-
vember issue of *Science*.