

Address of the Retiring Conference Chairman *

Edward Haskell **

Honored hosts of the International Cultural Foundation in beautiful Japan; dear colleagues of Asia, Europe, and the Americas -- of many great nations and of the whole hierarchy of scientific disciplines! -- I greet you in the name of our common cause, embodied in the title of our conference: The Unity of the Sciences!

1. The Different Missions of the First and Second Conferences.

As chairman of the First International Conference on Unified Science, I note with great Satisfaction some these things about this Second Conference: The Second Conference is about three times as big as the First. This indicates that the conditions which urgently require rational and efficient assembly of the sciences are maturing, and that our confidence is growing that we can fulfill these conditions in time, before disasters overwhelm us.

In the next days we shall hear, over and over, about the crisis of pollution, resource depletion and other destructive impacts of technology upon the environment. What, now, are the most powerful counteracting forces, and where have they advanced most since the First Conference?

The United States Government's Environmental Impact Agency has announced that by 1990 - in the next 17 years - it will spend 36 billion

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**Chairman of the Council for Unified Research and Education (C.U.R.E., Inc.), and of the First International Conference on Unified Science (New York, 1972); Fellow, Society for Applied Anthropology; Fellow, American Association for the Advancement of Science.

(36,000 million) dollars an environmental protection. And to determine how to direct this great effort, the Government is enlisting ever more universities. It is requesting them to make environmental impact studies.

What does this mean?

It means that ever more millions of dollars are going to be spent each month on studies and researches which are based upon, and will advance Unified Science. It means that Government emphasis is shifting from one-field specialization to specialization in integrative studies. It means that socially and ecologically conscious students are turning to specialize in Unified Science.

The nature and structure of Unified Science will be described to you this afternoon by Dr. Harold G. Cassidy in his illustrated paper entitled A Scientist's Contribution to Values, Morals and Ethics, which I have the honor to present to you in his absence.

A number of universities in America and Europe are actively considering this model of Unified Science, presented at the First International Conference. And what is more, they are considering concrete ways of changing their own structure so as to use Unified Science effectively.

To make the new, many-sided, and complexly inter-related Environmental impact assessments and recommendations, universities have to install a new kind of structure; a structure for which we have drawn up a simple plan; a clear blueprint.

At present, the University is constructed to make only parts of environmental studies and ecosystem analysis. Its structure is shown in this diagram.

Figure 1

This University structure is the source of the environmental crisis - of pollution, depletion, and so forth. The old university is a great industry which makes parts, parts which have not been designed to fit together; an industry which does not have an assembly plant.

To make environmental impact assessments, and recommendations for beneficent impacts, these parts of knowledge must be assembled into a coherent understanding of the whole ecosystem. Our blueprint for this assembly is as follows:

Figure 2.

Here, at the center of this blueprint, is the New University Council. It begins with just a few professors, one from each major division of the University. They constitute a seminar in which they study and develop compatible background theories, coherently mapped into the Periodic coordinate system, which Dr. Cassidy's paper will describe and illustrate this afternoon: A single, dynamic, holistic, evolving discipline, Unified Science. The model of Unified Science embodied in this book - Full Circle - The Moral Force of Unified Science - which you can examine and order at our conference's book display.

Using this model of Unified Science, the members of the New University Council will reformulate their courses and textbooks. They will invite colleagues to the Council's seminars, and coordinate and simplify courses and course - sequences by means of their common geometric vocabulary and background theory - which is a model of Leibniz's concept of the Universal Characteristic; his Characteristica Universalis.

Step by step, as the way opens their growing assembly plant will bring about what the Senate of Columbia University has called "A fuller mobilization of the intellectual resources of the University, and establishment of a mechanism to facilitate and integrate contributions from existing units of academic organization into a University - wide program." It will restructure the traditional departments so that they can cooperate ever better in their environmental impact assessments and recommendations.

Thus, ladies and gentlemen, as retiring Chairman of the First International Conference, I hand over to the Chairman of the Second International Conference, Dr. Sawada, the brightly burning torch.

This torch consists of a published model of Unified Science in this

book, Full Circle; of the proceedings of the First International Conference on Unified science - seven of whose authors and two of whose three editors are present at this Conference - this new book entitled Moral Orientation of the Sciences; and this blueprint for installing them in our universities so as to help humankind to transform its self-made world crisis from growing disaster into a morally oriented, peaceful, and harmonious world! May this great Second Conference advance this cause, and have its torch to further conferences!

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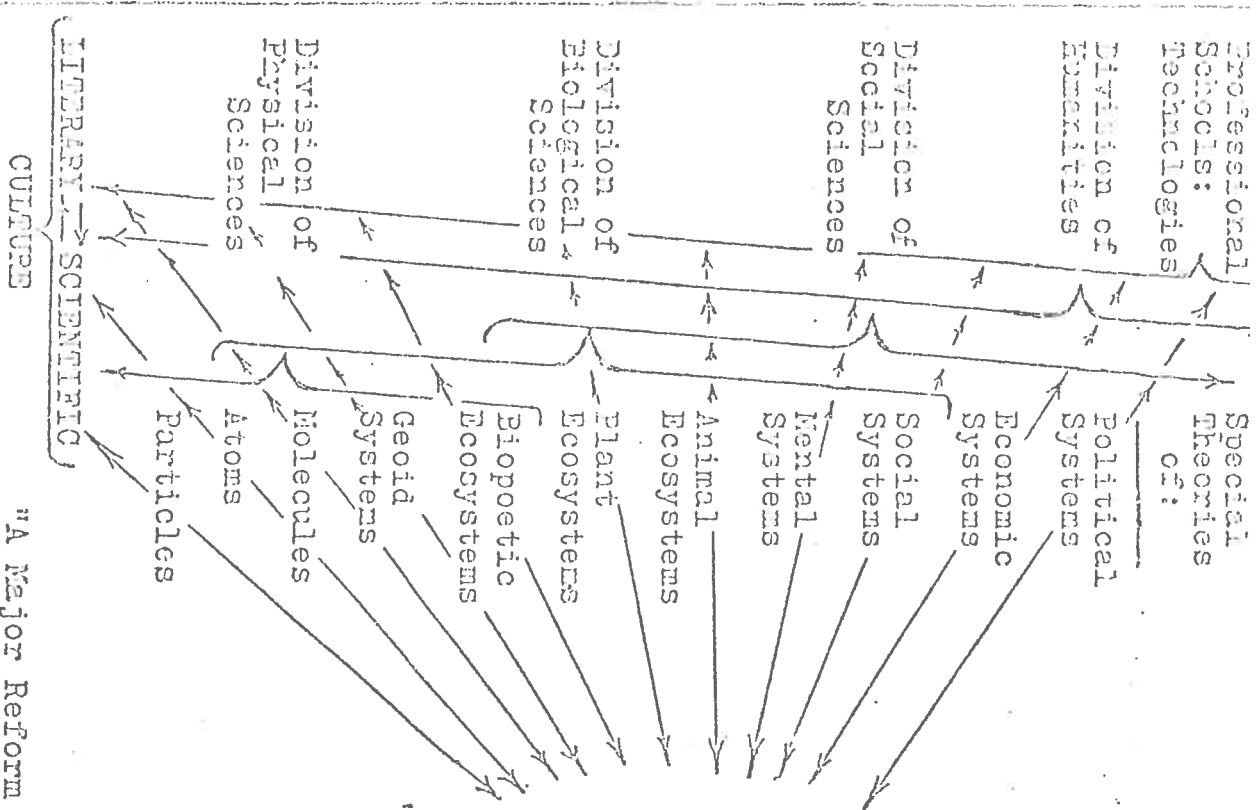
The Academic Enterprize: Production of Parts not Designed for Assembly

<u>PLANT</u>	<u>PRODUCT</u>	<u>RESULTS</u>
Professional Schools: Technologies	Diverse sets of specialists: parts	
Division of Humanities	A different set of specialists: parts	Crisis of Discoordination
Division of Social Sciences	A different set of specialists: parts	
	ANIMAL SOCIOLOGY Specialist: part	
	PLANT SOCIOLOGY Specialist: part	
	ZOOGEOGRAPHY Specialist: part	
	PHYTOGEOGRAPHY Specialist: part	
	<u>PALAEONTOLOGY</u> Specialist: part	
	<u>ECOLOGY</u> Specialist: part	
Division of Biological Sciences (Detail)	ANIMAL PATHOLOGY Specialist: part	NO: ASSEMBLY PLANT
	PLANT PATHOLOGY Specialist: part	
	PARASITOLOGY Specialist: part	
	PHYSIOLOGY Specialist: part	
	EMBRYOLOGY Specialist: part	
	HISTOLOGY Specialist: part	
	CYTOLOGY Specialist: part	
	MOLECULAR BIOLOGY Specialist: part	
	TAXONOMY Specialist: part	
	GENETICS Specialist: part	
Division of Physical Sciences	A different set of specialists: parts	Irrelevance to Highly Coordinated Reality

Figure 1.

The Multiversity: Disintegrative structure of Columbia and sister institutions.

(From Smithsonian paper, Re:)



A Single Vocabulary
and Background Theory

UNIVERSITY ——— WIDE
COORDINATING COMMITTEE

COMPATIBLE BACKGROUND THEORIES
COHERENTLY MAPPED INTO THE
PERIODIC COORDINATE SYSTEM :
A SINGLE DYNAMIC, HOLISTIC,
EVOLVING DISCIPLINE: UNIFIED
SCIENCE, THE PUBLIC PHILOSOPHY

"Fuller mobilization of the
intellectual resources of the
University, and establishment
of a mechanism to facilitate
and integrate contributions
from existing units of academic
organization into a University-
wide program." Columbia.

"A Major Reform of the General Education Program"

RESULTS
(Expectable)

PUBLIC PHILOSOPHY:
Perceived identity of natu-
ral law and moral law
COMPUTER SIMULATION OF
proposed technological
interventions
Eco-socially responsible
corporate management

CONSTRUCTIVE literature and
art, related to science and
technology
CONSTRUCTIVE psycho-social
technology
EEO-SOCIALLY RESPONSIBLE
MASS MEDIA

COORDINATED RESEARCH: PHY-
SICAL, BIOLOGICAL, SOCIAL.
PEARLESS socio-genetic
research, technology
LONG-RANGE responsible
medicine.

ECOLOGICALLY ORIENTED
management of agriculture,
grasslands, forests, seas
RESPONSIBLE nuclear-atomic
technology.

SELF-RENEWING universities
and churches
TRANSFORMATION OF DOMINANT
VALUE-PREMISES from nega-
tive (Dionysian) to posi-
tive (Apollonian) pattern.
GENESIS OF CIVILIZATION:
transmutation to the Higher
Industrial Period

Figure 2. C.U.R.E.'s proposal, drawn to Columbia's specification

(From Smithsonian paper, Ref. 3)