

**COMMITTEE VII**

Global 2000 Revisited: Re-assessing  
Man's Impact on Spaceship Earth

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**Discussant Paper on Ivan Rosenquist's Paper**

**IMPORTANCE OF BIOGEOCHEMICAL PROCESSES AND WEATHERING  
FOR NORWEGIAN STREAMWATER CHEMISTRY**

by

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IMPORTANCE OF BIOGEOCHEMICAL PROCESSES AND  
WEATHERING FOR NORWEGIAN STREAMWATER CHEMISTRY

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I read Prof. Dr. Ivan Th. Rosenquist's paper, "Importance of Biogeochemical Processes and Weathering for Norwegian Streamwater Chemistry" with great interest, and careful attention. The research method employed is most adequate and its conclusion extremely valuable and full of suggestions for the future.

In brief, the acidification of rivers and lakes in Northern Europe should be understood as examples of the harmful effect of the emission of sulphur from modern world industries. Thus, by minimizing the amount of sulphur compounds and nitrogen compounds found in all fossil fuels, especially coal, petroleum and their derivatives, the conditions would be improved.

As one of the members of the advisory board of the Governor of Shiga Prefecture, I have recently completed a report of some 2500 pages. This study discusses countermeasures against the pollution of Lake Biwa, the largest lake in Japan, quite thoroughly from the three aspects of education, the sciences, and culture. Unfortunately, it is written in Japanese, but perhaps

with the assistance of the Professors World Peace Academy of Japan, I may be able to offer an English translation in the near future.

The greatest problem here is how to remove completely the sulphur found in fossil fuels such as coal and petroleum. To my mind the solution is to make active use of Thiobacillus.

The details of this solution I would like to leave to the numerous studies on this by Dr. Kazutami Imai, Professor Emeritus of Okayama University, Japan.

More basically, there is a need to develop a method by which to utilize "shadow charges" which can be found indefinitely as Dr. Shuji Inomata, Chief Researcher of the Electrotechnical Institute, Agency of Industrial Science and Technology of the Japanese Government points out. Then, we would not have to rely on fossil fuels, and of course not nuclear energy which is dangerous, but make use of completely clean energy. Again, the details of this will be found in a memorandum which I will have with me.

If permitted to do so, I would like to invite Dr. Shuji Inomata for ICUS XVI next year, and request him to elaborate on "shadow charges".

Furthermore on this, I would appreciate it if you would have a look on my essay entitled "Four Steps to Absolute Peace - Dedicated to Rev. Sun Myung Moon". This paper, I heard from

Mr. Andrew Wilson of the Advisory Council to the Unification Movement International, has been edited by him as an Appendix to the book of essays coming out of the PWPA World Professors Speaking Tour held in Korea and Japan, summer of 1986.

It is my wish to be able to present as a formal paper in either Committee III which deals with Unification Thought and Ecumenism, or Committee V which deals with the Food Chain, ICUS XVI, a more detailed version of the essay mentioned above, "Four Steps to Absolute Peace - Dedicated to Rev. Sun Myung Moon", with data to back up my proposal.