



Energy, Mines and  
Resources Canada

Énergie, Mines et  
Ressources Canada

Science and Technology

Science et Technologie

July 26, 1983

*Your File - V/Référence*

*Our File - N/Référence*

Prof. Elizabeth Mann Borgese  
International Ocean Institute  
Dalhousie University  
Halifax, Nova Scotia  
B3H 4J1

Dear Elizabeth,

By all accounts, this year's course is another success for your organization. I understand that Mr. Buckley ably filled in my spot and that all the lectures were top quality, as usual. I was interested to hear that it was a lively group which came together again. I hope that they appreciate and recognize the high-power opportunity that IOI gives them.

I would like to repeat a suggestion I made last year which I believe would enhance IOI. Restricting the participants to residents of developing countries only acts as a kind of "discrimination in reverse". It would benefit the course and the participants if an occasional American or German or Frenchman were to participate. After all, one of the important benefits of IOI is the network of friendship that it creates and this network should not be restricted to one part of the world.

Unfortunately, I will again miss meeting this year's participants during the closing ceremonies on August 15th as I will be in Germany at that time. As you know, I am very interested in IOI and wish you continuing success in your endeavours.

Yours truly,

B. D. Loncarevic  
Regional Reconnaissance

BDL:sc

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Paxem in Manibus

## International Ocean Institute

P.O. Box 524 Valletta - Malta

4 July 1982.

Mr. George Livanos  
69 Akti Miaouli  
Piraeus, Greece

Dear George:

Thank you for your kind note. I was very happy indeed that things worked out so well. Your initiative is excellent and will have an impact, not only in Greece, not only in the Mediterranean, but in other parts of the world as well.

I have just arranged that Edgar Gold will come to our training programme in Goa (India) and tell our participants about your initiative. Hopefully something similar can be done in Singapore.

I have asked my publisher (Harry Abrams in New York) to send you my two books, Drama of the Oceans and Sea-farm. They have beautiful photographs (I may say that, because I did not take the photographs myself!) and I hope you will enjoy them.

I hope our paths may cross again.

With all good wishes,

Yours cordially,

Elisabeth Mann Borgese  
Dept. of Polit. Science  
Dalhousie University  
Halifax, N.S. B3H 4H6  
Canada

GEORGE P. IVANOS

June 15, 1982

*Paul De Borgese*

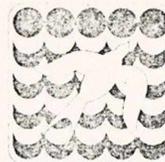
My thanks and that of all my colleagues to you for coming to Greece, helping to launch HELMEPA and being a signator on the Declaration of the Greek shipping community to Save the Seas.

The initiative and idea is unique and novel. The voluntary part and the Greek FILOTIMO will, I am sure, prove once again their value and our goal will soon be realized by a total accomplishment.

Kindest regards and respect.

*George*

Dr. Elisabeth Mann Borgese  
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Pacem in Maribus

Box 4716  
Santa Barbara, California 93103

December 11, 1976.

Mr. Bernard Lewis  
Combustion and Explosives Research, Inc.  
Oliver Building  
Pittsburgh 22, Pa.

Dear Mr. Lewis:

Thank you for your letter of November 19 which reached me with some delay. I have been almost constantly out of my office and out of the country.

You certainly have touched on a very important point. Plankton offers enormous possibilities. In this I would include the krill of the Southern Ocean on which work is most advanced. The whole issue of unconventional food from the ocean and ocean farming of all sorts will become tremendously important over the next 25 years or so. As a matter of fact, I am so convinced of this that I am actually working on a book on the subject. Plankton will have a chapter in that.

Whether it is practical to mount a big fleet of processing ships at this moment is another question. As you point out, this would imply very large capital outlays. A more modest pilot project would probably be easier to organize.

I don't know whether you are familiar with the work of our International Ocean Institute in Malta. For your information I am enclosing the MS of an article which will be published in next month's (January) OCEANS Magazine. It would be nice if you could join the Friends of the International Ocean Institute -- or if your Corporation could make a contribution to our work. Contributions to the Friends of the International Ocean Institute are tax exempt.

Please, at any rate, keep in touch with us on this plankton matter. Next Spring, the work on my Sea-farming book will take me to a great many places in all parts of the world, and I'll try to investigate how we could best follow up on your suggestion.

With all good wishes for the forthcoming holiday season and a prosperous 1977.

Yours sincerely,

International Ocean Institute  
The Royal University of Malta • Msida, Malta

Elizabeth Maria Bugeja

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November 19, 1976

Mrs. Elizabeth Mann Borgese  
Center for the Study of Democratic Institutions  
Box 4068  
Santa Barbara, California 93103

Dear Mrs. Mann Borgese:

I have for a number of years followed your brilliant studies on problems of the sea.

It is commonplace for me even to mention to you one of the truly great and disturbing problems that is confronting the world and undoubtedly will continue to do so in ever increasing urgencies, namely, the problem of food. The solution of this problem, I recognize, is tied into many other world problems, population growth, excessive military profiles, and others that you and others have so well recognized. These other problems will not go away soon and it would appear to me that little short of a world catastrophe will be able to shake us into our senses toward mutual preservation.

As far as food is concerned, I feel that a bold step needs to be taken to produce a break-through. The purpose of this letter is to mention a possible plan which, although not necessarily a "master" plan, may serve as a pilot to provide a high percentage of the available food gap. The material is, of course, plankton, very high in protein, available in huge quantities and amenable to processing into palatable, even possibly appetizing food. Large areas in the sea exist where incalculable quantities are available and growing on sea nutrients. True some of these, particularly that in Oceania, have been deteriorated, probably not yet disastrously, by oil spills incident to the recent upward swing of unsafe oil tanker size to meet the economics of around Cape Horn shipments. But there is a swing away from this in view of the availability of the Suez Canal.

Briefly, I envisage a large fleet of processing ships that would at once gather and suitably process plankton on board. This fleet would remain more or less in position at stated areas and the food transferred at sea to cargo ships for transportation to world markets. This is a prodigious program involving very large capital outlays but I believe it could serve as a major "pilot" effort to convince the world that something of this magnitude could be done in a vital area. The effort should be a world cooperative one. I recognize that as a preliminary, an investigative

Mrs. Elizabeth Mann Borgese

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effort will be needed to establish availability, optimum methods of collection, food research and feasibility. Planktonology is not a neglected subject and much needed information for the research phase may already be available.

I would be pleased to have your reaction to this plan. As not overly large sums would be needed for the investigative program such sums could conceivably be found in the private sector but to succeed, the effort should be international. The later phase of actual production will require strong world-wide cooperation possibly through the United Nations with adequate support.

I hasten to add that I myself have no thought, nor the time, actually to be involved in the mechanics of the program.

Sincerely yours,



Bernard Lewis