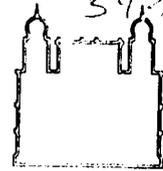


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FIOCRUZ

Ministério da Saúde

Fundação Oswaldo Cruz
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Rio de Janeiro - RJ - BRASIL

Rio de Janeiro, 21st April 1987.

Mr. Irving M. Asher
Director, Science Program
Office of the Science Advisor
Agency for International Development
Washington D.C., 20523
USA

Subject: Grant N° DPE-5542-G-SS-4070-01

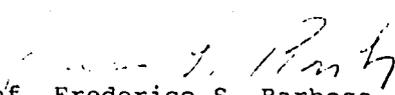
Amendment N° 1, "Competitive Interactions Between Populations
of Freshwater Snails" (3.F08)

Dear Mr. Irving,

Please find enclosed the Technical Interim Progress Report
and the Financial Status Report of Grant intituled "Competitive Interactions
Between Populations of Freshwater Snails" covering the period of
July/1986 to January/1987.

I would like to know the possibility of extending the
Project beyond August 29th, 1987.

Sincerely yours,

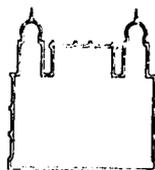

Prof. Frederico S. Barbosa

cc/ Diane Carter
Program Operations Assistant

mncr **Rec'd in SCI: MAY 1 1987**

Ministério da Saúde

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AGENCY FOR INTERNATIONAL DEVELOPMENT

GRANT N° DPE-5542-G-SS-4070-01

Interim Report for the period July, 1986 to January, 1987

Presented by Prof. Frederico S. Barbosa

During the above period the following activities were developed:

Laboratory work

Laboratory experiments aiming at the identification of factors that favor Biomphalaria straminea in the process of competition against B. glabrata, are in course. Studies on reproduction, longevity and other aspects of the biology of B. straminea and B. glabrata are being carried out.

The new research line mentioned in my previous report on the possibility of introgressing resistant genes in susceptible Schistosoma mansoni snail vector strains, is in preparatory phase.

Four laboratory channels seeded with susceptible strains of B. glabrata (2 channels) and B. straminea (2 channels) are attaining the population density (climax) necessary for the beginning of the experiments. Simultaneously the techniques for mass production of miracidia of S. mansoni are being standardized. A local strain of S. mansoni is being maintained in infected mice as source of miracidia*.

Field work

Results presented on the field experiment (see table I of my last report), confirming laboratory data, show the progressive occupation of B. straminea on a territory previously inhabited by a natural population of B. glabrata. Out of 21 streams 3 are exclusively occupied by B. straminea (N^{OS} 3, 4 and 10), while in others the competition process seem to favor the competitor against the target population (B. glabrata). Exception is made for stream number 6 which for unknown reasons (to be investigated) B. straminea was not capable to displace B. glabrata.

Due to the vagarous process of the competition process the systematic snail collection may be changed to become more spaced.

-
- (*) For evaluation of the susceptibility of the snail intermediate hosts of S. mansoni living in the channels, tests will be made at regular intervals using large number of miracidia.

Rio de Janeiro, 21st April 1987.


Prof. Frederico S. Barbosa

Ministério da Saúde

Fundação Oswaldo Cruz
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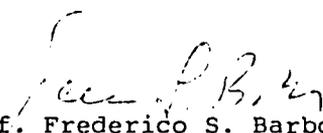
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FINANTIAL POSITION OF THE PROJECT "COMPETITIVE INTERACTIONS
BETWEEN POPULATIONS OF FRESHWATER SNAILS"
PERIOD JULY, 1986 TO JANUARY, 1987

ACCOUNTING ENTRY	AMOUNT IN	
	US\$	Cz\$
Amount received from the A.I.D.....	19,500.00	157.040,00
TOTAL AMOUNT RECEIVED	19,500.00	157.040,00
Accomplished Expenses in the period of November, 85 to June, 86..	13,694.56	101.598,00
Accomplished Expenses in the period of June, 86 to January, 87..	2,204.61	21.054,02
TOTAL OBLIGATIONS	15,899.17	122.652,02
Total Uncommitted Balance.....	3,600.83	34.387,98

Rio de Janeiro, 21st April 1987.


Prof. Frederico S. Barbosa