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The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

November 27, 1983

Dr. Simon Malo
Director
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, HONDURAS

Dear Simon:

At our meeting in Miami on the 16th, I meant to discuss with you Noel Somarriba whose vita is attached.

He and his family are now living in Gainesville. He is working at one of the small neighborhood grocery markets and also does some moonlighting, I believe at a filling station. His wife also has a job, but not a particularly good one. He left Nicaragua in May of 1982 when he was with the Minister of Agriculture as head of the Department of Agricultural Exports. His reason for leaving was that the Nicaraguan government was insisting upon his doing service in the military. His response to that was that he was a technico and not interested in bearing arms.

Considering his background and experience, he is obviously qualified for other work than he is doing, however, because of his poor Spanish, there would be little opportunity for him to be professionally employed in the United States. As

As I recall he said that you taught him in the National School of Agriculture in Nicaragua. In any event he seems to know you. At the moment I do not see how I can be of help to him but it occurred to me that you might have some suggestions. If so, please let me know.

Sincerely,

J. Wayne Reitz

October 30, 1984

Dr. Simon Malo
Director
Estueta Agrícola Panamericana
Apartado 93
Tegucigalpa, HONDURAS

Dear Simon:

While I shall call you a few days before the meeting, I thought I would give you some indication of the attendance at our meeting for the 16th and 17th of November.

While there are a number yet to be heard from I believe from 22 to not more than 14 active Board members will attend. That includes the three in Honduras. The largest group will arrive on November 15 on TAN 801 at 4:40 p.m. On that flight will be George Putnam and Tom Cabot and their wives. Also Burke Wright and John Weeks. On November 16 Galo Plaza will arrive on that same flight. Doris Stone indicates she will arrive on Sasha flight 413 at 4:20 November 11. I can't imagine why she is coming so early and I shall call her to double check that. Sam Stone will arrive on November 14 on the early morning Sasha flight out of San Jose. He did not give the number of the flight.

I shall arrive probably on the afternoon of the 14th and will spend that night at the Ronda. I have written to Adolfo to make me a reservation in his hotel. I have some business in Tegucigalpa on the morning of the 15th. I will contact the office and will want to ride out to the School late that afternoon, possibly with a group you have picked up at the airport.

I believe you have heard from Burke Wright that Blewer will be with us, but apparently he will be staying at a hotel in Tegucigalpa. He will no doubt be on the same flight with Burke.

Sincerely,

J. Wayne Reitz

February 2, 1988

Dr. Simon Malo
Escuela Agrícola Panamericana
Apartado 93
Tegucigalpa, HONDURAS

Dear Simon:

I have a copy of your letter of January 24 addressed to Mr. David Santos in which you request support for a commission of educators to evaluate Escuela Agrícola Panamericana as an educational institution for the Americas. You ask for my views regarding this request.

It is my feeling that the proposal is a bit premature. This I believe should follow the results of the Manpower Study rather than precede it, and more particularly it should not be used as a condition to obtain funds for the study. Furthermore since we might need to go to ASHA for funding the Manpower Study your proposal at this time would weaken that position.

Another observation is that the establishment of such a commission should be cleared with at least the Executive Committee and the members appointed should be selected jointly by the Board of Trustees and the funding agency. In this case we look to David Santos. To have the committee selected by the school administration could lead to the accusation later that whatever report was forthcoming might be considered as being self serving. I am sure you will want to bring this matter to the attention of the Executive Committee when we meet on February 24.

Thank you for sending a copy of your letter to Governor Graham. It would be fine if he could visit the school. I understand that if he could, it would be during the month of May when some of the National Guard might be on exercise in Honduras. I have talked with his scheduling coordinator and have told him that we would be happy to provide any information they might need. Furthermore, I encouraged the coordinator to stimulate the governor's interest in the school.

E. T. York is in Colombia this week and will be in Washington the first day or two of next week prior to leaving for Egypt. We will have the Manpower proposal for AID along with John Smith's letter ready for York to take to Washington next Monday.

With all good wishes.

Sincerely,

J. Wayne Reitz

*Your proposal to Santos
is premature.
Bond & Santos should
jointly approve them to make
the study -
Blum's offering.*

24 January 1984

Mr. David A. Santos
Director, Office of American Schools
and Hospitals Abroad
Agency for International Development
FVA/AHSA 260 SA-8
Washington, D. C. 20523

Dear David:

I enjoyed talking to you and Nan recently from Miami. Our Man Power study is getting off to a slow start. Recently I have had an interesting discussion with Dr. Harold R. Crawford, Assistant Dean of Agriculture of Iowa State University (515-294-8454) and head of the Agricultural Education Department of that great institution. Dr. Crawford visited EAP and suggested something that I have been thinking we ought to do as soon as funds are available. We need to bring down a blue-ribbon review team of educators from several U.S. Universities to evaluate Zamorano and its programs. The resulting document could be the basis for a more specific proposal to obtain funds for the Man Power study from the large agencies such as AID, BID and W. Bank.

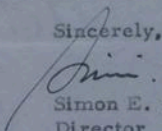
I have been thinking that a document of evaluation of the School will also serve your office to justify your support of EAP; consequently I would like to suggest that perhaps you can help us with a little money (say \$5,000.00) to bring down these people. We would like to see a team of 5 or 6 experience educators, hopefully with experience in Latin America and Spanish proficiency. A larger group becomes unwieldy and unmanageable. The choice of the chairman is important because he will put together the final report. I believe Dr. Crawford could be a good choice since he is motivated, knows the School and has experience in evaluating Latin American colleges.

Your assistance on this regard will help us get off from dead center and begin doing something concrete. The review team, with certain improvements, could return periodically to help refine certain programs. It is conceivable that their own universities could become cooperators in teaching programs of mutual benefit.

Mr. David A. Santos
24 January 1984
Page No. 2

Your views on this matter are very important to us at this moment.

Sincerely,



Simon E. Malo
Director

SEM/aml

bcc: J. G. Smith
J. W. Reitz ✓

*Wayne: your views on this matter would
be appreciated.*

ESCUELA AGRICOLA PANAMERICANA

P.O. Box 14425
Gainesville, Florida 32604

Office of the Secretary

December 9, 1983

Dr. Simon E. Malo
Apartado 93
Escuela Agricola Panamericana
Tegucigalpa, HONDURAS

Dear Simon:

As you will recall at our meeting in 1982 the Board of Trustees acted to grant a scholarship in memory of Bert Muller. It was at that time that we were receiving several gifts in support of the scholarship. Obviously these never amounted to enough to provide for a scholarship, yet the Board in its wisdom decided that one of the many we give should be in honor of Bert. I presume you are carrying this out and designating a particular student as a recipient. I believe it would be appropriate to send the name of the student to Bert's sister Miss Margaret Muller 2043 N.W. 7 Lane, Gainesville FL 32603.

Yesterday Dr. William Bursch of Experience, Inc. called and said that he was writing in response to the action taken by the Board of Trustees at its November meeting. It is apparent that Dr. Bursch is perfectly willing to work within the framework of the motion adopted. I believe he has already contacted you and of course will be working closely with you as the project unfolds.

In the meantime, the all important matter is to obtain funding. As you will note from the minutes. Eleta is chairman of the ad hoc committee and in addition to his general supervisory duties is charged with the responsibility of seeking funds. Bursch, I believe, has already talked with Eleta. It is my hope to get Popenoe and York together here in Gainesville to come up with some suggestions. I am inclined to believe that the Interamerican Development Bank would be one of our best sources since Kellogg is now out of the picture.

With warm good wishes for the holiday season.

Sincerely,

J. Wayne Reitz

July 2, 1983

Dr. Simon Malo
Escuela Agricola Panamericana
Epartado Postal 93
Tegucigalpa, Honduras

Dear Simon:

Bill Hoffman who represents the American University in Beirut at the Washington level, has been in touch with me a number of times recently concerning the authorization bill as well as the appropriations for American Schools and Hospitals Abroad. The congressman in Florida with whom I work most closely is Bill Lehman from Miami and he continues to be helpful. I am happy to report that the authorization bill is at \$30 million. A couple of weeks ago it was reported that Congressman Long, Chairman of the Subcommittee on Foreign Aid Appropriations, was going to put a rider on the appropriations this year earmarking 20 percent for Israel. I found in talking with Bill Lehman that he was against earmarking funds as a general principle. It now appears that Long has withdrawn his stance, however we are still fearful that some kind of mandatory language may be included in the House version. If so we will try to kill it in conference. In any event it would appear that the general climate for ASHA is favorable.

I had a memorandum from George Gardner stating that with the help of George Putnam we have received an affirmative response from Mr. Neel Hall of John Deere. Of course we will still have to vote on him at the November meeting, but this will take care of adding one more Board member from one of our key industries.

A couple of days ago I received some material from EAP graduates in the Dominican Republic. It strikes me that this is a very active group and that they are taking a very positive position with respect to the school. I presume they are writing to all Board members inviting them to attend the October 5-8 gathering. Do you have any suggestions as to what we should do as a Board? Do you plan to attend?

With all good wishes.

Sincerely,

J. Wayne Reitz

May 12, 1983

Dr. Simon Malo
Director
Escuela Agrícola Panamericana
Tegucigalpa, HONDURAS

Dear Simon:

I thought we had a good meeting last Friday and Saturday and that the difficult problem we had facing us the past year was resolved in a most amicable fashion. We appreciate all you did to make our stay a comfortable and pleasant one. Our action with respect to the salary of the director was certainly in order and I hope all continues to go well for you and the School.

You may not have heard by the time you receive this that some twenty minutes after our departure from Belize at an elevation of 16 to 20,000 feet, the pilot reported that our #2 engine was losing oil pressure and that we would have to return to Belize for a quick check with a mechanic. Of course there was no mechanic, and we sat in the plane for eight hours until one came from Miami to take us home.

Incidentally, I left a pair of pajamas in my room in the guest house. They are sort of a dark blue-green made in China. You can keep them until my next trip there or bring them to Gainesville on your next visit.

Again thanks and with all good wishes.

Sincerely,

J. Wayne Reitz

December 19, 1980

Dr. Simon Malo
Director, Escuela Agricola Panamericana
Apartado 93
Tegucigalpa, Honduras

Dear Simon:

Thank you for your letter of December 4 in which you mention that a visitation group from the International Development Bank was reviewing possible assistance to the school. A grant such as you indicate would certainly go far in providing scholarships and also a general institutional assistance.

Soon after returning from Honduras I wrote to Congressman Bill Young and suggested that he visit the school between the middle of January and the first of April. He recently replied that he was looking forward to doing that and would suggest dates soon after the 97th Congress convenes. I believe that will be shortly after the first of the year.

During the second quarter we hope to have a bit more freedom than has been the case this past quarter. Accordingly we shall get in touch with Beatriz and also Lilly Bendana.

Fran joins in sending our very best wishes at this season to you and Mary.

Sincerely,

J. Wayne Reitz

November 24, 1980

Mr. Simon Malo
Escuela Agricola Panamerica
Tegucigalpa, Honduras

Dear Simon:

I thought we had a good board meeting. The report of Jack Greenman was in general well received and from some of your comments throughout the discussions, I would gather that you were in agreement with most, if not all of his recommendations. It seemed best to put the Rapaco problem on the shelf for the time being. While I do not know your position on this matter, I must confess that I am in full agreement with Jack's recommendation, although I am concerned about the firm position of Adolfo and Mario.

We all appreciated the courtesies extended us by you and Mary. There is every evidence that things are going well at the School under your leadership. I am delighted to note that Mary is so very happy with life at Zamorano.

I am enclosing a statement of expenses which you can handle at your convenience.

Sincerely,

J. Wayne Reitz

enc.

September 12, 1980

The Honorable C. W. (Bill) Young
House of Representatives
Washington, D. C. 20515

Dear Bill:

I shall be in Washington on September 24 and would appreciate the opportunity of visiting with you late that morning or early in the afternoon. In the event you are not available, I would hope to see Jim Conrow.

As you may well predict, I shall want to visit with you concerning the program of American Schools and Hospitals Abroad. As you may know, this program has been giving substantial support to Escuela Agricola Panamerica and I am convinced that much of this is due to your warm and continued interest. In August of 1978 I extended an invitation to you to visit the School. Thus far I appreciate that your busy schedule has not permitted you to do so. However, I again extend an invitation on behalf of the Directors and Board of Trustees. It would be particularly appropriate for you to visit the School during the annual meeting of the Board which this year will be held on Friday and Saturday, November 15 and 16. Of course, we would be most happy to have you there at any time which meets your convenience.

Will you kindly advise if I can see you either at 11 o'clock or 2 o'clock on the 24th. With appreciation and all good wishes.

Sincerely,

J. Wayne Reitz



December 7, 1981

Dr. J. Wayne Reitz
P. O. Box 14425
Gainesville, Fla 32604
U. S. A.

Dear Wayne:

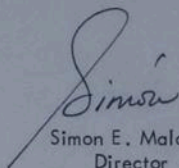
I am enclosing your note and your questions relating to labor laws.

I can say this about No. (1): the labor union is a legal entity and has sufficient power to act. It was constituted legally and was given the necessary government permits to function legally.

No. (2) We have checked with a local jurist on labor law. He has made a study of our legal rights to exist and operate and he has found that in spite of our International Mission Status the labor laws of Honduras apply to Escuela Agrícola Panamericana as it does to other international missions operating in Honduras.

I think this answers your questions, so that you can go ahead with writing the minutes of the Board meeting. I take the opportunity of Frank's trip to Gainesville to send this letter with him.

Best regards,


Simon E. Malo
Director

cc: File

SEM/omb

Motion

In relation to the EAP union, the Director is hereby empowered to act as a bargaining agent. That all matters affecting the budget and/or any real property belonging to the School shall be decided upon by the Board of Trustees. Further, that the Director's powers will become effective only after the following two questions are resolved;

- (1) Is the union a legal entity with sufficient judicial power to act?
- (2) Whether, in view of international status of the School, labor laws and procedures apply to EAP.

It is further resolved that the Director may employ such staff as necessary in carrying out the above conditions and objectives.

(The above is to be cleared with proper Honduran lawyer)
(Then notify Reitz of the conclusions reached.)

August 7, 1981

Dr. Simon H. Malo, Director
Escuela Agricola Panamericana
Tegucigalpa, HONDURAS

Dear Simon:

Thank you for your note of July 29 with which you sent a draft of a proposed memorandum of understanding between the University of Florida and Escuela Agricola Panamericana. I am pleased to note that you are moving forward in this effort and that apparently there is genuine interest in a cooperative spirit on the part of our people in IFAS. It seems to me that this is a document that you can work to real advantage with E. T. York since he was recently administrator of IFAS and, having been immediate past Chancellor, would have knowledge of any legal implications which need to be considered.

I merely make a few comments which came readily to notice. On page 2, item 4, you mention that EAP graduates may obtain their masters degree in three years. I would assume that this is the same time as now required. You also mention that EAP transfers will receive out-of-state tuition waivers at the University of Florida. I wonder if there is any limit on the number involved? Under item 5, you mention that EAP professors will receive adjunct status at the University of Florida upon the recommendation of the Director of EAP. I believe you should also add "and with the approval of the IFAS Administration." In item 6 you mention that University of Florida professors assigned to EAP will have whenever possible tenure tracts and line item positions and will be considered as part of the faculty of EAP. It is not clear to me whether tenure and line item positions refer to their relation to the University of Florida or to EAP. In other words, this needs to be clarified. Under 7 you mention that undergraduate students from the University of Florida could attend EAP for a year or two. Does this violate our charter or by-laws with respect to students from tropical America?

In further revisions I think it would be appropriate to show at the end of the document those who would be signatories to it.

I have just submitted the attached two documents to Austin Ashley so that he can get his banking relations with the First National Bank of Boston in proper order. The minutes of the Executive Committee meeting

Page 2
Dr. Simon Malo
August 7, 1981

of July 7 state that any two of treasurer, director, business manager and comptroller could sign checks of \$5,000 or more and singly for amounts under that. It is not clear to me however in reading the minutes whether the business manager and comptroller can jointly sign or whether limited to one of them with the treasurer or director being the other signatory. Until this matter is clarified by the Executive Committee, I would appreciate your instructing the business manager and the comptroller that only one of them can sign a check of \$5,000 or more; the other signature must come from you or the treasurer.

With all good wishes, I am
Sincerely yours,

J. Wayne Reitz
Secretary

enc.

Memorandum of Intent to Enlarge the Cooperative Work
Between the University of Florida and Escuela Agricola Panamericana

This memorandum is to record mutual interests and a desire to expand the cooperative programs between the University of Florida and Escuela Agricola Panamericana to improve the tropical agriculture research and teaching programs of both institutions.

The University of Florida is the "Land Grant College" of the State of Florida; thus, it is charged through IFAS with the responsibility of teaching agriculture and developing new knowledge through research in order to increase the production of food. The Escuela Agricola Panamericana is a private, autonomous, non-profit international institution located in Honduras whose main responsibility is the teaching of tropical agriculture. In addition, EAP conducts research as a means of enhancing its teaching programs and increasing the food production of Latin America.

It should be noted that U. of F. and E. A. P. have had a long history of over 30 years of cooperative efforts both in teaching and research projects. More than 250 EAP alumni have obtained degrees at the U. of F. since 1950. Both institutions feel a responsibility towards improving the level of human resources in the tropics and of helping to ameliorate the world food scarcity and poverty problems through improved manpower and applied technologies in tropical agriculture. There are many areas of obvious mutual interest between the two institutions which lend themselves to future cooperative efforts. By this document, U. of F. and EAP record their intent to enlarge and improve all possible cooperative work and their interaction so as more effectively realize their mutual objectives. Specific projects and plans of work will be developed and

mutually agreed upon as the occasion may require. However, there are several general areas and methods of cooperation which should be mentioned:

1. EAP will provide, within its resources, a base of operations for U. of F. personnel. Lodging and food will be provided free of charge to visiting scientists for a week, but longer periods will be assessed at cost, as it is done with our own faculty. Graduate students will be charged at cost plus 20% for food and lodging in student services and quarters.
2. EAP will assist in procuring needed labor and will provide facilities when available. It will also assist in the purchase and shipment of needed equipment and will provide land for research plots and help in making arrangements for research activities of mutual interest. U. of F. will provide funds to assist in executing these activities as needed to defray incurred costs of EAP.
3. U. of F. will provide technical consultation in some specialized areas. Their teaching and research activities at EAP will be of a nature that enhance the educational programs of EAP.
4. U. of F. will recognize the curriculum and academic work of EAP so that its graduates may obtain their Master's degree in 3 years. As has been customary in the past, EAP transfer students will receive out-of-state tuition waivers at U. of F. *no charge?*
*How this
apply to my
number?*
5. The faculty exchange program already initiated will be expanded. Visiting personnel at both institutions will receive needed legal support and assistance in settling their immigration status. U. of F. professors will enjoy the duty-free privileges of the MI (International Mission) status after a permanence at EAP of 3 months. EAP professors will

with I FAS approval

receive adjunct status at U. of F. departments upon recommendation of the director of EAP. They will serve on graduate committees for U. of F. and EAP students when necessary and appropriate. Long term housing arrangements at EAP will be on a cost plus basis.

6. U. of F. professors assigned to EAP will have, when possible, tenure tracks and line item positions, and they will be considered as part of the faculty of EAP.
7. U. of F. undergraduate students in agriculture could attend EAP for a year or two or participate in specially designed courses, so that they benefit from the learning-by-doing education of EAP. EAP will be refunded for any cost incurred during these special programs.
8. Cooperative courses could be instituted and given at EAP to further the tropical overseas experience of U. of F. faculty and to benefit students and personnel of both institutions. These courses may be part of the normal curriculum of EAP or they may be specially designed occasional courses.

*Does this
include new
classes?*

June 11, 1980

Dr. Simon Malo
Director
Escuela Agricola Panamericana
Tegucigalpa, Honduras

Dear Simon:

I have just returned from a month in Colorado, Utah and Idaho and take this opportunity to tell you that I thought we had a good meeting in Miami in early May. I believe we have one of the finest Boards in the history of the School and with the leadership you are giving, the quality of the operation is going to be greatly improved.

I sincerely hope that you have been able to resolve the problem of purchasing food products by the non-academic help. As you have discovered, problems of this kind sometimes need to be approached slowly and after considering all angles before making commitments. I am sure that John Smith as the new chairman will be most helpful in working with you on this and other matters as he interprets Board policy.

I am enclosing my expenses for the annual meeting which you may take care of at your convenience.

With warm good wishes, I am

Sincerely,

J. Wayne Reitz

enc.

STATEMENT OF EXPENSES
J. Wayne Reitz
to attend Board of Trustees meeting
Escuela Agricola Panamericana
November 12-16

Nov. 11	RT Airfare, Orlando, Florida to Tegucigalpa via La Cieba going	\$416.85
Nov. 11-12	Taxi fare to and from hotel in Miami	8.00
Nov. 12-16	Entrance and exit tax, Honduras	4.00
Nov. 11-16	Car rental Orlando Airport	<u>15.00</u>
		\$443.85

EXPENSE ACCOUNT
-- J. Wayne Reitz
Board of Trustees meeting, May 9, 1980

Round trip air fare, Gainesville-Miami	\$144.00
International Airport Hotel	40.68
Parking fee, Gainesville Airport	<u>4.50</u>
	\$189.18

March 14, 1980

Mr. John W. Weeks
Museum of Science
Science Park
Boston, MA 00124

Dear John:

Thank you for sending a copy of the last meeting of the Executive Committee of EAP.

You ask about how we should be listed in the next annual report. I am correctly listed in the 1978 one, namely as President Emeritus, University of Florida, Gainesville, Florida. Regarding listing, I refer now to your mimeographed sheet of Board members giving phone numbers. My office phone is now 904-392-1691.

I am a bit confused about the change of annual meeting and the dinner meeting in Guatemala. I have set aside Friday, May 9th, for the meeting in Miami which is to be over at 2:30. My question is, how do we arrive for a dinner meeting in Guatemala that same day? Is this by private plane or commercial? I doubt seriously, however, if I could make the Quatemala meeting regardless of the form of transportation.

Sincerely,

J. Wayne Reitz

December 4, 1979

Dr. Simon Malo, Director
Escuela Agricola Panamericana
Tegucigalpa, HONDURAS

Dear Simon:

It was good to be with you and Mary as well as Beatrice and Victor when I was in Tegucigalpa this past weekend. As a family you are doing a great job in providing leadership and a good environment at EAP. I am sure you could sense that the Board was pleased with the way you have handled certain problems, and the way the school is moving forward under your leadership. There may be times when you think the Board is exercising certain restraints; I think you also know that this is a part of the order of things.

We all appreciated your many courtesies and the attention shown us during your visit to the School.

I am enclosing a copy of a letter I wrote to Mr. Chute. I forgot to thank him for the book but will do so in a separate letter. Also, sometime next spring, I am going to write him a letter suggesting that he give consideration to making a significant bequest to the school. He is entirely capable of doing so.

With this letter I am also enclosing my travel statement. I have included a hotel bill at La Ceiba since this is now EAP fund raising rather than University of Florida.

With warm good wishes to you and your family.

Sincerely,

J. Wayne Reitz

enc.

March 7, 1979

Dr. Simon E. Malo
Director
Escuela Agricola Panamericana
Tegucigalpa HONDURAS

Dear Simon:

A few days before January 1 while enjoying that great little kingdom of Thailand, I was also thinking of you and that you would be taking office of January 1st. I should have written you a letter of congratulations and good wishes, and for that I express my regrets. I knew, however, that you would take over in great shape and would immediately get things moving at the institution which you love so much.

Upon my return I found your letter of February 6 in which you listed "some measures to improve EAP's financial situation." All of these are good and I have attempted to determine what might be the priority items. This I find difficult, although the ones which you and the faculty there can control the easiest or best seem to be, in my judgment, 1, 3, and 5a. The Board of course needs to work on increased contributions from the U.S. and give its attention to the amount of tuition and the clothing item which you mentioned.

Now I have your note concerning the declination of Dr. Borlaug as our December Commencement speaker. To it you attached a note. I have circled two words which are meaningless. You are either using symbols or I cannot read your writing. I assume, however, that you are talking about McNamara, President of the World Bank. I know of no one on the Board who is a friend of his although George Putnam and perhaps George Gardner would be the likely ones.

With warm good wishes.

Sincerely,

J. Wayne Reitz

enc.

BIOGRAPHICAL DATA

SIMON E. MALO

PROFESSOR (HORTICULTURIST)

UNIVERSITY OF FLORIDA
INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES
AGRICULTURAL RESEARCH AND EDUCATION CENTER
HOMESTEAD, FLORIDA

Information Supporting Productive Effort

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Biographical dataName: Simon E. MaloBorn: May 30, 1933
Cuenca, EcuadorAddress: Agricultural Research and Education Center
18905 S. W. 280 Street
Homestead, Florida 33030Present Rank: ProfessorEducation:

<u>University</u>	<u>Degrees</u>	<u>Date</u>
Panamerican School of Agriculture (Honduras)	3-year Diploma	1954
University of Florida	B.S.A.	1957
University of Florida	M.S.A.	1960
University of Florida	Ph.D.	1964

Employment:

<u>Place</u>	<u>Position</u>	<u>Period</u>
Panamerican School of Agriculture (Honduras)	Instructor in Hort.	1954-55
National School of Agriculture (Nicaragua)	Prof. Horticulture	1957-58
Palmer Nurseries (Sarasota, Fla.)	Manager	1960-61
University of Florida, AREC, Homestead	Assistant and Associate Professor	1964 - present

Brief Description of Present Duties:

Basic and applied research in tropical fruit production with emphasis on mineral nutrition of avocado and mango. Responsibilities also include several phases of research in other tropical fruits particularly papaya, lychee, longan, sapote, sapodilla, carambola, guava and others. Teaching and extension are part of the duties.

Area of Specialization:

Tropical fruit horticulture, with emphasis on problems of fruit production.

Assigned Activity: Average for last three years

<u>Year</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>
Research	70%	70%	70%
Teaching	10%	10%	10%
Extension	20%	20%	20%

Most salient research accomplishments:

Determination of the nature of fruit tree chlorosis and its eventual successful control with specific iron chelates, particularly with the use of iron ethylenediamine (di-o-hydroxyphenyl acetate) (FeEDDHA).

New techniques for supplying iron to orchard trees which have increased fruit production considerably and have contributed to the recent expansion of the tropical fruit industry in South Florida.

The discovery that copper accumulates in extremely large quantities on roots of avocado trees, thus playing a probable detrimental role in the mineral nutrition of the tree.

The finding that girdling can have a tremendously favorable effect on the yield of some unproductive avocado cultivars. Due to their season of production they can now be productive during a period of very profitable markets.

Mineral nutrition studies which have confirmed the importance of nitrogen for avocado production, followed closely by potassium. On the other hand, the need for phosphorus in producing trees has been found to be small in contrast to previous claims. As a result of this fertilizer formulas have changed drastically in recent years contributing to lowering costs of production.

Studies on biennial bearing of productive avocados which point to the importance of potassium nutrition as a significant factor in the problem.

Studies on mango nutrition which have also confirmed the importance of nitrogen and iron in fruit production, a fact previously unrecognized.

The finding of papaya types which are tolerant to distortion ringspot virus, a limiting factor in the production of this fruit in Florida.

The first introduction of drip irrigation to Florida for horticultural crops and the recognition of this technique as an effective tool for "fertigation", thus increasing the efficiency of mineral nutrition and drastically reducing production costs.

Rx for Horticultural Science in the Tropics

Simón E. Malo

University of Florida, Agricultural Research and Education Center,
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There are many factors which slow down and hinder the wheels of scientific and academic activities in tropical countries. One of these and perhaps the most important is the lack of *continuity* in programs of research and teaching. This is particularly true with long term crops such as some tropical fruits where continuity is the indispensable element needed to reach a successful climax of research efforts. But continuity is also the crucial ingredient in any other phase of horticultural research or for that matter, any phase of biological science.

Most people are familiar with some of the grandiose schemes of developing nations, where it is believed that a bountiful agriculture can be created in a few years by virtue of a large loan and the importation of scores of experts. The normal course of events is that as soon as the government changes, constitutionally or otherwise, the whole apparatus is upset and everything also changes, from the Minister of Agriculture sometimes even to the lowest institutional employee. Wheels may continue to turn for a while, albeit inefficiently, with new people in fields such as teaching and extension, but change in personnel in creative fields as research means that whatever was accomplished up to that point is largely nullified and ultimately wasted. In this fashion vital projects are seldom carried to completion unless outside institutional forces provide the funds, personnel, and the continuity. However, even large international centers cannot escape the effects of local political convulsions.

Much still has to be done in tropical countries to use local, available talent efficiently. Salaries and research funds have to be increased. Otherwise, qualified professionals will sooner or later either move up to administration, turn to moonlighting, or leave the institution or the country. Once competent scientists have succeeded away from home it is close to impossible to get them back. Young scientists returning from training abroad need understanding and remuneration commensurate with their potential and long years of study. This situation is true in the majority of developing countries, but take the case of a comparatively rich country such as Thailand.



Simón E. Malo

Here, a returnee with a PhD degree may not earn more than a second lieutenant in the army. They both work for a system that puts a premium on seniority and duration of service rather than on merit, value, or potential impact on the welfare of the nation.

The only bright spot in this rather gloomy picture has been the creation of a network of agricultural centers. Some of the needed research has already been started and thus far experience shows their performance can be impressive, although population increases have already erased much of the initial color of the "green revolution." A great deal more can be done with Title XII funds if Congress really means what it states in the language of this ambitious program.

Tropical fruits, and to a certain extent vegetables, are still orphans of international research. Their great diversity, demand, and importance is very eloquent in the markets of Bangkok, Jakarta, Mexico City or any other community, large or small, of the warm latitudes. They have not been given their deserved place as prominent items in the diet of people in the tropics. It is high time they were recognized, and their virtues as a great dietary resource investigated and refined. Avocados, for example, contain the highest food value of any other fresh fruit, with a protein content which can reach 3% or higher. The increased production of improved, low-chilling cultivars could also slow down the drain of "foreign exchange" employed to import considerable amount of peaches, apples, and

pears from Australia and North America to Southeast Asia and the American tropics.

What specifically can the U.S. do with Title XII funds that has not been done or tried already? Perhaps our most lasting and best contribution to our neighbors in tropical countries could be the creation of many agricultural colleges styled in the fashion of "Escuela Agrícola Panamericana" (EAP), a "learning-by-doing" college founded in Tegucigalpa, Honduras, by the late Wilson Popenoe, a pioneer in tropical horticulture. This is a strict discipline, 3-year institution where the student works and attends classes 11 months of the year, for a total of 33 months. This small, private American college is completely independent of the host country's government and has been able to produce internationally recognized professionals since 1946 by remaining apart from the continual local political upheavals.

What would the U.S. taxpayer get for his money? Nothing really tangible, for the fruits of education are not like the building of dams, hospitals, highways, or even the results of research. However, lets examine Escuela Agrícola Panamericana's 30-year record, 1600 graduates later, and consider its impact on the region. There have been 3 Ministers and about 8 Undersecretaries of Agriculture in about 13 Latin American countries who have come from EAP. Moreover, many large agribusinesses are either managed or owned by EAP alumni. But perhaps their greatest impact has been at the grass roots, showing people by their example how to get results and a profit if you know how to work the land.

Strategically located American colleges of this nature, funded by Title XII and administered through U. S. universities known for their broad experience in the tropics, would eventually have an enormously beneficial impact on the lives of our tropical neighbors. This effect would be more lasting and would do more to win the daily ideological struggles being fought in every rice paddy and corn "milpa" of the world, than the vast majority of the former traditional programs of foreign assistance.