



Hunt Institute for Botanical Documentation  
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Carnegie Mellon University  
4909 Frew Street  
Pittsburgh, PA 15213-3890  
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Web site: [www.huntbotanical.org](http://www.huntbotanical.org)

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#### *About the Institute*

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.

"TICKLER"

ETA  
TICKLER

August 3, 1976

Dr. E. Richard Hill  
Senior Research Scientist  
Information Systems Technology  
Battelle Pacific Northwest Laboratory  
Battelle Boulevard  
Richland, WA 99352

Dear Dr. Hill:

I have your name and request on file for the paper by us presented at the CODATA conference in July. When it has appeared, we will send you a copy.

Sincerely yours,

David J. Rogers  
Director

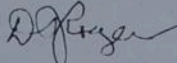
DR:rs

UNIVERSITY OF COLORADO

Taximetrics Laboratory  
Department E.P.O. Biology  
Boulder, Colorado 80302  
Phones: 492-~~4098~~ 7187  
492-~~4098~~

Oct. 29, 1976

To: Jay April

From: D.J. Rogers 

On October 6, 1976 I instructed you by memorandum to prepare a draft of the annual report for the work done this year by the Taximetrics Lab. under contract to the International Board of Plant Genetic Resources. You have not reported to me as of this date, nor have you informed me why you were unable to meet the deadline I proposed, October 15, 1976.

For this reason, I have no alternative but to terminate you from this work, which I have instructed the Personnel Office to do, giving 15 day's notice, until November 15, 1976.

DNR

TO Gil

FROM Dave

SUBJECT Budget summaries

DATE October 6, 1976

UNIVERSITY OF COLORADO  
*Interdepartmental  
Memorandum*

In order to facilitate closing down the contract of which I am the principal investigator, please provide me with a written budget summary for the contract from IBPCR and the grant from IBM. Since you are the principal investigator on the USDA contract, I will not need to know about that.

I would appreciate it if you could provide the summaries within the next week or two. Then following that, there should be a summary at the end of the year.

rs

DIR

TO Jay \_\_\_\_\_

FROM Dave \_\_\_\_\_

SUBJECT Summary of events \_\_\_\_\_

DATE October 6, 1976 \_\_\_\_\_

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

Since there is a need to produce an annual report for the Board at their executive meeting, I will need to have a summary of events and activities and results during this past year. Please provide me with what you think would be appropriate ~~as soon as you can~~, so I can review it.

*by the end of next week (Oct 15)*

rs

**WU**  
western union

RC  
**Telegram**

NO. WDS. - CL. OF SVC.

PD. OR COLL.

CASH NO.

CHARGE TO THE ACCOUNT OF

OVER NIGHT TELEGRAM

UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM

night letter

Send the following message, subject to the terms on back hereof, which are hereby agreed to

Sept. 24, 1976

19

TO Dr. K. Kumagai

CARE OF  
OR APT. NO.

STREET & NO. cable address: NAINAGSC

TELEPHONE

CITY & STATE Hiratsuka, Kanagawa, Japan

ZIP CODE

will meet your airplane Saturday, <sup>Oct</sup> 16. Hotel reservations made  
for your stay in Boulder ~~in~~ Colorado.

Signed: Rogers

Operator # 406

Date/Time

Confirmation

9/24 1:40 pm

yes

SENDER'S TEL. NO.

rs

NAME & ADDRESS

TO: Staff  
FROM: Dave Rogers  
DATE: September 24, 1976

The following paragraphs were read to the invited guests, Drs. Crumpacker, Herzog, Robinson, and White, at a meeting held Sept. 23, at 1:45 pm.

I have two things to say first, and beg for your understanding. The first is to say that I am withdrawing my activities from work in the present context at the end of this year, and will return to full time in the Department of EPO Biology at the end of the contract with the IBPCR.

The second is to apologize for causing some confusion in these deliberations.

The basis for withdrawal is as follows: I am a botanist, a professor. I have given three full years to work in the international community for a system of data management for genetic resources. I think that in this time, there has been made a clearer understanding of the problems to be faced by the international agricultural community by the work done in the Taximetrics Lab. But what remains is to get essentially political agreements made so that what is known can be put to use, and I am not interested in playing that role. The technical problems to be solved may be difficult, but not impossible. The technical questions do not interest me as a scientist, for they are not botanical.

I will tell Dean Lipetz of my decision, but I think this group meeting here should be the first to know of my decision.

The staff should know this decision. I do not have any specific instructions for you at the moment. What happens beyond January 1, 1977, is an open question with respect to work here. The Taximetrics Laboratory will continue in the Department of EPO Biology.

rs

10  
September 20, 1976

Dr. Richard A. Farley  
Director  
National Agricultural Library  
USDA  
Beltsville, MD 20705

Dear Dr. Farley:

It was my privilege and pleasure to work as a visitor at the National Agricultural Library last week. I wish to extend my thanks to you and others who were especially helpful to me, Mrs. Rogers and Mrs. Metcalf. I am particularly indebted to Mrs. Condon, Mr. Fusioni and Mr. McKissick. These people particularly were outstanding with their assistance to us, besides all others with whom we had lesser encounters. I complement you on a very fine staff and, of course, an outstanding library.

Sincerely yours,

David J. Rogers  
Director

DR:rs

RFA

\* (Retyped to  
Space on 2  
pages)

September 20, 1976

Mr. T. Ilosvay, Chief  
Field Staff Recruitment and  
Administration Division  
Cooperation for Development and  
External Relations Sector  
UNESCO  
7, place de Fontenoy, 75700  
Paris, France

Dear Mr. Ilosvay:

Reference: CPX/RAD/1/C.76/1153

You ask me to write to support the application of Sr. Pedro Garrido for a post in Guinea Ecuatorial. I am pleased to recommend Sr. Garrido, as he was a student of mine here at the University of Colorado, and received his guidance in research under my direction.

1. Technical Competence. Mr. Garrido has worked in many areas of biological science, and has specialized in systematic botany. His studies in the University of Colorado covered various subjects such as population biology, genetics, computer-aided classification, numerical taxonomy and taximetrics. He was outstanding in these subjects among the students here. His own research exhibited good design and outstanding accomplishment. He rates highly in technical competence.

2. Suitability for employment in the country specified. Sr. Garrido is very amenable to work with others, and is good in collaborative efforts. I have had the opportunity to observe him working with scientific colleagues in a most productive manner. His personality is such that he can readily adapt to a variety of circumstances and continue to be productive.

3. Integrity and personality. I was privileged to have a student whose scientific honesty is of the highest order. I would have no qualms to share with him any type of information that might be sensitive or restricted, because Sr. Garrido would respect that confidence. Personally, he is somewhat retiring, but he does not fail to respond or act when the occasion demands. I think his personal "diplomacy" is outstanding, and I am certain that UNESCO would be greatly benefited by having this man as a member representing them.

Overall, you have an outstanding candidate; and one whom I am pleased to recommend highly.

Sincerely yours,

David J. Rogers

16  
September 20, 1976

Dr. Ernest P. Imle  
Assistant Director  
USDA/ARS  
International Programs Division  
Hyattsville, MD 20782

Dear Ernie:

Thank you for your letter of August 10, including the publications from the International Programs Division. These will be very useful to us as procedures in our work with communities in genetic resources. I am glad to be kept on the mailing list, therefore.

It was good to see you, albeit for a short time. We should plan to get together on my next visit to Washington.

Sincerely yours,

David J. Rogers  
Director

DR:rs

September 20, 1976

Dr. Howard S. Irwin  
President  
The New York Botanical Garden  
Bronx, NY 10458

Dear Howard:

Thank you for your and Marian's kind hospitality. Connie and I were, of course, very pleased to see you again; and to see the fine job that you have done at the Garden and with the little house that you have made into an attractive home.

I trust that you will convey to the librarians what a very fine job and great assistance they were to us while there. It was a pleasure to use the Library, especially since I recall it before its recent renovations.

Best regards,

David J. Rogers  
Director

DR:rs

12  
September 20, 1976

Dr. Ghilleen T. Prance  
The New York Botanical Garden  
Bronx, NY 10458

Dear Ean:

Connie and I wish to thank you for a very fine evening on Friday last. We thoroughly enjoyed seeing you and Ann and your nice home.

We were very well treated in the Library, thanks to your intercession; and we got much more done than I expected we should. Please give my regards to all at the Garden. I am sorry that I did not see you Monday before leaving, but I think that we had a good visit altogether.

Sincerely yours,

David J. Rogers  
Director

DR:rs

e

September 17, 1976

Dr. William J. Lawless  
6 Golden Court  
Rowayton, CT 06853

Dear Bill:

The enclosed package represents the essential writing of Gil Hersh, and rewritten by Bill Lord. I think that it is at best only a starting document with very little opportunity to be a completed set of rules.

I would appreciate your review of what is said here and where improvements could be made. I suppose that I should have asked for samples or models from other organizations to be used as guides to what is necessary.

We will be meeting with these people, listed at the top of the memo, today; and should be able to begin the process of moving to some sort of institutionalization.

Let me know if there is anything to comment on more.

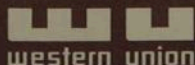
Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures

RITA



# Telegram

NO. WDS. - CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM
			night letter	UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM

Send the following message, subject to the terms on back hereof, which are hereby agreed to

Sept. 15 1976

TO	A. Adachi	CARE OF OR APT. NO.	
STREET & NO.	cable address: INBUSMACH	TELEPHONE	
CITY & STATE	Minato-ku, Tokyo, Japan	ZIP CODE	

Anticipate arrival November 2 via Japan Airlines from San Francisco. One week vacation. Start work on Tuesday, November 9. Expect you to participate with me during visits and conferences with Japanese officials in agriculture. Arrangements now being made through Dr. Kumagai, Seed Storage Lab, Hiratsuka.

Signed: D. Rogers

Operator # 188

Date/Time  
9/15 - 4:55

Confirmation *yes*

SENDER'S TEL. NO.	IS	NAME & ADDRESS	
-------------------	----	----------------	--

RS

September 4, 1976

Mr. Christopher Corman  
Boulder Limousine, Ltd.  
403 Mountain View Road  
Boulder, Colorado 80302

Gentlemen:

We strongly support the concepts of service described by the Boulder Limousine, Ltd, 403 Mountain View Road, Boulder, Colorado 80302.

The personalized service offered is important for me and my staff, who travel considerably, and are frequently inconvenienced by the present lack of public transport to the Stapleton Airport. On the average, between ten and fifteen members of the Taximetrics Laboratory staff travel at least once a month, and often more frequently. In addition, we have as many as 50 visitors per month coming for various purposes, either training or scientific cooperation. At present, because of the limited travel arrangements, we have found it necessary to provide our own transport and this is much more expensive than the service to be offered by the Boulder Limousine, Ltd.

The Taximetrics Laboratory staff strongly supports the request to P.U.C by the Boulder Limousine, Ltd.

Sincerely yours,

David J. Rogers  
Director

DJR:sh

RS  
September 4, 1974

Dr. R. M. Harley,  
Royal Botanic Gardens  
Kew, Richmond, Surrey  
England

Dear Dr. Harley:

Please forgive me for not responding to your letter of enquiry of June 17, concerning identification of the Manihot specimens. I am just back in my office after extensive travels, and will be engaged in determination, I hope within the next few weeks.

Sincerely yours,

David J. Rogers  
Director

DJR:sh

September 4, 1976

Professor J. Heslop-Harrison, Director  
Royal Botanic Gardens  
Kew, Richmond, Surrey  
England

Dear Dr. Heslop-Harrison:

Thank you for your letter of 29 July, concerning Manihot identification. I am pleased to learn that you are rearranging your collections following my classification. You have two requests: one for identification of 100 specimens of Tropical American Manihot, the other with respect to some names not covered in my treatment.

For the first, let me say that I am already very much behind in identification of a much smaller number of Manihot specimens for Dr. Harley; and that I am booked for solid travel for the next three months, and probably not returning to office until the first of December. If you could wait some time for the identifications, I will accept your kind offer to send them.

With respect to the second request, information on the names of variations under M. utilissima and M. glaziovii, and their status, I have the following comments. Though I have not seen these, (nor yet concerned myself with them in the formal treatment--an oversight on my part) my response would be that they probably have no value taxonomically, both being some selection out of the cultivated complexes of either M. esculenta (utilissima is a synonym) or M. glaziovii. Not only are both of these species natives of America, and not Africa (which would therefore make a varietal designation for African plants invalid from the definition of a variety point of view), but these two species hybridize freely; and M. glaziovii, with its recombinations, become feral in many parts of West Africa. To put a label on the specimens representing the named varieties, is of course, difficult without seeing them. So perhaps if you have the type of isotype material there, I could examine them, and add an addendum to the monographic treatment.

Sincerely yours,

David J. Rogers  
Director

DJR:sh

~~DJR~~  
R.S.

September 4, 1976

Kineo Kumagai  
Chief, Seed Storage Laboratory  
Division of Genetics  
National Institute of Agricultural  
Sciences  
Hiratsuka, Kanagawa  
254 Japan

Dear Dr. Kumagai:

I am pleased to hear of your plans to visit us in the United States, and your itinerary. We have a few questions about your trip, particularly that part from 16 October, to 21 October. If you wish to stay in Denver, that city is about one hour's drive from Boulder. If you would rather stay in Boulder, we believe it will be more convenient for your visit with us in the Taximetrics Lab. We could also arrange to drive you from Boulder to Ft. Collins on Wednesday. Ft. Collins is actually about 2 hours from Denver by car, and there is very poor public transportation (only busses, no trains).

Please let me know if it would be more convenient for you to stay in Boulder rather than in Denver. If you want to stay in Denver, however, we could arrange that as well.

Sincerely yours,

David J. Rogers  
Director

DJR:slh

RS

September 2, 1976

Dr. Setijati Sastrapradja  
Director  
Lembaga Biologi Nasional  
Lembaga Ilmu Pengetahuam Indonesia  
Jalan Ir. H. Jaunda 11 - Bogor  
P.O. Box 110  
Bogor, Indonesia

Dear Dr. Sastrapradja:

I should like to know if you would be interested to have me visit with you concerning the opportunity for continued cooperative efforts between our Laboratory and you. I know that possible training sessions were discussed between you and my assistant, Mr. Gil Hersh, when he was in Rome; but since nothing further has developed, I would be pleased to discuss any cooperative training you might consider useful.

Please let me know if you expect to be in Bogor in November, probably from about November 27 to 30. I expect to be traveling to IRRI just before then, and it would be convenient for me to come down to see you. I would be pleased to have your invitation.

Sincerely yours,

David J. Rogers  
Director

DR:sh

September 2, 1976

Dr. J. C. Moomaw, Director  
Asian Vegetable Research/  
Development Center  
PO Box 42, Shanhua  
Tainan, Taiwan 741  
Republic of China

Dear Dr. Moomaw:

You may recall that we met at IITA a few years back. Since then, I have been engaged in the development of a system for data management of genetic resources data for the International Board of Plant Genetic Resources, one of the members of the CGIAR. Part of the responsibility is to supply assistance to the Centers for various data processing requirements, if there is a desire to have our services. We are already working quite closely with CIMMYT and IIRI, and are providing some assistance to ICRISAT, IITA, CIP, and CIAT.

In November, I will be traveling to Japan, and wonder if you would be interested to have me stop in AVRDC to discuss opportunities that might interest you. This would be an exploratory discussion in which I could describe our functions and objectives, both in formal and informal sessions; and hopefully, learn what interests you and your staff may have in various data processing activities and where we might be able to provide some assistance.

My wife, Constance, will be traveling with me. Since the trip is wholly sponsored, there would be no financial obligation.

I will be in Japan discussing with their gene bank people various opportunities for cooperation with them and with IBM, Japan. I expect to depart from Japan on Monday, November 15.

I will be pleased to hear if you would be interested in my stopping to see you for one or two days, if convenient. Since time moves on, I hope you can let me know your interests and availability during the time mentioned.

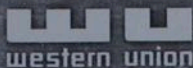
Sincerely yours,

David J. Rogers  
Director

DR:sh

cc; Dr. C. M. McIntosh, IBM

RS



# Telegram

NO. WDS. - CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM
			night letter	UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM

Send the following message, subject to the terms on back hereof, which are hereby agreed to

TO Frank Bisby CARE OF OR APT. NO. Sept. 2, 1976

STREET & NO. Biology Dept., Bldg. 44 TELEPHONE

CITY & STATE The University, Southampton, England, SO9 5NH ZIP CODE

Re: Nedret Settar. Do not consider her qualifications satisfactory for proposed work with you. English understanding is poor. Skills are non-numeric and taxonomy nil.

signed: Dave

rs  
Operator # 212 Date/Time 9/2 9:05 Confirmation yes

SENDER'S TEL. NO. \_\_\_\_\_ NAME & ADDRESS \_\_\_\_\_

WU 1207 (R 5-69)

AUG 31 1976

NATIONAL INSTITUTE OF AGRICULTURAL SCIENCES  
DIVISION OF GENETICS

HIRATSUKA, KANAGAWA, 254 JAPAN CABLE: NAINAGSC TEL.: 0463-31-3175

25 August, 1976

Dr. David J. Rogers  
Director, Taximetric Laboratory  
1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309  
U.S.A.

Dear Dr. Rogers,

I am glad to know, through the letter addressed to Dr. Watanabe, that you have been invited by IBM in Japan to our country in this later fall. I also learned that you will be visiting our Division of Genetics, the National Institute of Agricultural Sciences at Hiratsuka. I should be very happy to see you again and I am looking forward to have the pleasure of your visit here.

It is a great pleasure to inform you that the operation of EXIR program which you kindly send me was started in Scientific Center of IBM Co. in Japan. We are learning the data bank management of plant genetic resource by using our own data.

As I wrote in my previous letter, I will be able to visit your country and I would like to visit your Laboratory. I am very happy to write you that my travel schedule has tentatively been settled. I am enclosing herewith a copy of the travel schedule, and I should appreciate it very much if you would let me hear your opinion to this schedule to make my travel most fruitful.

If this schedule is acceptable to you, I should be most thankful for your kind help with the hotel booking in Denver. I would appreciate very much if you would book a single room with bath at a hotel you know in Denver for the nights from October 16 to 20, 1976. Also kindly let me know in advance the name, address and telephone number of the hotel. I will go straight to the hotel after arriving Denver and will stay at the same hotel for the weekend.

NATIONAL INSTITUTE OF AGRICULTURAL SCIENCES

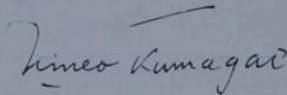
DIVISION OF GENETICS

HIRATSUKA, KANAGAWA, 254 JAPAN CABLE: NAINAGSC TEL.: 0463-31-3175

From Monday morning, 18 October, I would like to proceed to visit your University. As I am afraid that I can not manage the way to your Laboratory, I should be most thankful if you would kindly pick me up at the hotel on Monday morning. I will write you more detailed schedule when it is finally fixed.

May I say thank you very much again for your kind help and with best regards.

Sincerely yours,



Kineo Kumagai  
Chief, Seed Storage Laboratory  
Division of Genetics

Date	Lv.	--	Ar. ( Stay )	Visit ( Organization )
Oct. 9	SAT	Tokyo (10.00)	--	
10	SUN		New York (11.30)--Washington	
11	MON		(Beltsville)	USDA Agricultural Research Center
12	TUE		(do)	
13	WED		(do)	
14	THU	Washington --	Des Moines -- Ames	
15	FRI		(Ames)	North Central Regional Plant Introduction Station
16	SAT	Ames --	Des Moines -- Denver	
17	SUN		(Denver)	
18	MON	Denver --	Boulder -- Denver (do)	University of Colorado
19	TUE	do	(do)	do
20	WED	Denver --	Fort Collins -- Denver (do)	USDA National Seed Storage Laboratory
21	THU	Denver --	Spokane -- Pullman	
22	FRI		(Pullman)	Western Regional Plant Introduction Station
23	SAT	Pullman --	Spokane -- Portland	
24	SUN		(Portland)	
25	MON	Portland --	San Francisco	
26	TUE	San Francisco	(13.00) --	
27	WED		Tokyo (15.40)	

September 4, 1976

Kineo Kumagai  
Chief, Seed Storage Laboratory  
Division of Genetics  
National Institute of Agricultural  
Sciences  
Hiratsuka, Kanagawa  
254 Japan

Dear Dr. Kumagai:

I am pleased to hear of your plans to visit us in the United States, and your itinerary. We have a few questions about your trip, particularly that part from 16 October, to 21 October. If you wish to stay in Denver, that city is about one hour's drive from Boulder. If you would rather stay in Boulder, we believe it will be more convenient for your visit with us in the Taximetrics Lab. We could also arrange to drive you from Boulder to Ft. Collins on Wednesday. Ft. Collins is actually about 2 hours from Denver by car, and there is very poor public transportation (only busses, no trains).

Please let me know if it would be more convenient for you to stay in Boulder rather than in Denver. If you want to stay in Denver, however, we could arrange that as well.

Sincerely yours,

David J. Rogers  
Director

DJR:slh

LITH

August 11, 1976

Dr. James C. Hickman  
Systematic Biology Dept.  
National Science Foundation  
Washington, DC

Dear Jim:

Does the enclosed draft come anywhere close to meeting the criticisms of my initial submission made by the panel? We are working up a reference search on the taxonomy of the North American species of Vitis to accompany this.

I will call you next week on Monday, August 16, or Tuesday, August 17, to see what your reaction to this is. Thanks for your help.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

August 10, 1976

BY POUCH

Mr. J. Trevor Williams  
IBFGR Secretariat  
UN/FAO  
Rome, Italy

Dear Trevor:

Dave is on vacation until the beginning of September. Upon his return, I will bring your July 26 letter to his attention.

Sincerely yours,

Rita Sellers  
Secretary to Dr. D. J. Rogers

rs

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
INTERNATIONAL PROGRAMS DIVISION  
HYATTSVILLE, MARYLAND 20782

DJR  
[to file]

AUG 12 1976

August 10, 1976

Dr. David J. Rogers  
Director, Taximetrics Laboratory  
1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309

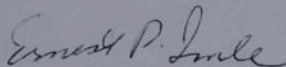
Dear Dave:

We are asking that your name be included in the mailing list to receive "Notes from Washington." We also are sending you a copy of the latest edition of our white and yellow booklets which give a summary of our current and completed projects under the Special Foreign Currency Research Program (PL-480).

Since the days when you were one of the very few researchers working on Manihot there has been a considerable increase in interest in that crop. I'm glad it is receiving recognition. No doubt you know that Dr. Jorge Leon has recently moved from FAO Rome back to Turrialba, Costa Rica where he will manage a germ-plasm project.

I shall look forward to a possible visit with you sometime when you are again in Washington.

Sincerely,



Ernest P. Imle  
Assistant Director

2 Enclosures:  
1 each of IPD-OD-1011 and IPD-OD-1029

August 5, 1976

Dr. Ernest P. Imle  
Assistant Director  
Europe-Africa Activities  
Address Code 0203/01  
USDA/ARS  
Beltsville, MD 20705

Dear Dr. Imle:

It was a pleasure after so many years to meet you again last week at the USDA/ARS Administrators' Meeting. I look forward to having the opportunity of discussing our work on the genetic resources information system project with you, specifically as it is related to the international network that is being implemented. I shall call you about a time when I may be in Washington, DC; and I hope I have the opportunity of seeing you then.

From time to time we have received a copy of "Notes from Washington" and we especially liked volume #1, March 1976, from the USDA/ARS/ International Program Division. Could you put us on your mailing list and send me any descriptions of overall international programs you may have?

We thank you for your time and assistance.

Sincerely yours,

David J. Rogers  
Director

DR:GH:rs

bcc: Dr. Quentin Jones

August 3, 1976

Dr. W. R. Birch  
Senior Lecturer in  
Botany Department  
James Cook University  
QLD. 4811 Australia

Dear Dr. Birch:

We have received your letter of July 22. Dr. Rogers is away on vacation until September 1. When he returns, I will bring this matter to his attention for reply.

Sincerely yours,

Rita Sellers

rs

August 3, 1976

BY POUCH

Mr. Richard Pichel, Chief  
AGPE, Crop Ecology and  
Genetic Resources Unit  
UN/FAO  
Rome, Italy

Dear Robert:

With respect to your request for assistance in identifying individuals to fill the role of Data Manager, I am sorry but I have no specific persons to fill the bill and who are looking to take a job.

It is a pity that one of the major recommendations that I have made is that there should be a training center for such a function established.

Sincerely yours,

David J. Rogers  
Director

DR:rs

August 3, 1976

Mrs. P. Sahertian-Bakhoven  
Clearing House Manager  
BIOTROP  
P.O. Box 17  
Bogor, Indonesia

Dear Mrs. Sahertian-Bakhoven:

I am indeed honored that you would think of sending to me the compiled bibliographies you reference in your letter of July 9. Please be assured of my appreciation in advance of these valued documents.

I am sending a copy of our recent paper on Genetic Resources Communication Information and Documentation System.

Please give my sincere regards to Setijati.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

TO Bev  
FROM Dave  
SUBJECT In-House programs  
DATE July 30, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

I return herewith the listing of in-house programs that you were kind enough to get together for me. These that you have listed should be augmented by those written by Jim Hanley and his group which tell what now exists in EXIR and also tells about the Report Generator.

However, when this list is completed, I think it should go into the newsletter which you have been proposing. (I mention this in my return to you in your request for comments on the newsletter.)

rs

TO: Kanti, Allan, Lou, Greg  
FROM: Dave  
DATE: July 30, 1976  
RE: attached ASPT Guide to Standards

If you have any comments on this guide as to its practicality and accuracy, would you please write down your comments and let me have them at your convenience.

rs

TO: Kanti, Allan, Lou, Greg  
FROM: Dave  
DATE: July 30, 1976  
RE: attached ASPT Guide to Standards

If you have any comments on this guide as to its practicality and accuracy, would you please write down your comments and let me have them at your convenience.

rs

TO: Kanti, Allan, Lou, Greg  
FROM: Dave  
DATE: July 30, 1976  
RE: attached ASPT Guide to Standards

If you have any comments on this guide as to its practicality and accuracy, would you please write down your comments and let me have them at your convenience.

rs

TO: Kanti, Allan, Lou, Greg  
FROM: Dave  
DATE: July 30, 1976  
RE: attached ASPT Guide to Standards

If you have any comments on this guide as to its practicality and accuracy, would you please write down your comments and let me have them at your convenience.

Draft of 26 March, 1976

ASPT Guide To Standards For Computer Data Processing  
(Prepared By The ASPT Committee On Data Processing Standards)  
(IAPT Moral Support Is Pending)

Please address all suggested changes  
in these preliminary drafts to:

Theodore J. Crovello, Chairman  
Department of Biology  
University of Notre Dame  
Notre Dame, Indiana 46556

To assure compatibility of systematic data banks created by plant systematists at different institutions, the ASPT Committee On Data Processing Standards has developed the following guidelines for the capture of basic information from herbarium and other specimens. These data are mostly "label data," but some amount of information also frequently is recorded from the individual plant (s) themselves (e.g., State Of the Specimen), and about the sheet (e.g., herbarium code, accession number).

Characters, Character States, And Character State Codes

We all are familiar with regular characters, their character states, and their character state codes used in systematics. As an example, we might consider leaf length as a character, and decide (for a certain study) that the most useful character states to be recognized would be only three: small; medium; and large. We might also decide to code these characters as they are captured for data processing as 1; 2; and 3 (or S; M; L, or whatever is best for the study at hand). Why bring this up in this Guide? We do this for two reasons:

1. Information obtained from label data can be viewed as just more characters, each with arbitrarily determined character states, and possibly further coding of character states (e.g., the Collector is a common character of specimens, with the state usually being the collector's name (first and last). The name could be coded, perhaps to reduce the number of keystrokes needed in data capture (e.g., instead of Edward L. Greene, capture just ELG, and let the computer automatically translate ELG into the full name on all of his specimens).
2. If we think in terms of characters, their states, and codes, then it becomes more obvious that it will be more efficient (cheaper, etc.) to merge the contents of two or more data banks, the more similar are their characters, states, and codes.

Essential And Optional Characters

The Committee believes it useful to recognize two kinds of characters: Essential, and Optional. Essential characters are those which we believe should be recorded for any plant specimen of value enough to collect. Examples include the collector, and date of collection. Optional characters are characters which, while important for some purposes or studies, can not reasonably be expected to be recorded for most every purpose of collecting specimens. Examples of optional characters are pollinators visiting the plants, and comments on associated species of plants or animals.

For each character below, we suggest a preferred set of character states, and (if to be used) a set of character state codes. For some characters (e.g., geographic locality), more than one set of characters may be suggested. This arises when more than one set of character states is, or has been, in heavy use (e.g., county names versus latitude and longitude), and where machine translation of one set of character states into another is relatively efficient and accurate.

We emphasize that these suggestions are for your output file only. Just how you can best (most efficiently) accumulate (input) the data locally, is your decision.

ESSENTIAL Characters (CS=Character States)

- C1. The Binomial (or trinomial)  
CS - Recorded in full, including the author of the taxon.
- C2. State Of the Specimens (SOS)  
CS - A three - state character, separate for each major organ:  
Leaves; Flowers; Fruits and Seeds; and Roots.  
CSC-1=Absent; 2=Immature; 3=Mature

For example, a sheet whose specimens reveal leaves mature (at least some); flowers mature; fruit and seeds immature; and roots absent, would be recorded simply as 3321.

- C3. Collector's Name and collection number  
CS-Collector's name, last name first (to permit easier searching and sorting). (What about Spanish names?)

For example, record Edw. L. Greene 7337 as Greene, Edw. L. 7337.

- C4. Herbarium Code and Sheet Number  
CS-Herbarium Code from Index Herbariorum and Sheet Number if given. If not given, record a zero.
- C5. Collection Date - Year, month and day on which the specimens were collected, (if collections extended over several days e.g., to assure mature stages of several organs, record the first date, and place the others in a "comments" character).

For example, 19401120 indicates a collection in 1940 on November 20.

Collection Location Information

- C6. Country Of The Collection Site  
CS-The name of the country as currently recognized by the United Nations.
- C7. State, Or Province, etc.  
CS-A code number for each state, OR an abbreviation for each state, as agreed upon by a nation's (?) botanical systematics society.
- C8. Use At Least Character 8A or 8B
- C8A. County Name, or?  
CS-Spell out the county name in full, according to the country's federally accepted spellings.
- C8B. Latitude and Longitude  
CS-Record latitude and longitude to the nearest minute.
- C9. Type Specimen Information (Only When Appropriate)  
CS-Kind of type (e.g., holotype, isotype, etc.), and name of person who first indicated it as such.

OPTIONAL Characters

- C10. Additional Locality Location Data (e.g., along a certain road)  
CS-Record information in complete but terse prose.
- C11. Habitat Data-(e.g., altitude, soil type, community type)  
CS-Record information in complete but terse prose. Use the metric system.
- C12. Associated Species  
CS-Record full binomials of associated species, plus their relative abundance, etc., in complete but terse prose.
- C13. Additional Comments  
CS-In complete but terse prose, include here comments on illustrations, notes, karyotype voucher information, etc. that are associated with the specimen.
- C14. Specimen Annotation Number One  
CS-Binomial/Date/Annotator One's Name (last name first).
- C15., 16, etc. Subsequent Annotations  
CS-(Format as for character C14).

July 30, 1976

Dr. Lewis M. Branscomb  
Vice President, Research  
and Chief Scientist  
IBM Corporation, 3A-55  
Armonk, NY 10504

Dear Lew:

Thank you for your letter of July 23. I am pleased to be invited to be a dinner speaker for the IBM Science Advisory Committee.

Sincerely yours,

David J. Rogers  
Director

DR:rs

July 30, 1976

Dr. Theodore J. Crovello  
Professor and Chairman  
Department of Biology  
University of Notre Dame  
Notre Dame, IN 46556

Dear Ted:

Thank you for your's of July 19 with the various appended papers. I will indeed take up your recommendations on the added field states for herbarium specimens. Thank you for that.

I append herewith my comments on the ASPT Guide to Standards. The second copy of that guide is being distributed through the house for comments.

Let's continue developing ideas for a concerted attack on monographic methods. I started writing the ideas down, and found more to say than I thought I did originally. It will be so much the better if the two of us (and others?) assist with it.

You probably will be interested in the enclosed reprint by Hersh and me. I believe the subject matter to be critical no matter which area one attempts to develop an integrated system for. I hope the paper enclosed, therefore, will have some significance to you.

It was good to see you and I thoroughly enjoyed our conversations.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures

TO Gil  
FROM Dave  
SUBJECT Telephone conversation with  
Bill Lawless on 7/28/76 am  
DATE July 28, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

Bill wanted to know, amongst other things, how things are going here. I reported to him on the general good results in Washington. He asked, of course, what we are doing in terms of organization; and in his own gentle way chided us for no progress. Specifically, he said to me that I should tell Gil that as Director of Planning he had better get the Mission Statement written.

rs

July 28, 1976

Dr. Wen Yang Lai  
940 East Ash #5  
Othello, WA 99344

Dear Dr. Lai:

Thank you for your inquiry concerning the announced position - Coordinator, Genetic Resources Network Development Program. Please excuse my delay in responding, but unfortunately due to financial exigencies we are having to suspend this position at present. I trust that it will be only temporary, and we will keep your vita on file.

Sincerely yours,

David J. Rogers  
Director

rs

bcc: Dr. Kanti Rawal

TO: Jay, Gil, Kanti, Jim H., Allan, Bev, Judy

FROM: Dave

DATE: July 26, 1976

RE: visitors from EMBRAPA

It has been confirmed that two people from Brazil will be in the shop from September 1 to the end of November. Their objective while here is to become familiar with various approaches used by us for GR/CIDS. Attached is a letter from Gilberto Paez that tells about these two individuals and what Gilberto hopes they will be able to learn while here.

George Estabrook recently recommended that these two individuals should go to Michigan for some time preferably in October, at which time Bob Brill would be willing to give some instructions to them. Estabrook comes into this through the interest in the Brazilian Flora Project. And indeed Claudio is assigned to the Brazilian Flora Project. It would, therefore, be useful I think if both Edson and Claudio got to visit with Brill and Estabrook in Michigan.

TO: Jay, Gil, Kanti, Jim H., Allan, Bev, Judy

FROM: Dave

DATE: July 26, 1976

RE: visitors from EMBRAPA

It has been confirmed that two persons from Brazil will be in the shop from September 1 to the end of November. Their objective while here is to become familiar with various approaches used by us for GR/CIDS. Attached is a letter from Gilberto Paez that tells about these two individuals and what Gilberto hopes they will be able to learn while here.

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TO Joe Ben Wheat  
FROM Dave Rogers  
SUBJECT Reprints for you  
DATE 7/21

UNIVERSITY OF COLORADO

Interdepartmental  
Memorandum

Dear Joe Ben -

I don't know why I am on a mailing list for the attached papers, but I am.

Are these interesting to you? If so please keep them - if not, ditch 'em -

Regards -  
Dave

Rita

July 21, 1976

Dr. Rose-Marie G. Oster  
Associate Dean  
Graduate School  
Regent Administrative Center  
University of Colorado  
Boulder, CO 80309

Dear Dr. Oster:

I request that the appointment for Gregory R. McArthur as a 25% time Research Assistant (RA) be approved. Thank you.

Sincerely yours,

David J. Rogers  
Director

DR:rs

GRADUATE SCHOOL JUL 22 '76

JUL 26 1976

Taximetrics Laboratory

1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309

Telephone: (303) 492-5056  
492-8598  
Cable: GENRESYS Boulder

July 21, 1976

Dr. Rose-Marie G. Oster  
Associate Dean  
Graduate School  
Regent Administrative Center  
University of Colorado  
Boulder, CO 80309

Dear Dr. Oster:

I request that the appointment for Gregory R. McArthur as a 25% time Research Assistant (RA) be approved. Thank you.

Sincerely yours,

*David J. Rogers*  
David J. Rogers  
Director

DR:rs

*Approved*  
*RMO*  
*7.28.76*

Rose-Marie G. Oster  
Associate Dean



July 20, 1976

Professor Amram Ashri  
The Hebrew University  
Faculty of Agriculture  
P.O. Box 12  
Rehovot, Israel

Dear Prof. Ashri:

Thank you so much for your letter of June 20. Your student sounds very capable and we would like to have him here to do his Ph.D. work. You will appreciate the fact that we have no specified degree "biological data management"; and so the degree will have to be called systematic biology. Of course, we can give the necessary training which your student seeks, but must do so within the framework of the degree available.

At the moment I have no funds for fellowships. However, I have asked Mr. Gil Hersh to go into the matter of funding and hopefully he will have some recommendations for us. I doubt if we could accept Mr. Gold until sometime in 1977 at the earliest. But he might as well proceed to make a formal application to the Graduate School of the University of Colorado. He will have to go through this step anyway for admission. He could at the same time inquire about financial resources through the university channel.

You ask how I might be able to travel to Israel with respect to your program of national germplasm bank. Of course I am interested, but at the moment have no resources for a specific trip to Israel. If I have to travel to Rome sometime this year, I might be able to fit in a continuation. However, I do not have any specific plans for this trip at the moment.

Sincerely yours,

David J. Rogers  
Director

DR:rs

July 20, 1976

Dr. Frank Bisby  
Dept. of Biology  
Building 44  
The University  
Southampton SO9 5NH  
England

Dear Frank:

Thank you for your's of June 9. To answer your question specifically, I will try (as you are) to contact the publisher right away for advice and perhaps financial resources. There are probably other resources, however, that we should examine; and I will ask that Gil Hersh follow up on them so that even if we are not able to get funds from the book publishers directly, there may be other resources available to us to continue.

I do not believe at anytime in our correspondence that I mentioned that Lois Abbott, who is a Ph.D. degree candidate under my direction, is interested in assisting us with the book. Lois is quite an experienced individual, mathematically and biologically; and is much better off than the average student with a broad base of knowledge in many computer aided models, as well as well-founded in mathematics. She will be of great help to us in the development. She is occupied this summer with a course in California, but will be back in September when she will be able to participate with us more fully.

I plan to be away during the month of August, but hope to get out a more detailed outline for the proposed book. I really look forward to this work. And hope that you will continue to ~~chis-~~<sup>gin</sup> up more ideas for it.

Best regards,

David J. Rogers  
Director

DR:rs

July 20, 1976

Dr. George Estabrook  
Botany Department  
University of Michigan  
Ann Arbor, MI 48104

Dear George:

I really appreciate the copy of your paper, Cladistic Methodology, etc. And I am particularly pleased with the acknowledgment at the end.

I look forward to your idea of sharing the Brazilian visitors. I am sure that we can arrange for their visit with you at your convenience.

It was a great pleasure to see you earlier on in July, and to meet Bronwen. Give her my regards.

Sincerely yours,

David J. Rogers  
Director

DR:rs

12  
July 20, 1976

Mr. Jayant A. Joshi  
23 Vijaya Vilas, Omer Park  
Warden Road  
Bombay, India 400036

Dear Mr. Joshi:

In response to your letter of July 9 requesting the opportunity to da a Master's degree in Business Administration, I will forward your communication to a good friend of mine in the College of Business on campus. I expect that he will himself or through his college send you information about registration at the University of Colorado. Aside from this one school, you perhaps might be as well advised to make applications to the University of Chicago, College of Business, and several others that you may choose rather than depend on an application at one institution alone. I trust that you will have success in achieving your goals.

Sincerely yours,

David J. Rogers  
Director

DR:rs

July 20, 1976

Ms. Patricia Langton  
Langton Report Specialists  
1911 11th Street  
Suite 210  
Boulder, CO 80302

Dear Ms. Langton:

Thank you for sending your resume. As soon as we have the opportunity to do so, we will call upon you for assistance for the indexing of which we have spoken.

Sincerely yours,

David J. Rogers  
Director

DR:rs

bcc: Dr. B. Sim

TO Claude McMillan  
FROM Dave Rogers  
SUBJECT attached letter  
DATE July 20, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

Please read the attached letter and suggest whether or not this student (who is the son of one of our influential Board members) can be accommodated. Could you ask the appropriate people in the College of Business to send the young man mentioned the necessary information?

Thanks.

rs

July 19, 1976

Mr. James Allen Gilchrist  
R. R.  
Seiling, OK 73663

Dear Mr. Gilchrist:

Thank you for your inquiry of July 8 concerning the announced position as Coordinator, Genetic Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust that it will be only temporary, and we will keep your vita on file.

Sincerely yours,

David J. Rogers  
Director

rs

bcc: Dr. Kanti Rawal

DNR

AUG 30 1976

INTERNATIONAL CROPS RESEARCH INSTITUTE  
FOR THE SEMI-ARID TROPICS  
(ICRISAT)

1-11-256, Begumpet,  
Hyderabad-500 016, A. P., India.

July 15, 1976

Dr. David J. Rogers  
Taximetrics Laboratory  
Department E.P.O. Biology  
University of Colorado  
Boulder, Colorado 80302

Dear Dr. Rogers:

I wish to provide you with more detail than was included in our cable of July 13. Dr. van der Maesen is leaving today for a three or four week trip to Kenya. After his return, he will shortly leave for Afghanistan and will return in mid-September. I will be attending the first Southeast Asia Regional Computer Conference in Singapore during the first week of September. Finally, since the IBPGR Advisory Committee for Sorghum and Pearl Millet Germplasm Resources is meeting here from October 3-8, we feel it would be most beneficial for you to visit at that time.

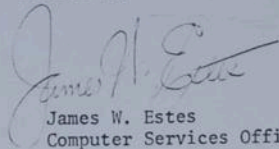
Our computer system was installed the last week of December, 1975 and we have been running successfully since then. Most of our effort to date has been to develop a basic statistical library and an online data collection and maintenance system.

I have received the source listings of EXIR which were given to John Henning and a copy of the EXIR manual. I thank you and your staff for spending time with John. I hope to become as familiar as possible with your system prior to your visit to ICRISAT in order that we may discuss the alternatives for implementing a germplasm retrieval system on our computer system.

I am sorry I was unable to visit your laboratory before coming to India. We are looking forward to your visit.

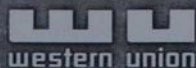
*Jay - let me know what you decide.*

Sincerely,



James W. Estes  
Computer Services Officer

cc: RWC  
JSK  
LJGM



# Telegram

NO. WDS - CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM
			night letter	

Send the following message, subject to the terms on back hereof, which are hereby agreed to

Sept. 17, 1976

TO J. Estes

CARE OF  
OR APT. NO.

STREET & NO. Cable address: CRISAT

TELEPHONE

CITY & STATE Secunderabad, India

ZIP CODE

Received your July 15 letter Sept. 3. Not possible to visit beginning of  
October. Is another time feasible? Anxious to begin cooperative project.  
If you need any material prior to the Crop Meeting, Please contact us.  
Details to follow in letter.

signed: J. April

Operator # 222

Date/Time

Confirmation

9/17 5:30

yes

rs

SENDER'S TEL. NO.

NAME & ADDRESS

July 3, 1976

Mr. P. Harris  
4 Reservoir Road  
Pointe-a-Pierre  
Trinidad  
West Indies

Dear Mr. Harris:

I am sending in a separate package the paper of mine that you requested. You may wish to also consult a more complete publication of mine, which unfortunately sells for \$25 plus shipping costs. However, it should be available at the library of the University of the West Indies - Flora Neotropica, Monograph No. 13, MANIHOT MANIHOTOIDES (Euphorbiaceae); 1973.

You had two other questions associated with this in your letter. I am sorry that I have no other information about the conjunction of Piptadenia paragrina with wild manioc. In answer to your second question, most of the species of the genus have the qualities of either weeds or other adventives. This is only an hypothesis, and there is no precise knowledge in my data. Therefore it is dangerous to use my hypothesis with no factual information to back it up. I hope this answers your questions.

Sincerely yours,

David J. Rogers  
Director

DR:rs

TO Gil  
FROM Dave  
SUBJECT telephone conversation with  
Dick Demuth  
DATE July 12, 1976

rs  
UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

In a phone conversation this morning with Dick Demuth, he said that he did not seem to get the point clearly in mind that he has any responsibility whatsoever in this case. Perhaps the letter which you wrote will be useful.

About the only thing Dick did do was to suggest that we write to Bommer; and ask Bommer directly about what news there is in regards to FAO's contributions.

rs

July 12, 1976

Mr. Richard H. Demuth  
Surrey, Karasik & Morse  
1156 15th Street, NW  
Washington, DC 20005

Dear Dick:

Your letter of June 29, 1976 with your prepared statement for TAC arrived last week. We have read it carefully, and can assure you that what you have said about the project is basically correct. There are, however, six points which we wish to clarify:

1. (refer to RHD statement - page 7, line 3) EXIR is a computer program which is currently a primary operational tool for information management within the genetic resources information system (see AC report - page 12/13, point 58:1).
2. (refer to RHD statement # page 7, line 6) The final release draft of the EXIR Users' Manual is now being typed and edited. Perhaps it will be available for Centers' Week; if not, certainly within a few weeks.
3. (refer to RHD statement - page 7, line 7-16) We are also involved in working with the Crop Advisory Committees (especially maize and wheat) to pull together what the AC report refers to as Library of Genetic Resources Information on a crop basis (see AC report - page 9, item 42). Included in this is the development of methods and information for the Crop Advisory Committees to study and recommend "... descriptors to be used for each major crop" (RHD statement - page 3, line 17). And in fact, has been requested by the Maize Advisory Committee and CIMMYT. It is possible that the first draft publication of the Information in the international "maize library" will be ready within the first quarter of 1977.
4. (refer to RHD statement - page 1, paragraph 2) Based on the recommendation, the Leningrad Wheat Workshop and the FAO/Wheat Advisory Committee suggestion that we work on several of these recommendations, we will be assisting in providing the documentation and data flow from the work of field collection to the

"international crop library." Such procedures will assure that germplasm maintenance is controlled through immediate data flow from point of collection and very early advice to the World Genetic Resources community on the availability of newly collected germplasm. This includes the design and use of forms working with standard minimum wheat collection descriptors.

5. (refer to RHD statement - page 7, line 11) The use of the phrase ". . . relatively unsophisticated computer facilities" may cause some trouble since "sophistication" is a loaded term. Small desk model "computers" with a core of 1K - 32K bytes are "too unsophisticated"; minicomputers with a disk operating system, a tape drive, a card reader, and a printer with a core of 64K bytes to 126K bytes is "sufficiently sophisticated." And EXIR will work well on larger, more complex computer systems.

6. (refer to RHD statement, - page 7, last line) ". . . the EXIR scheme . . ." EXIR, the computer program was determined to be technically sound and very effective (AC report - page 12/13, point 58:1); and the AC also found that major components of the GR/CIDS "scheme" to accord satisfactorily with the goals and objectives of IBPGR (see AC report - page 13, point 59).

In reading the last section of the statement, a problem came to mind concerning the funding of our work in 1977. As proposed to the Board and FAO, we project our needs in calendar year 1977 at \$465,000. The increase due over previous year to the usual cost increments within any institution. The scope of work was presented, as it is now, as an integral operation to carry out, in fact, much of what the AC has suggested in spirit and scope. It is unclear as to whether FAO will honor its earlier commitment to cover its share of the program (\$67,000). Should FAO not be in a position to provide these funds, is there some mechanism through which the IBPGR can? The loss of this amount would be most destructive to the integrity of our pursuing the GR/CIDS program. This is especially true given certain important recommendations of the Advisory Committee.

The discussions with University officials here are going well and are encouraging. Shortly we will be able to present to you (and the AC) some of our thinking on the future organization of our project; but at the moment, I am deeply worried and preoccupied by the possible loss of funds due to FAO's non-participation in our very highly integrated GR/CIDS work.

Sincerely yours,

David J. Rogers  
Director

DR:rs

MINUTES OF JULY 9, 1976 MEETING

PRESENT: Dave, Gil, Jay, Bill Lord

submitted by: Rita Sellers

At the outset of the meeting an agenda was proposed.

1. proposal to IRRI
2. reply to Demuth regarding the report to TAC
3. informing the staff
4. name

IRRI

Jay, while on his trip, made a commitment for us to submit a proposal over all data management systems. Jay and Jerry made an estimate at that time. And a written proposal was promised to them at IRRI for around July 15. This work is for writing a set of computer programs for genetic resources data and advanced line data.

If they do not accept our proposal, they will sometime in the future need outside assistance. It would benefit us to get this job, because this would be our first "hands on" work. It would provide us with experience.

There is a difference between the original estimate and the present estimate, which is over twice as high (2.2 times greater). Jay wants to send a cable to Nyle Brady at IRRI about this 2.2 increment. However, IRRI was told that the original estimate was rough. Still the cost is open for negotiations.

But there are good reasons for going ahead with submitting the proposal.

- a) Part of the contract with IBPGR indicates that we get involved with IRRI (and CIMMYT). And this is the first step towards doing something that we could handle, and should then open doors for us at IRRI. It will also provide us with individual work experience with scientists, such as Kwanchai Gomez, besides bringing us credibility.
- b) The work will benefit us outside IRRI: produce fieldbooks and queries. ~~Jay noted that although we have no obligations to training and no obligations to providing manuals,~~ *out* we do have an obligation to installations. However, in this case we do plan to write a manual for IRRI. This should be six months to completion. Our documentation (or EXIR Users' Manual, or programmers' manual for EXIR) is all within this time frame. The title will be "Fieldbook Facility."

Dave inquired about what this project meant with respect to Tax Lab personnel. Jay said that the involved personnel are to be Allan and Ed; Jerry was only in on the proposal work. And Allan will still be handling pre-processing work. This will be a heavy load on Allan, but he will be able to finish documentation on our internal information flow (equaling 6 man years).

The program is written now for their present computer. If they want to transfer the program to another computer later, they will have to pay for any necessary installation - paying for our travel there.

Jay admitted that our time estimate for getting this proposal out was bad. Because of the time element, Dave felt that there was no need for himself to review the IRRI proposal before it was mailed.

Dave said that he would like to be a listener at the in-house meetings for the design of the programs. Jay pointed out that they have only been talking about the technical aspects of the design; but Dave still felt that he should be informed about these meetings. Gil thought that Dave's presence at meetings might cause confusion as to just what his role there is; and some meetings should not be open because of the possible change "of the chemistry" between the members of that specific meeting. Nonetheless, Dave would still like to know about progress and planning.

This point was made an agenda item for the next meeting, so as to give it the necessary time. A procedure should be worked out.

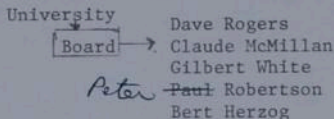
DEMUTH

Gil read his Tax Lab reply to Dick Demuth (re. TAC), which is to be signed by Dave.

INFORMING STAFF

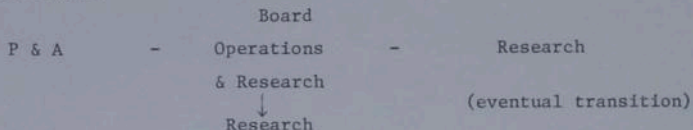
It was decided that there is a need to tell the staff what our proposed action is.

1. Mission objectives elaboration
2. Organization



3. Rules
4. Transition Period

The meeting for the Internal Board should be set up for the end of August or the beginning of September.



- research not educational: a research manager

Jay thought that we should not drop the Research Manager position from the organization chart, but leave it open.

NAME

Dave proposed that this should be put to the staff, and reward the member who comes up with the best name.

"No urgency" in deciding upon a name was the outcome.

NEW BUSINESS

1. Jay mentioned our IBPGR contract and proposals to CIMMYT, IRRI, and USAID (Guy Baird). It was proposed that we could split up the IBPGR contract and submit our contract request to FAO in August - splitting the contract into two parts, or whether the contract should be split at all.

USAID

- 1) Nicaraguan project
- 2) Latin America

Nicaragua would not be a formal proposal, but rather a statement showing our interest in the project with no commitment. A "proposal" to USAID (attn: Pratt) is needed in July, stating that an organization like our's can do this work in Nicaragua. However, Jay noted that this is a fragile situation calling for careful wording of the proposal on our part, because we have not been told about this work in Nicaragua.

We should begin to explore with IBS the job of writing the draft proposal. This might involve Bill Lord and Elise Boulding; Gilbert White is interested, but no action has been taken by IBS. Bill thinks that Elise Boulding would want to be a participant, but not a leader.

2. Gil thinks that we will probably receive no money support from the Computing Center for fiscal year 1977. We may continue to use the facilities there, but get no money. Gil is to meet with Herzog on July 20. And he thought that this should be brought up to the Board.

It was mentioned earlier by Gil that we might be able to use a remote terminal at the IBM plant on Diagonal Hwy., which is hooked up to the Cambridge Scientific Center's computer; or use Regent's computer.

3. Jay mentioned that he is putting out a "feeler" for Post Doctoral candidates in the USDA project. From talking to Varnell, the range at Gainesville is \$12,000 - 15,000 per year, plus fringe benefits. The "feeler" has gone out to Harlan's group in Illinois and to Fort Collins through Dorris Clark and Bob Adams.

---

Agenda for next meeting:

1. discuss matter of open meetings for all personnel
2. Bunting as member of internal board and his frequent travel to Boulder
3. relationships with Computing Center for 1977.

MINUTES  
page 4  
July 9, 1976

THINGS TO DO

Jay

cable N. Brady; re. 2.2 increment

Gil

call Bunting on Tues., July 13 or Wed., July 14; re. inviting him to come to Boulder after Center's Week, which is held at the end of this month, to serve on our internal board

meet with Bert Herzog on Tues., July 20

Set up Internal Board meeting for end of August or beginning of September

Nicaragua "proposal" (USAID) - to be drafted by July

Rta

Taximetrics Laboratory

1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309

Telephone: (303) 492-5056  
492-8598  
Cable: GENRESYS Boulder

July 7, 1976

BY POUCH

Mr. J. Trevor Williams  
Crop Ecology and Genetic Resources Service  
Plant Production and Protection Division  
UN/FAO  
Rome, Italy

Dear Trevor:

Ref. PL 2/8

In answer to your's of June 18, with respect to the student Quat Ng and the taxonomic studies of rice, it seems to me that there must be some way for him to work with us here long enough to get some concept of how to approach computer aided analysis for taxonomy. For example, I have heard that FAO itself has FAO fellowship money. I think it is called the Adre Mayer FAO Research Fellowship. You could probably find out more details on this somewhere in the FAO Headquarters. However, the work is of sufficient importance that following that particular route I believe that an application for Mr. Ng might be raised through the Rockefeller Foundation. You might write to the "Conquest of Hunger Program" at the Rockefeller Foundation. I enclose a copy of a letter from Peter Jennings which outlines what might be done in respect to this.

Since the appropriate application of various computer aided methods requires a consideration of all facets from the actual structures of the characters themselves as input to various computer programs, on through various means of character analysis (which essentially is a PCA activity) through clustering methods, one has to integrate all of these before one can be sure of success in the interpretation of computer printouts. I am sorry I do not have a textbook on this subject at this moment, but Frank Bisby and I have been trying to get together to write one.

Of course, the applications of numerical taxonomy (or more appropriately taximetric methods) to cultivated plants has been minimal. There are not many examples that I know about that indicate how the computer methods are best applied. About the best I can recommend at the moment as a guide through the decision making process is to read the monograph of Manihot esculenta that I wrote in the Journal Economic Botany, volume 27, pages 1-113; 1973.



July 7, 1976

In that paper, the first half is devoted to general methods of application of our taximetric methods to one cultigen. This addresses the whole problem I described before and might give some guidance for your student.

As you know, I am very concerned that we get more systematic analyses; and I am very pleased to hear of the progress that your students are making. I think together we should try to support this student and to design actual data processing that would be helpful.

With respect to other matters that you raised with me earlier, I am still working on these.

Sincerely yours,



David J. Rogers  
Director

DR:rs

Enclosure

JUN 17 1976

# The Rockefeller Foundation

1133 AVENUE OF THE AMERICAS, NEW YORK, N.Y. 10036

CABLE: ROCKFOUND, NEW YORK  
TELEPHONE: (212) 869-8500

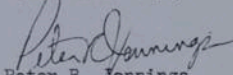
June 15, 1976

Dear Dr. Rogers:

This is in reply to your letter of June 7 in which you inquire about Rockefeller Foundation fellowship support for Ph.D. candidates, specifically in the area of taximetrics.

Under our Conquest of Hunger program, we have had a long history of fellowship support for graduate students, the great majority of whom are from developing nations, in numerous areas of agriculture. Our fellowship program is virtually confined to institutions with which the Foundation has ongoing cooperative programs. Candidates must be sponsored by these institutions which guarantee positions for them upon completion of their study program. A request for training in taximetrics would originate in an institution where we have a cooperative program. They would propose a candidate and indicate their preference for the university where the candidate would take his graduate work. In this manner, we attempt to service a specific need as defined by the sponsoring institutions of the candidate.

Yours sincerely,

  
Peter R. Jennings  
Associate Director for  
Agricultural Sciences

Dr. David J. Rogers  
Director  
Taximetrics Laboratory  
1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309

fma

To: Jay, Gil, (Dave), Hanley, Ronnie, Allan, Gail, Mark, Kanti, Max  
From: Don and Bev  
Date: 7/6/76  
Re: EXIR brochure

The attached paper is a draft for a brochure which will respond to the Advisory Committee's request for a "layman's account of EXIR."

We hope that the reader of the brochure would read it and want to know more about the EXIR system.

This is intended to be a public relations document. Our audience is not particularly sophisticated in computerized data or information management and is possibly even afraid of it.

We do not intend that the brochure be a technically exhaustive discussion; we intend that it "sell" EXIR.

Please read, edit and criticize the brochure. Have we said anything that is not true? Have we omitted discussion of any sellable features? Is the example reasonable? Does the information in the brochure flow intelligibly at the intended level?

We would like to meet Friday, July 9, 10-11 a.m. in the conference room to discuss this draft and the ultimate product.

Of the many challenges facing modern science, perhaps the most pressing is the need to manage and effectively utilize large bodies of data and information.

In plant breeding and genetic resources research, data and information management problems have become critical. Inability to manipulate massive amounts of accumulated data and information impedes the progress of research. Timely response becomes more difficult even as world food supply problems increase.

Suppose you were maintaining a wheat germplasm collection consisting of 30,000 accessions. You receive a request for seeds of dwarf wheat which will require a short growing season, will have a high yield and be highly resistant to mildew. What do you do?

Finding the appropriate seeds from a collection of 30,000 accessions by hand-sorting would be impossible; this many variables located in one accession would be extremely difficult to find by even the best cataloguing methods.

Computer-assisted information storage and retrieval systems could respond to the request in less than two seconds.

EXIR

EXIR (Executive Information Retrieval) is an information storage and retrieval computer program which was developed by the Taximetrics Laboratory at the University of Colorado, Boulder, Colorado. EXIR was designed to meet the specific needs of scientists who must store and use large amounts of data.

\*EXIR accommodates large data bases

EXIR is specifically designed to accommodate large data bases. For example, all the data from the National Seed Storage Laboratory in Fort Collins, Colorado is in an EXIR data bank containing more than 80,000 items with more than 100 descriptive categories for each item.

\*EXIR requires no knowledge of computer language

EXIR was developed for use by people who have no special knowledge of computers or of computer languages such as FORTRAN. EXIR is operated by commands and queries in natural language, and is available in English, French and Spanish versions.

\*EXIR versions are available for CDC, IBM, Burroughs computing machines, and there is a minicomputer version as well

The versions of EXIR for full sized computers contain large amounts of data; the minicomputer versions contain somewhat more limited amounts of data, but are correspondingly less expensive to operate.

\*EXIR is flexible

EXIR is an extremely flexible software package. Its output is compatible with many other statistics and display programs. Available from the Taximetrics Laboratory, and developed along with EXIR, are the REPORT GENERATOR (a display package), and

EXIR output is also compatible with other widely-used analysis programs such as SAS, SSPS, BMD

EXIR is available in either batch or interactive mode.

\* EXIR is not a proprietary program; it can be installed at cost

EXIR is not a proprietary program; it can be obtained from the Taximetrics Laboratory at the University of Colorado. The only costs which might be incurred depend on the extent to which the services of Taximetrics Laboratory systems programmers are necessary for installation and training. The Taximetrics Laboratory is a non-profit research organization; our ability to provide the EXIR program and other packages is due to the funds provided by the Consultative Group on International Agricultural Research, the International Board for Plant Genetic Resources, International Business Machines Corporation, Codvintec Pacific, the United States Department of Agriculture, the State of Colorado and the University of Colorado.

## HOW EXIR WORKS

Let's return to our hypothetical query, and see how the EXIR program works. Assume that we have the following items among many others in an EXIR wheat data bank of 30,000 accessions.

Accession number	Plant height	Yield: kg/hect	ear emergence to harvesting	Mildew resistance
00021	60 cm	2600	1	2
01634	65 cm	2900	2	3
02100	70 cm	4500	1	2
02798	92 cm	3200	2	3
04991	92 cm	3200	2	3

abstract from a typical wheat data bank

The following command to the EXIR program

```
? PRINT:ACCESSION NUMBER FOR WITH PLANT HEIGHT, FROM 60 TO 85 AND
? YIELD, FROM 4000 TO 9999 AND
? EAR EMERGENCE, FROM 1 TO 3 AND
? MILDEW RESISTANCE, FROM 1 TO 3+
```

will cause EXIR to sort out from all 30,000 accessions, including those above.

```
NO. OF ITEMS IN QUERY RESPONSE = X
O. OF ITEMS IN THE DATA BANK = Y
PERCENTAGE OF RESPONSE/TOTAL DATA BANK = Z
```

02100

The EXIR program can extract from very large data banks one item with one descriptive category, or any number of items with any number of descriptive categories.

EXIR data banks are extremely flexible and can be designed to accommodate the User's special requirements. Large numbers of descriptive categories can easily be handled. Data can be entered and extracted as words, numbers, codes or ranges of numbers.

#### RESEARCH AND DEVELOPMENT

In response to the needs of users, the EXIR program has gone through several versions. Recently, for example, a program device called a lexical analyzer (or syntax analyzer) has been added to find errors in data much more quickly than was previously possible. Earlier, a new input/output subprogram was written which greatly facilitates the process of building a data bank and the process of extracting information from it.

Currently, we are working on several new capabilities for the EXIR program. Among these is a capacity to print out data in either ascending or descending order of magnitude, as the user prefers, and a capacity to edit out or not to edit out duplicate variables, again, as the user prefers.

By the end of 1976, a standard, base version of EXIR will have been developed which will be available on most computers. A preprocessing program to accommodate machine-specific difficulties will be part of this base version.

Research and development on the EXIR program also focuses on statistical and analytical matters, such as clustering/etc.

EXIR AT THE TAXIMETRICS LABORATORY

At the Taximetrics Laboratory, EXIR is viewed as a tool in the study of scientific information management. The program is used to store the many crop data banks which are held both by the Lab and by the International genetic resource institutes which gathered the data. Working in this fashion, we can experiment with problems in data gathering, data bank building, querying, updating and correcting, as those problems are experienced by the user. Close observations can be made on the problems of communication of information among scientists: how does information get into a computerized data bank, out of that bank, and into another bank, to be used by a scientist in another part of the world?

Individuals who wish to know more about EXIR may obtain the EXIR User's Manual from the Taximetrics Laboratory, 1229 University, Boulder, Colorado 80309, U.S.A. The EXIR User's Manual is both a teaching manual and a reference manual, and will help the novice user build a data bank and perform updating, querying and other operations on that bank.

Additional information about EXIR may be obtained by addressing inquiries to  
  
at the above address.

# # #

July 5, 1976

Dr. Yoshiro Watanabe  
Liaison Officer with IBPGR  
Chief, Division of Genetics  
National Institute of  
Agricultural Sciences  
Hiratsuka, Kanagawa 254  
Japan

Dear Dr. Watanabe:

I have just been informed by Mr. Pichel that I should be sure to be in touch with you in respect to the GR/CIDS program and activities. Mr. Kumagai, whom I met in Leningrad one year ago, had requested that I send to him a tape of the EXIR program which is used as a major computer program in the GR/CIDS activity. Apparently, there is a close working relationship between the IBM Scientific Center in Japan and the agricultural community. And the tape of EXIR that I sent will eventually be put up on the IBM machine in Japan, as a demonstration of only one possible means to assist the genetic resources activities in Japan.

I have been invited by IBM Japan to participate in a symposium in November of this year, and I have been in touch with several of the Japanese scientists who are interested therein. More details of the symposium and discussions of applications of computing machines to genetic resources can be determined by contacting Mr. A. Adachi  
Department of Academic and Scientific Relations  
IBM Japan Ltd.  
2-12 Roppongi, 3-chome Minato-ku  
Tokyo 106, Japan

I trust that during this meeting, which is to be November 13-14, that I will have an opportunity to discuss with you the GR/CIDS program for the IBPGR in more detail.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. R. J. Pichel

Lit

July 2, 1976

Mr. A. Adachi  
Dept. of Academic and  
Scientific Relations  
IBM Japan Ltd.  
2-12 Roppongi, 3-chome Minato-ku  
Tokyo 106, Japan

Dear Mr. Adachi:

Mr. C. M. McIntosh, IBM Program Manager in New York, has asked me to contact you in order to describe more fully the areas that I will cover in my presentation at the November symposium in Tokyo. Below I describe the areas that I will be covering.

The title that I will use is "Genetic Resources Communication Information and Documentation Systems"(GR/CIDS). In this presentation I will describe the needs for and means by which a systems approach to all data management problems for genetic resources can be employed. This discussion will describe the various components of the functions of genetic resources and how data management techniques fit the various genetic resources functions. My discussion will further cover an overview of the proposed information management system, referred to by our group as EXIS.

I trust that during my visit there will be an opportunity to show the capabilities and functions of one part of our information management system that is the data storage and retrieval system, EXIR.

I hope that the above gives you sufficient information. If it does not, please let me know what further details would be helpful.

Sincerely yours,

David J. Rogers  
Director

DR:rs

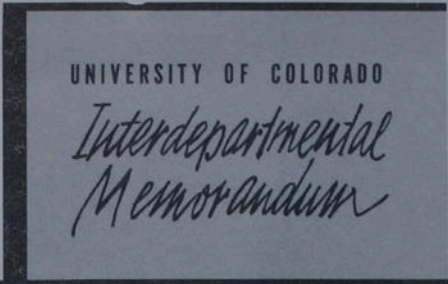
cc: Mr. C. M. McIntosh

TO Jim S.

FROM Dave

SUBJECT colored transparencies (for CODATA  
presentation)

DATE July 2, 1976



The colored slides did not show up as colored when used with the overhead projector. So, it doesn't seem worth all the trouble to bother with different colors with such overhead projections.

rs

TERM PAPER

(A Short Summary of "Plants and Man")

Plants are the basis of life as we know it.  
If the plants are concerned about that, they don't show it.  
They have funny names, some Linnaean, some cuneiform.  
They're genetically based, and they're dangerously uniform.

In the Orient, I'm told, we are sure that there lies a  
Proponent or two of the genus Oryza.  
And from these proponents' success, we derive a  
Dangerous dependence on species sativa.

The "soak-it-two-hours, don't-eat-it-right-now-pea,"  
Is called by the African natives, the "cowpea."  
The botanists call it V. unguiculata.  
(In Africa, see, it is usually hottah.)

Most manihot  
I think is not  
Eaten (at least as esculenta)  
Except near its diversity centah.  
Which means (and this is even sillier),  
You eat it only in Brasilier.  
Elsewhere (at least so goes the joke)  
The folks don't care for manioc.  
In fact, it usually makes them choke.

Maize  
Pays.  
Unless, of course, by mutation or spasm,  
It's based uniformly on T cytoplasm.

But aestivum  
Is the best of 'em.  
The best of whom?  
Why, triticum.  
So when your brotner believes that you're really his keeper,  
Be glad that McCormick invented the reaper.

And the history we know about most of these species  
Is what we find out by examining feces.  
Which we duly report in our Ph.D. theses.

As a botanist  
I'm the rottenest.

But I enjoyed the course.

Lin

June 30, 1976

Mrs. Corinne Pelzl  
Carr Greenhouses  
P.O. Box 6  
Yellow Springs, OH 75387

Dear Mrs. Pelzl:

Thank you for your letter of June 25. Unfortunately our efforts for the investigations in the area of taxonomy have not dealt with the problems you mention with respect to numerical listings for families, etc. Perhaps you should contact Dr. Theodore Crovello of the Department of Biology, University of Notre Dame. He would probably have more experience in this connection and be able to help.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 28, 1976

Mr. James H. Cock  
Organizing Committee  
International Society for  
Tropical Root Crops  
Centro Internacional de  
Agricultura Tropical, CIAT  
P.O. Box 67-13  
Cali, Colombia

Dear Mr. Cock:

As time grows closer, it seems that the opportunity for my participation in the Tropical Root Crops Symposium will not be possible. Since my role is relatively minor, I am sure you can find a replacement easily. Sorry to have not made this decision sooner.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 25, 1976

S. G. Appan  
16238 Millpoint  
Houston, TX 77059

Dear Appan:

Thanks for your letter of June 18. I am sending a data listing and maybe from that you can figure the descriptors. I will also look in the appendix of your thesis to decide if that is the necessary information.

Glad to hear of your formal events and activities. I will show your letter to Gil.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

Cam

June 25, 1976

Dr. Lowell S. Hardin  
Ford Foundation  
320 East 43 Street  
New York, NY 10017

Dear Dr. Hardin:

Thank you for your kind letter of June 17 in reply to my request for information on the possibilities of fellowships for Ph.D. programs for foreign nationals.

You ask whether our contract with IBPGR might be amended for support for a specified number of trainees. There are several factors to be considered in such a direction. Perhaps the most significant one with respect to trainees is the fact that we have first to design a specific program which will take into account the varying levels of expertise required at different institutions around the globe. There are needs for practical courses of relatively short duration (one to three months) and medium term duration (one year). These types probably do not carry with them any formal degree, but the trainees would receive a "certificate" of completion. There are other cases where either a Master's or Ph.D. level program of education would be appropriate.

Another matter that we consider important is the need to bring nationals from developed countries (United Kingdom, Western Germany, and so forth), because the magnitude of the genetic resources problem is such that we should look to the time when several institutions of the developed world and definite institutions thereof should participate. At the moment, there seems not to be any one institution in the world where the pragmatics of data managements and systems approaches for agriculture is given; and we feel that we could provide such services given the appropriate support.

From the above, I believe it can be seen that our contract with the IBPGR would be stretched considerably (given the mission of IBPGR) to accomplish all of those types of training.

I had had one particular individual from the UK in mind when I initiated the first correspondence - an individual from the University of Birmingham where

June 25, 1976

an interesting program at the Master's level already exists. However, your letter stimulates me to consider the overall problem and try to build into context a program that I feel would be useful.

Thanks again for your kind letter. If you do not hear from me immediately here after, please understand that I am trying to do my homework on the development of such a program.

Sincerely yours,

David J. Rogers  
Director

DR:rs

UNIVERSITY OF COLORADO  
Taximetrics Laboratory  
Department E.P.O. Biology  
Boulder, Colorado 80302  
Phones: 492-6909  
492-8598

June 24, 1976

Dr. John D. Sullivan  
Deputy Administrator Special Programs  
Cooperative State Research Service  
United States Dept. of Agriculture  
Washington, DC 20250

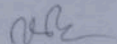
Dear Dr. Sullivan:

This is with reference to your letter dated June 3, 1976 addressed to Dr. D. J. Rogers.

The grant proposal was submitted to CSRS in the area of genetic vulnerability. However, in your letter you mentioned "the area of Forage, Pasture and Range." We wonder if the proposal was not selected for funding for the reason that it was wrongfully filed by your office.

In any case, we are curious to learn about the comments of the peer panel. We will appreciate it very much if you will please let us have those comments at your earliest convenience. Thank you.

Sincerely yours,



Kanti Rawal

KR:rs

bcc: ✓ Dr. David J. Rogers  
Mr. G. N. Hersh  
Dr. Rose M. Litman

June 22, 1976

Mr. James H. Cock  
Organizing Committee  
International Society for  
Tropical Root Crops  
Centro Internacional de  
Agricultura Tropical, CIAT  
P.O. Box 67-13  
Cali, Colombia

Dear Mr. Cock:

Please send me further instructions as Discussion Leader for the meeting. It is most unlikely that I will be able to stay for the entire symposium, and I would like to plan my travel accordingly. Thank you for your response on this matter.

Sincerely yours,

David J. Rogers  
Director

DR:

KJ

June 18, 1976

Sr. Antonio Costa Allen  
CENARGEN/EMBRAPA  
Cx. Postal-102372  
70.000 Brasilia, DF, Brazil

Dear Antonio:

Thank you for your kind letter of May 13. Since I have completely exhausted my supply of reprints of "A monograph of Manihot esculenta, I have had a copy made of the original which I am sending under separate cover. I am also sending my monograph of the genus and several other papers.

I shall be pleased to be informed of your very interesting work with both the wild species and with the cultigen Manihot esculenta.

Please give my best regards to Dr. Paez and your colleagues at CENARGEN.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 18, 1976

Dr. Pierre Legendre  
Centre de recherches ecologiques  
Universite de Quebec a Montreal  
CP 8888  
Montreal 101, Quebec

Dear Pierre:

I have arranged for two events during the CODATA meeting. One is a cocktail party here at the Taximetrics Laboratory at 6 o'clock Wednesday evening just after the symposium. Also I am arranging for a meeting on Thursday, July 1, at 9:30 am where we can have a review of developments and share ideas. Of course, Estabrook is very welcome. I am also inviting Rita Colwell if she cares to join us for the session.

Looking forward to seeing you and your wife again.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 16, 1976

BY POUCH

Mr. Robert Pichel  
Secretary  
AGPE, Crop Ecology and  
Genetic Resources Unit  
UN/FAO  
Rome, Italy

Dear Robert:

Thank you for your June 4 letter with the information about the Executive Committee's acceptance of the report by the Advisory Committee. We are, of course, pleased by the report itself, but are pondering how to accomplish all of the activities that the report recommended that be done.

With respect to the information on the Crop Advisory Committees, I would recommend to you that our contract calls for our work with those committees. And while I appreciate your reasoning with respect to my not wanting to be represented at the Wheat Committee, I believe the work is of sufficient importance that we have a representative there. We have attempted to get working arrangements with Mr. Lothar Seidewitz, such that in some aspects of the work he could indeed be thought to represent the GR CIDS functions. However, before he does become such a representative, it would be necessary for him to have participated more with us than he has so far had the opportunity to do. Therefore, at least for the first meeting of the Crop Committee, we believe it imperative that a member of our team from Colorado be there. Again, please refer to our present contract, and this will indicate to you the importance of our being there.

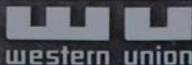
Speaking of the Advisory Committee's report, which put heavy priority on transfer of the system, what are the present opportunities of transfer to FAO? Please let me know what the present situation is, so that there might be a chance for discussion thereof.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. G. N. Hersh



# Telegram

NO. WDS. - CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM
		NIGHT LETTER	1601-72	UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM

Send the following message, subject to the terms on back hereof, which are hereby agreed to

June 16, 1976

TO	CINATROP, James H. Cock	CARE OF OR APT. NO.
STREET & NO.	(Cali, Colombia - CIAT)	TELEPHONE
CITY & STATE		ZIP CODE

Accept your change in plans. Am pleased to be a discussion leader.

signed: Rogers

rs

Operator # 194

Date/Time

Confirmation

6/16/76 10:15

yes

SENDER'S TEL. NO.

NAME & ADDRESS

June 15, 1976

Dr. Gilberto Paez  
Dept. of Quantitative Methodology  
EMBRAPA  
Palacio do Desenvolvimento  
Brasilia, DF (70000), Brazil

Dear Gilberto:

Following our telephone conversation yesterday with respect to the two people you would like to send up, I understand all financial obligations and support are to be met through EMBRAPA.

For us, it is a relatively recent idea to have people come for training. And so, we will have to treat these two individuals on what one might say is an experimental basis. I would be pleased, therefore, if you would share with me your ideas about the needs that these two individuals might have during their stay with us. Are they, for example, to be given the users' orientation to EXIR (and perhaps EXIS); or are they to be given more of the training in programmers aspects of EXIR? This kind of consideration is necessary so that we will know with whom they are to mostly work in this Laboratory.

If possible, I should also like to have a short summary of their educational and training backgrounds, which will again help in deciding the level of training they should receive.

As I said earlier, you should tell the two people coming that we will have to treat them on an experimental basis, because we have not worked out any specified program. And they should be aware that they will have to help us in the design of a good training program. This way we learn something while teaching them something. I hope you will agree to this process.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. G. N. Hersh

R.H.

Taximetrics Laboratory

1229 University Avenue  
University of Colorado  
Boulder, Colorado 80308

Telephone: (303) 492-5056  
492-8598  
Cable: GENRESYS Boulder

June 11, 1976

Richard H. Demuth  
c/o Surrey, Karasik and Morse  
1156 15th St., NW  
Washington, D. C. 20005

Dear Dick:

In response to your letter of June 4, concerning the work Dr. Brown wants the Taximetrics Laboratory to do for the Maize Committee, this is all within the framework of our contract. It is specified in the contract, and budgeted, so it poses no problem.

You asked about the paragraph of Dr. Brown on the "continual process for descriptive inventory." This matter was identified by the committee at its meeting in CIMMYT, and tabled until their next meeting, which is to be in November, as I understand it. The reason for tabling this matter was that members of the committee wanted the benefit of our report on the variations of data recording and descriptors that we will identify for them, and from that report, be in a better position to deal with the continuing problem on a more rational basis. In a sense, continuation will have to be on an experimental basis for some time, since there is no solution to the problem at the moment. Only by trying various means of accomplishing the task will there be any sort of reasonable solution to the problem. There are answers one could give now, but these are really only guesses, and would not be backed by any supportive facts. I would rather take this approach, because I know of no ideal solution now. Answers can only be derived, as we have mentioned, by close cooperation between members of the maize committee and us, and those centers where the work will be done.

Sorry I don't have "the" solution, but it will come. I am impatient to get one, but have to wait until the various experiments have been made, and good alternatives proposed. I hope we can continue this type of discussion with the advisory committee, which meets here next January.

Sincerely,

David J. Rogers

DJR:jkb



Date

Taximetrics Laboratory

1229 University Avenue  
University of Colorado  
Boulder, Colorado 80309

Telephone: (303) 492-5056  
492-8598  
Cable: GENRESYS Boulder

June 10, 1976

Prof. Claude MacMillan  
College of Business  
Campus Mail

Dear Prof. MacMillan:

Prof. Rogers asked that I send you the enclosed announcement of a seminar I'm offering for the fall semester.

The seminar is offered under EPOB and is thus labelled "biometrics". It's main theme, though, is linear models in general, and how all the analyses are really special cases of two or three ideas. The hope is to prepare people to select the appropriate model and analysis for a reasonably broad class of problems.

If you feel any students in business would benefit from it, I'd be happy to have them, subject to the limit of roughly 20 students. Whatever kind of arrangements (course numbers, etc.) for cross-registration are appropriate will be fine with me.

Sincerely,

Peter Bryant

Enc.

cc: D.J. Rogers

PB/sh



Lima

June 10, 1976

Dr. Stanford Sleeth, Chief  
Center Support Communications  
The International Potato Center  
Apartado 5969  
Lima, Peru

Dear Dr. Sleeth:

Thank you kindly for having sent the slides of potatoes that I requested. They will be very useful, indeed, in my general course on Plants and Man.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 10, 1976

Dr. Gilbert F. White  
Director  
Institute of Behavioral Science  
University of Colorado  
Boulder, CO 80309

Dear Gilbert:

Thank you for your invitation for a two year appointment to the IBS professional staff. I am honored and pleased by this invitation, and therefore accept with pleasure.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 8, 1976

Dr. S. G. Appan  
GURC  
1611 Tremont Street  
Galveston, TX 77550

Dear Appan:

We have just been trying to clear up all our old data in the house, and we have run across data cards that have the label data for Manihot specimens on them. Unfortunately, I have lost the descriptor<sup>list</sup> we used. Could you possibly recall whether you have the descriptor list or not? If so, I would appreciate a copy.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

Dr. Rita R. Colwell  
CODATA Session Chairperson  
Professor of Microbiology  
Department of Microbiology  
University of Maryland  
College Park, MD 20742

Dear Dr. Colwell:

Sometime during the CODATA meeting we would like to give a cocktail party at the Taxometrics Laboratory, 1229 University Avenue. We should like to invite the members of the Biological Data Session of the conference.

Can you suggest a good day (or evening) and time for such an event, if there is time for it? Thanks.

Sincerely yours,

David J. Rogers  
Director

rs

June 7, 1976

Ford Foundation  
320 East 43 Street  
New York, NY 10017

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

The Taximetrics Laboratory at the University of Colorado has a large contract from the international agricultural community. Specifically this is from the International Board of Plant Genetic Resources, which is a part of the Consultative Group for International Research. Under terms of our contract, we are to develop a system for the communication of information and data in a global network. The work is interdisciplinary, requiring the services of well-trained biologist/agriculturalists, information specialists, computer specialists and systems analysts.

It has become apparent during the course of our development, that there are very few individuals trained across those interdisciplinary lines who can serve the purposes of the global community. Therefore, I feel very strongly that a new program of education and training is required. Because we do serve the international community, we need to be able to support students from abroad in order to develop expertise as quickly as possible.

I realize that the above is a very short and incomplete description of our activities and needs, but I trust that it indicates the value and importance of our work. If this information does not fulfill your needs for forwarding this information to us, I shall be glad to supply you with more formative details. In the meantime, I would be pleased if you could send the necessary information and application forms, provided that your organization supports post doctoral fellowships in the above areas. However, if the above does not fall within your field of interest, could you please suggest some other organization that may be interested. Thank you.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

Institute of International Education  
809 United Nations Plaza  
New York, NY 10017

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

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Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

W. K. Kellog Foundation  
400 North Avenue  
Battle Creek, MI 49016

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms,

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Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

National Science Foundation  
Div. of Graduate Education in Science  
Advanced Science Education Program  
Washington, DC 20550

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

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q

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

Resources for the Future  
1755 Massachusetts Ave., NW  
Washington, DC 20036

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

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Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

Rockefeller Foundation  
Conquest of Hunger Program  
111 West 50 Street  
New York, NY 10020

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

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Sincerely yours,

David J. Rogers  
Director

DR:rs

June 7, 1976

Social Science Research Counsel  
Fellowships and Grants  
605 Third Avenue  
New York, NY 10016

Gentlemen:

I am searching for assistance to finance doctoral program candidates from various countries, some developed and some under-developed. I would be pleased to know if support for Ph.D. candidates in the following type of graduate program has the opportunity of being funded through your good office; and if so, to ask for the appropriate brochures and application forms.

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Sincerely yours,

David J. Rogers  
Director

DR:rs

TO Pete  
FROM Dave  
SUBJECT Other European contacts  
for Kozak -  
DATE 6/7/76

UNIVERSITY OF COLORADO  
*Interdepartmental  
Memorandum*

Kozak would no doubt be interested in the Inst. Gemoplasma (an Italian national institute) at Bari, Italy. The Director there is Dr. Enrico Porceddu (we have full address). That inst. uses a 370/155 (8?), and I left a tape with them (EXIR) last Dec. - There is also an IBM Sci. Center there - interested in relational data bases -

TO Gil, Jay, Jim H., Mark, Pete, Lois  
FROM Dave *DK*  
SUBJECT Visit of Pierre Legendre and other  
matters associated with the CODATA meeting  
DATE June 4, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

Pierre has written to ask if we could meet informally sometime during the CODATA meeting (June 28 - July 1) so that he could tell us of his system development for ecologists; and he would at the same time get a summary of our activities and system development.

As you know, Pierre has done some excellent and interesting work, and we could all profit from his experiences.

I would like for us to have a cocktail party inviting members of the Biological Data Session of the CODATA meeting who could visit with us informally at the Tax Lab during the CODATA meeting (best time to be determined).

rs

June 4, 1976

Dr. William B. Brogden  
Marine Science Institute  
at Port Aransas  
The University of Texas  
Port Aransas, TX 78373

Dear Bill:

Thanks for your letter of May 18. I have not yet had a letter from Brian Mar, but will respond when he does write.

With respect to your question about reprints from the Taximetrics Laboratory on computer aides to taxonomy, there are two that you probably already have from GURC. These two are the User's Manual for GRAPH Clustering Methods, and CHARANAL. I know that Henry Fleming had many copies of those two made up, and he should have distributed them. If for some reason you do not have these, write to me and I will send these (though my supply is very limited). Aside from these two, I may have a couple or three things that I still have available. These I hope will help.

I am glad you guys are seeing the light that taxonomy is the most fundamental discipline.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures 9

June 4, 1976

Dr. Thin-Meiw Choo  
Dept. of Crop Science  
University of Guelph  
Guelph, Ontario  
Canada N1G 2W1

Dear Dr. Choo:

Thank you for your inquiry of May 25 concerning the announced position as Coordinator, Genetic Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust that it will be only temporary, and we will keep your vita and application on file.

Sincerely yours,

David J. Rogers  
Director

rs

bcc: Dr. Kanti Rawal

June 4, 1976

Dr. Patrick J. Gibbins  
User Support  
University of London  
Computer Centre  
20 Guilford Street  
London WC1  
England

Dear Dr. Gibbins:

A colleague of mine, Dr. Claude McMillan, has forwarded to me your request for a copy of the STIRS system. In as much as all such requests for that program are forwarded to me, I am taking the liberty of responding for him.

STIRS is but one version of a system initially designated TAXIR. It may be the case that you already have a TAXIR version (including the quality of STIRS) running on your system now. The best means to determine if this is true is to contact Dr. Frank Bisby at the University of South Hampton, Department of Botany, to whom I sent TAXIR about two years ago. I am not certain that Dr. Bisby (whom I understand uses your computer center via remote terminals) has indeed mounted *it on* your system, but please check with him to determine the fate of TAXIR there.

If the system is not up and running, we will attempt to supply the necessary tape and documentation from here. I would be pleased to continue correspondence with you concerning the value and applications, as we are interested in the development of the system for many applications, one of which is museum cataloging.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Dr. C. McMillan

June 4, 1976

Prof. Jack Hawkes  
Department of Botany  
University of Birmingham  
P.O. Box 363  
Birmingham B152TT  
England

Dear Jack:

I have not forgotten our conversations in respect to subvention of costs for a Ph.D. student here. Unfortunately, I thought that I could get funding directly from IBM, but such is not the case; and I am now writing to several agencies in this country that might be willing to subvent training to the Ph.D. level.

In my search for interested agencies, I have encountered two that I suspect you are aware of: (1) the Muffield Foundation in London; and (2) the Adre Mayer FAO Research Fellowship, which one applies for through your national FAO committee. Perhaps neither of those will be willing to support a graduate student for three years (approximately), but it might be worthwhile giving them a try.

In the meantime, if you could tell me the names of prospective candidates with some background information, this might be helpful. Needless to say, I am inundated with requests for graduate students and needs to support them.

Sorry not to have anything positive yet, but this does indicate my interests in this direction. Incidentally, I have not seen the final copy of the recommendations that were made at the CIP conference; but I have seen the draft. I think that that was a very profitable meeting, and hope that you feel the same.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Dr. G. S. Kozak, IBM

bcc: Dr. P. Bryant

Just after writing this letter, we received, unexpectedly, a letter from Dr. Gary S. Kozak, Science and Contribution Programs Director, IBM Europe,

June 4, 1976

8-10, Cite du Retiro 75008 Paris, France; telephone number 266-33-11; telex 29958.

Dr. Kozak was inquiring about what opportunities there were for IBM Europe to participate in the development of food and agriculturally oriented sciences. It seems that his position in IBM is one that assists scientists in one way or other, and it could very likely be that subvention of your student could be arranged through him.

*I believe that a visiting IBM staff member here has written to Dr. Kozak to suggest that he*  
I have, as a matter of fact, suggested to Dr. Kozak that he should contact *contact*  
~~you~~ and hopefully explain his efforts, desires, and capabilities. I have no *you,*  
doubt that he would like to hear about the various efforts in which you partici-  
pate. One which I think would be interesting to him would be your M.S. course,  
its objectives, etc, and your need for more staff to support that course. So I  
trust that Dr. Kozak will be in touch with you fairly soon.

June 4, 1976

Dr. Pierre Legendre  
Universite du Quebec a Montreal  
Case Postale 8888  
Montreal, Quebec  
Canada H3C 3P8

Dear Pierre:

It will be nice to see you at the end of this month. And it will certainly be profitable for us to review with you the package of computer programs you are assembling, and to tell you something about our activities. Let me know when it is confirmed once you have your scheduled time.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 4, 1976

Mr. C. M. McIntosh, Program Manager  
Academic & Scientific Relations  
IBM World Trade Americas/Far East Corp.  
Town of Mt. Pleasant, Route 9  
North Tarrytown, NY 10591

Dear Mr. McIntosh:

In response to your letter of May 26, I have the following comments.

1. The title that I would like to have for the presentation in Japan is "Genetic Resources Communication Information and Documentation System." I can understand some of the confusion in Mr. Adachi's mind with respect to earlier publications sent. Should I write to Mr. Adachi and give him some further explanation of the title here proposed?

2. I will have a completed manuscript by October 10.

3. The countries that I should like to visit while on my trip are, of course, Japan (with a few days for tourism); Taiwan - to the Asian Vegetable Research & Development Center, AVRDC (for about three days); Manila - the International Rice Research Institute, IRRI (for a week); and on the way home a stop in Hawaii to visit the East-West Center at the University of Hawaii (for several days).

I think this covers all the points in your letter. If not, give me a call.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 4, 1976

BY POUCH

Mr. J. Trevor Williams  
UH/FAO  
Rome, Italy

Dear Trevor:

Thanks kindly for having sent a copy of your paper on A revision of Beta section Vulgares. It will make a fine addition to our systematic economic botany collection. I noted that you used a principle components analysis. Have you described the methods employed there in some other publication? If so, I would like documentation about it.

I have just received the revised report of the Advisory Committee, and I find it a very fine document. There are still one or two misunderstandings by Hugh concerning appropriate computer language, but these are minor and cause no harm.

Sincerely yours,

David J. Rogers  
Director

DR:rs

June 2, 1976

Ms. Maria Jose de Melo e Aguilas  
Instituto Nacional De Pesquisas  
Da Amazonia  
Caixa Postal 478  
Manaus, Amazonas  
Brazil

Dear Ms. Aguilas:

Thank you for your inquiry, but I am sorry to say that my supply of the reprints that you requested has been exhausted.

Sincerely yours,

David J. Rogers  
Director

rs

Liz Owen, Dave Norris

Dave Rogers, Taximetrics Laboratory

Dr. P. Bryant's fall seminar

(attached description)

May 20, 1976

Does the enclosed description fit the needs for this purpose? Please let me know if it is alright. Then I will send out a flyer announcing it to the faculty and students.

rs

All EPOB Faculty,  
J. D. Ives, Director, INSTAAR  
TO G. E. McClearn, Director, IBG

FROM Dave Rogers

SUBJECT Seminar in Biometrics

DATE May 28, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

Would you please call this seminar to the attention of those students who would most profit from this subject.

Thanks.

rs

SEMINAR IN BIOMETRICS

FALL, 1976

LINEAR MODELS IN BIOMETRICS  
(2 credits)

Most "standard" statistics is based on a linear model for the data. We will study in this seminar the linear models most useful for biological applications. Means, variances, correlations, regression, and analysis of variance will be considered as special cases of a linear model. Examples will be taken mainly from the biological and agricultural areas.

By stressing the underlying unity of these methods, we shall try to understand how different methods relate to each other, and how and where they do and do not apply. This is not a course in running packaged statistical programs. Rather it is aimed at preparing students to make an intelligent choice of which such program (if any) to run, based on a good understanding and a clear formulation of the problem.

Students will prepare and present to the seminar a project demonstrating understanding of some aspect of linear models.

Prerequisites: There are no specific prerequisites other than high school mathematics and an honest desire to learn how statistical methods can be applied in biology. Previous exposure to statistics, probability, or linear algebra will undoubtedly be helpful, but is not required. Calculus will not be used.

Graduate students should enroll in EPOB 633.

Advanced undergraduates may enroll in EPOB 499 (Independent Study).

The class will meet twice a week. The first class meeting will be at 4:00 on Tuesday, September 7, 1976 in Hale Hall, room 302. The purpose of this first meeting will be to determine the best hours for meeting.

The enrollment will be limited to 20 students.

Instructor: Dr. Peter Bryant, Taximetrics Laboratory (x5056)

May 28, 1976

Mr. Trevor Sykes  
Via Odoardo Beccari 14/1  
00154 Rome  
Italy

Dear Trevor:

Thank you for your long and informative letter of May 9 (it arrived just two days ago). By now you will know at least something about what the Executive Committee is doing or intends to do even though you may not have the full description of what their eventual decision may be.

I await an invitation from the coconut group, and hope that they will be able to give me some advance warning to participate in the meeting in India.

With respect to the point you raised about joining <sup>ing</sup> us, I think it is quite clear that if the opportunity arises we would be very pleased if you could. However, it had always been our idea that FAO would continue to be interested in cooperation to the extent of some financial remuneration for your position here. I fear that such is not FAO's intention, and we are therefore in some kind of problem with respect to actually carrying out our desires in this connection.

There is another alternative that you may wish to consider in light of the opportunity you said that you now have, i.e. to become the Officer of the Seed Lab. As I understand the general attitude of the new Director General, he wishes for FAO to be more service oriented to the under-developed countries. If this is true, then I should think that the Seed Lab's function would be a viable and very central concern of FAO. It would seem reasonable to me, therefore, that Sauma would be favorably inclined to improve that service, and that it could be improved by employment of EXIR. It would further seem reasonable that FAO's regular budget funds could support a utility programmer position to support EXIR in its application to the seed exchange program. By such a route, you would have EXIR in-house, and the capability to use it and maintain it for some function that Sauma would applaud. I hope you find this suggestion interesting.

I don't know whether you have had a chance to see a copy of the Advisory Committee's report, but I am sure that Trevor Williams has a copy; and I hope that the Executive Committee has had a chance to review Prof. Bunting's report,

because it was very favorable to our approach, and one that we are pleased with. Believe me, it is a pleasure to have a group of men, who are as knowledgeable as they, give us the accolades they did in their report. Hopefully, this report will settle the criticisms that have been made by various people all around the world.

I do hope that the summer will not be too long and hot, and that you and Beryl manage to survive the heat. Connie joins me in sending Beryl our love.

Sincerely yours,

David J. Rogers  
Director

DR:rs

May 28, 1976

Dr. Syed H. Mohiuddin  
Oklahoma State University  
Department of Agronomy  
Stillwater, OK 74074

Dear Dr. Mohiuddin:

Thank you for your inquiry of May 24 concerning the announced position as Coordinator, Genetics Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust that it will be only temporary, and we will keep your vita and transcripts on file.

Sincerely yours,

David J. Rogers  
Director

rs

bcc: Dr. Kanti Rawal

May 28, 1976

Dr. J. A. Mortensen  
University of Florida  
Agricultural Research Center  
Leesburg, FL

Dear Dr. Mortensen:

I have just read a review of your paper in the May American Journal of Enology and Viticulture, indicating the need for germplasm reserves in grapes. The review by Dr. H. P. Olmo indicates that you have written on a subject of considerable concern to me. I would be pleased to receive a reprint of the paper published in the Fruit Var. J. 28:90-4 (1974), which is not immediately available to me.

I enclose two documents for your perusal. One is a proposal to the National Science Foundation for support of taxonomic studies of the genus Vitis. The other is a general brochure describing the Taximetrics Laboratory's participation in the work of genetic resources (germplasm conservation). The former document indicates my interests and desires in the wild and primitive cultivars of the Vitis species. While the NSF proposal has not yet been funded, I trust that it will be. And if it is, part of the work will be to make collections of wild species in the United States. I would be very pleased to collect propagating material of these species for interested viticultural centers. I look forward to further correspondence with you on this subject.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures 2

May 27, 1976

Mr. George F. Estabrook  
Research Scientist  
Department of Botany  
Natural Science Building  
The University of Michigan  
Ann Arbor, MI 48109

Dear George:

Thank you for your very interesting letter of May 12. I will only comment now on a couple of things that you asked specific questions on. The first is the availability of EXIR. It is our stated policy that EXIR is in the public domain; and therefore, free to any individual who may wish to use it. The only requirements are that we may be paid for the cost of the tapes, transmission, and service charges. In this connection, if some commercial organization gets the system and decides to market it, then we have no control; and they are welcome to do so. As a matter of fact, this would be very helpful, because marketing involves maintenance, documentation and so forth, which we do not care to provide. If a scientist wishes to use the system, we merely ask that he give the usual credit as would be done for any scientific paper that he might cite in his published articles. In addition, we hope that any scientist who gets the program would be willing to share with us his concepts so that we may incorporate new ideas that may be valuable additions.

The second question you asked is whether Tom Duncan, now at Berkley, could get a copy. The answer is yes, if you write and tell him that he can receive tapes by merely paying for the tapes and service charge to get them there. You might also tell him that it would be helpful to describe his operating system, so that we could determine which of our versions would best fit his needs. In Duncan's case, I would like to have a description of his use of the system, because he may have some ideas that may be useful to us.

I will certainly be happy to have an announcement of your book which you say is on its way to publication.

I would be very please to see you while on your trip through Boulder on July 1 and 2. Let me know the details of your travel.

Sincerely yours,

David J. Rogers

DR:rs



KRM

May 27, 1976

Mr. K. Kumagi  
Seed Preservation Laboratory  
National Institute of  
Agricultural Sciences  
Hiratsuka City  
Kanagawa Prefecture  
Japan

Dear Mr. Kumagi:

I have recently heard indirectly of your interest in our computer based information, storage and retrieval system, EKIR. However, since I have not heard directly from you in respect to this interest, I am writing to inquire if you would be interested to receive a copy of the program on tape from us. If you are, I can easily arrange for one to be sent to you for your investigations and perhaps application.

As you are already aware, the Taximetrics Laboratory has a contract from the International Board of Plant Genetic Resources to develop a genetic resources communication, information and documentation system (GR/CIDS). I enclose a brochure of general information on the program.

Because of the enormity of the task of data management for genetic resources, the full cooperation of all interested genetic resources scientists is required for the successful development of an international system. We in the Taximetrics Laboratory will be pleased to cooperate with you and other genetic resources scientists in Japan in any way you find useful.

I look forward in the near future to receiving a letter indicating your interests.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

cc: Mr. R. Demuth  
Mr. R. Pichel  
Dr. P. Bryant

May 27, 1976

Dr. H. P. Olmo  
Dept. of Viticulture  
University of California  
at Davis  
Davis, CA 95616

Dear Dr. Olmo:

I enclose for your interest a copy of a proposal that I have made to the National Science Foundation for the purpose of studying the taxonomy of the genus Vitis, specifically the North American species. I would be pleased if you have any comments to make on this proposal which has not yet been funded. Thank you for your interest.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

May 25, 1976

Dr. Earl E. Watt  
Plant Breeder  
International Institute of  
Tropical Agriculture  
Oyo Road, P.M.B. 5320  
Ibadan, Nigeria

Dear Earl:

Thank you kindly for your inquiry concerning the announced position at our Laboratory as Coordinator, Genetics Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita on file.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Dr. Kanti Rawal

RJA

May 24, 1976

Dr. F. A. Bisby  
Dept. of Biology  
Building 44  
The University  
Southampton SO9 5NH  
England

Dear Frank:

Thank you for your letter of April 15. The end of the semester caught me with too much to do to respond earlier.

With respect to your proposed visits, it is very likely that we will have to have more than one period together. But let us arrange that after we have had a one month session. I would suggest that you plan the second alternative mentioned in your letter, i.e. March 23, 1977 to April 23, 1977. I trust that this is agreeable to you.

In the meantime, I will proceed to uncover the necessary financial resources to accommodate your travel arrangements. I assume at the moment that we will be successful and we should not have to worry that we will or will not have those funds available. However, obviously during these times of financial restrictions we must also be prepared that that which we need may not be forthcoming. Sorry to have to put it on these terms, but c'est la vie.

If the above travel is agreeable to you, please let me know and then we will establish some sort of working procedure.

Sincerely yours,

David J. Rogers  
Director

DR:rs

May 24, 1976

Professor Perry Gustafson  
Dept. of Plant Science  
The University of Manitoba  
Winnipeg, Manitoba  
Canada R3T 2N2

Dear Prof. Gustafson:

Thank you kindly for your inquiry of May 3 concerning the announced position as Coordinator, Genetics Resources Network Development Program.

Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita on file.

Sincerely yours,

David J. Rogers  
Director

DR:rs

bcc: Dr. Kanti Rawal

May 24, 1976

Dr. Sheldon L. Ladd  
Associate Plant Breeder  
Dept. of Genetics & Pathology  
Hawaiian Sugar Planters' Association  
P.O. Box 1057  
Aiea, HI 96701

Dear Dr. Ladd:

Thank you kindly for your inquiry of April 30 concerning the announced position as Coordinator, Genetics Resources Network Development Program.

Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita on file.

Sincerely yours,

David J. Rogers

DR:rs

bcc: Dr. Kanti Rawal

May 24, 1976

Mr. James M. Rubenstein  
College of Agriculture  
Department of Agronomy  
204 Curtis Hall  
University of Missouri-Columbia  
Columbia, MO 65201

Dear Mr. Rubenstein:

Thank you kindly for your inquiry concerning the announced position as Coordinator, Genetics Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita and application on file.

Sincerely yours,

David J. Rogers  
Director

DR:rs

bcc: Dr. Kanti Rawal

May 24, 1976

Mr. Rajendar K. Sharma  
Department of Genetics  
The Ohio State University  
1735 Neil Avenue  
Columbus, OH 43210

Dear Mr. Sharma:

Thank you kindly for your inquiry concerning the announced position as Coordinator, Genetics Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita and application on file.

Sincerely yours,

David J. Rogers  
Director

DR:re

bcc: Dr. Kanti Rawal

May 24, 1976

Mr. H. W. Suh  
Department of Agronomy  
Waters Hall  
Kansas State University  
Manhattan, KS 66506

Dear Mr. Suh:

Thank you kindly for your inquiry concerning the announced position as Coordinator, Genetics Resources Network Development Program. Unfortunately, due to financial exigencies we are having to suspend this position at present. I trust it will be only temporary, and we will keep your vita and application on file.

Sincerely yours,

David J. Rogers  
Director

DR:rs

bcc: Dr. Kanti Rawal

MEMO

TO: John T. Schwartz, Director, Colorado Associated University Press  
FROM: David J. Rogers, Director, Taximetrics Laboratory, 1229 University Ave.  
DATE: May 24, 1976  
cc: G. N. Hersh, B. Sim (Taximetrics Laboratory)

Although it looks like the Manihot paper is essentially dead, I wonder if you have the ability to authorize the use of that money to publish a manual that explains to users how our information storage and retrieval system works.

If you have the capabilities of such authorization, then we probably have a publication that will get off the ground a lot sooner. Let me know about it, and I will then discuss with you the details of our proposed manual.

Case

UNIVERSITY OF COLORADO  
Taximetrics Laboratory  
Department E.P.O. Biology  
Boulder, Colorado 80302  
Phones: 492-6909  
492-8598

May 19, 1976

Professor David O. Norris  
Associate Chairman  
EPO Biology  
Ramaley Biology  
University of Colorado  
Boulder, CO 80309

Dear Prof. Norris:

As part of my duties in EPOB, it is my understanding that I should offer a seminar this fall. I have consulted with Professors Grant, Mitton, Rogers, and several students. I have concluded that the most useful seminar I could offer would be one along the lines described in the attached outline. It would be an attempt to unify in people's minds the ideas they may have already seen. It could also serve to prepare them for other topics - multivariate analyses, nonparametric methods and others.

I submit this for your approval and/or suggestions. Should I type it up in some particular form? How many credits should be offered? I have written it up as though it were about two hours per week. A three hour schedule would also be possible, including some more topics, chosen to reflect people's interests.

I would be happy to discuss any aspect of this proposal with you. My extension is 5056.

Yours sincerely,

Peter Bryant

PB:rs

Enclosure

cc: Dr. D. W. Crumacker  
Dr. D. J. Rogers

EPOB xxx : SEMINAR IN BIOMETRICS

Linear Models

Most "standard" statistics is based on a linear model for the data. We will study in this seminar the linear models most useful for biological applications. Means, variances, correlations, regression, and analysis of variance will be considered as special cases of a linear model. Examples will be taken mainly from the biological and agricultural areas.

By stressing the underlying unity of these methods, we shall try to understand how different methods relate to each other, and how and where they do and don't apply. This is not a course in running packaged statistical programs. Rather it is aimed at preparing students to make an intelligent choice of which such program (if any) to run, based on a good understanding and a clear formulation of the problem.

Students will prepare and present to the seminar a project demonstrating understanding of some aspect of linear models.

Prerequisites: High school mathematics. Previous exposure to statistics, probability, or linear algebra will undoubtedly be helpful, but is not required. Calculus will not be used. Graduate standing not required.

Rough Outline

Algebra and Geometry Background	3 hours
Linear Models in general	1 hour
Means and Variances	2 hours
Correlation	2 hours
Regression	4 hours
Analysis of Variance	4 hours
Basic Computing Techniques	2 hours
Basic Probability	2 hours
Class presentations and/or other topics	6 hours

TO Prof. Robert A. Christopher  
FROM Rita Sellers, Secretary to Dr.D.J.Rogers  
Taximetrics Laboratory, 1229 Univ. Ave.  
x5056  
SUBJECT Admission: Attached letter from  
C.W. Salhuana  
DATE May 17, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

As per our conversation last week, attached is a copy of the letter we received from Mr. Salhuana, who is the son of a business associate. I have sent him both an application for admission as a foreign student and US citizen, and the pamphlet "Information for Prospective Students From Other Countries." Any other information you could forward to him would be most appreciated.

Thank you.

rs

May 11, 1976

Miss Sally F. Gesmundo  
International Rice Testing  
Program Department  
The International Rice  
Research Institute  
P.O. Box 933  
Manila, Philippines

Dear Miss Gesmundo:

Enclosed is a description of the University of Colorado's Computer  
Science Master's Program, an application form, and a list of awards.

I hope this information is helpful.

Sincerely yours,

David J. Rogers  
Director

rs

Enclosures 3

May 11, 1976

Mr. Celin W. Salhuana  
Coronel Inclan 986  
Miraglores - Lima  
Peru

Dear Mr. Salhuana:

Enclosed is some of the information you requested.

I have talked to Professor Robert A. Christopher, Undergraduate Advisor at the School of Mechanical Engineering (Engineering Office Towers 4-6, University of Colorado, Boulder, CO 80309). I have sent him a copy of your letter, and he should soon be in contact with you.

I hope I have been of some help.

Sincerely yours,

David J. Rogers  
Director

rs

Enclosures 3

Taximetric Laboratory

1228 University Avenue  
University of Colorado  
Boulder, Colorado 80308

Telephone (303) 492-5058  
492-8598  
Cable GENRECVS Boulder

May 10, 1976

The Linnean Society of London  
Attention Executive Secretary  
Burlington House  
Piccadilly, London, W.1

Gentlemen:

Enclosed is a check for 14 pounds to cover my Annual  
Contribution.

Sincerely yours,

David J. Rogers  
Director

Enclosure

ISSUED BY:

FIRST NATIONAL BANK IN BOULDER

⑈ 97775

AGAINST THIS CHECK PLEASE PAY  
BY DEPOSITING CHECK

P.O. BOX 89  
BOULDER, COLORADO 80502

DATE May 10, 1976

AMOUNT  
\$ 14.00  
FIRST NATIONAL BANK IN B. CO. 80502

TO THE  
ORDER  
OF

The Linnean Society of London

FOR

14 Pounds and No/100 Pounds Sterling

IN FULL OF THE SUM OF 14 POUNDS AND NO/100 POUNDS STERLING

PAID TO  
THE

Chase Manhattan Bank, NA.  
65 King William St.  
E.C. London WC2A  
ENGLAND

*David J. Rogers*

# The Linnean Society of London

Burlington House,  
Piccadilly, London, W.1

## Annual Contributions

At the General Meeting held on 19 February 1976, the amendments to the Bye-Laws increasing Annual Contributions were duly passed.

Annual Contributions due on 24 May 1976 are therefore:-

U.K. Fellows	£16
Overseas Fellows	£16
Associates	£ 9
Student Associates	£ 2

The need for these increases is regretted but Fellows are reminded that, provided the Annual Contribution is defrayed out of the emoluments of office or employment having relevance to the activities of the Society, the whole of the Annual Contribution is allowed as a deduction from such emoluments for Income Tax purposes.

Under present economic conditions it is inevitable that the rates of Annual Contribution will need to be altered more frequently than in the past. The familiar Bankers Standing Order for a fixed amount thus becomes unsuitable because Fellows would have to give new instructions to their Bankers each time the Annual Contribution was changed. Not a few fail to do so and this involves considerable expense and time in sending out reminders. (At present there are over 50 Fellows who, despite several reminders, have still failed to alter their Standing Orders since the Annual Contribution was last raised.) Council has, therefore, decided to adopt the "variable direct debit" system of collecting Annual Contributions.

Under this system (now being widely adopted by societies, clubs and other institutions in receipt of annual subscriptions) Fellows are asked to sign a form which acts as instructions to their Bankers to pay to the Society on 24 May each year the amount which the Society requests. The amount requested will be, of course, the sum due in respect of the Annual Contribution for the succeeding year. Thus the considerable amount of clerical work involved each time the Annual Contribution is altered will be greatly reduced and there will be no need for Fellows to amend the instructions they have given to their

Bankers.

The variable direct debit mandate is, of necessity, drawn in wide terms, but the Society gives the following assurances:-

1. Direct debits will be originated only in respect of the Annual Contribution due on 24 May each year.
2. No increase in the Annual Contribution can be made without a change in the Bye-Laws and no such change can be effective unless notice has been given to all Fellows and confirmed by not less than a two-thirds majority of those attending and voting at the appropriate General Meeting.
3. Fellows can cancel their direct debit mandates at any time by notifying their Bankers and advising the Society accordingly.

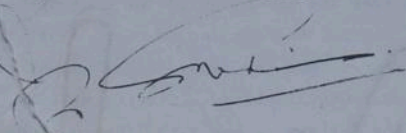
IT IS HOPED THAT ALL FELLOWS WITH A CURRENT BANK ACCOUNT IN THE BRITISH ISLES OR EIRE WILL ACCEPT THIS SYSTEM BY COMPLETING THE ENCLOSED FORM AND RETURNING IT TO THE EXECUTIVE SECRETARY IN THE ENVELOPE PROVIDED.

It will be appreciated from the above that the Society would prefer to abandon the fixed amount Standing Order as a method of payment of Annual Contributions, but Fellows who are not able or do not wish to adopt the direct debit system can, of course, pay their Annual Contribution by remittance directly to the Executive Secretary.

#### Journal Rebates

Fellows and Associates are reminded that with effect from 24 May 1976 they are entitled to a rebate of £1 per volume if, before that date, they notify the Executive Secretary that they do not wish to receive any of the journals to which they are entitled. Thus, if you do not wish to receive any journals, you will be entitled to a rebate of £3; if you wish to receive the Botanical Journal or the Zoological Journal, but not the Biological Journal, you will be entitled to a rebate of £1; whilst if you wish to receive only the Biological Journal you will be entitled to a rebate of £2. If notice is given to the Executive Secretary before 30 April 1976, these rebates can be deducted from the amount due in respect of Annual Contributions.

Fellows who have already notified the Executive Secretary that they do not wish to receive journals will, of course, now receive the rebate.

  
TREASURER.

May 7, 1976

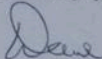
Mr. Charles Milford  
Librarian  
Stanford Food Research Institute  
Stanford University  
Stanford, CA 94305

Dear Mr. Milford:

This letter introduces Linda Schmatz-Weaver, who has been working in our Laboratory; and would be pleased to have the privilege of using the Stanford Food Research Institute Library. She will be in Stanford from May 17 through 21.

Thank you for accomodating her.

Sincerely yours,



David J. Rogers  
Director

DR:rs

May 6, 1976

Professor A. H. Bunting  
Department of Agricultural  
Development Overseas  
Reading University  
Reading, England  
RG6 2AS

Dear Hugh:

Returned herewith are the suggestions for modification to the draft. We have marked each page with a red check mark where recommendations are made.

There are a few additional comments that need to be made along with the check marks in the text. These are:

1. Paragraphs 8 and 9, pages 4 and 5. You will notice extensive re-writing here in these two pages. Perhaps it will now become more evident why we have had such difficulty in writing a succinct layman's description of our work.
2. Paragraph 31, page 16. - middle of the page, the word "procedures" in the sentence . . . they have given first priority to perfecting these procedures . . . . We wondered if you meant "programs" rather than procedures.
3. Paragraph 34, page 17. We believe this sentence as modified serves the purpose you require. To make the remaining portion of that sentence understandable in layman's terms would take a very much longer technical discussion.
4. Paragraph 43, page 23. We believe there needs to be a re-write of this paragraph (and the title), because we recall at the meeting that Dick Demuth's first requirement was for a general description of overall GR/CIDS functions; and following that, there needs to be a users' description of EXIR.

In the event that you need them, we are enclosing two items that you mentioned in the Appendices of the draft.

Let me say that your report is excellent, and I am very pleased with it. Thank you for your many efforts.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures 3

Although we know that you may have a list of TAXIR/EXIR users, we are sending this revised copy to you in which we have classified the users into two groups. One group is comprised of users with TAXIR/EXIR programs running on their computers. The second group consists of individuals who have used or are familiar with the EXIR system through the Taximetrics Laboratory.

Rat

May 5, 1976

Mr. Richard H. Demuth  
c/o Surrey, Karasik and Morse  
1156 15th Street, NW  
Washington, DC 20005

Dear Dick:

Following our conversation yesterday afternoon, I am enclosing for your information the memo written by Gil to me concerning the FAO contract.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

TO: Dave  
FROM: Gil  
RE: FAO and 1977 Contract  
DATE: 19 April 1976

As I mentioned to you, at the IBPGR meeting there was no resolution to the problem of the FAO share of funds (\$67,000) requested by us for the 1977 contract.

The matter was brought to the attention of the Board by Mr. Demuth based on his discussion with Dr. Bunting. I had approached Dr. Bunting and after received a written reply from Pichel, approved by Albani about the probable FAO share of funds. In effect, Pichel said that there were not sufficient funds in the division budget to cover the proposed 1977 share.

Initially an indication of the likelihood of no funds came from Vic Basille. Quite unofficially, he told me that there had been a complete budget revision since the new Director General had assumed office. The work of the Crop Ecology and Genetic Resources unit had received exceptionally low priority in the new budget. The funding level for all divisions and projects would continue at the 1974-75 rate without increase; and probably without decrease regardless of future implied commitment. It is unfortunate that neither Pichel nor Albani had bothered to inform us of this change; but the FAO was in the throes of another major change and everyone was in an utter state of shock and the entire situation was chaotic in the extreme. I had attempted to approach Albani about the problem prior to the opening of the meeting. He refused to see me, telling his secretary to tell me to take it up with Pichel.

This I did, as in the written note mentioned above.

At the meeting, Bommer intervened on the behalf of FAO, and thus assisting Albani who was quite upset. Bommer indicated that the matter would be reviewed as the situation in FAO cleared.

The latest information we have from FAO is quite unofficial, but suggests that Albani cannot (will not?) make the requested funds available. He will use this argument:

- (1) all funding levels for 1976/77 are based on 1974/75 levels of budget and/or actual expenditure
- (2) since only \$56,000 was spent on GR/CIDS in 1974/75 the 1976 commitment of \$\_\_\_\_\_ to GR/CIDS consumes all of the funds available for the 1976/77 period; therefore, there are not funds for 1977.

Memo to Dave  
 19 April 1976  
 Page 2

On the surface this argument appears correct and of course is subject to exact technical budget arrangements. In fact, the following funds were expended by FAO in the 1974/75 period for the GR/CIDS work.

<u>Class and Purpose</u>	<u>1974</u>	<u>1975</u>
1 Jan - 20 May D.J. Rogers consultancy on documentation to AGPE		
Den-Rome-Den    Travel & Support	5,500	
140 days        Consult	1,500	
1 May - 30 Sept. Consult - Doc. G. N. Hersh		
Travel - Rome	2,000	
Colo	500	
Consult.	9,000	
J. R. Hanley		
Travel - Rome	2,000	
Turkey	500	
Consult	9,000	
Contract: Oct - March proportional	29,000	28,000
D.J. Rogers - In Colorado Salary		
June 1974 - Dec 1974	18,500	
Travel	2,500	
Jan 1975 - Dec 1975		37,000
Various Travel (approx.)		5,000
J. R. Hanley		
1 March - 31 Dec. 1975		19,000
<hr/>		
Summary		
Contract and Consulting (including Travel)	72,500	47,000
Total 1974/75 . . . . .	\$119,500	
<hr/>		
Staff Salary D. J. Rogers (includes Travel)	21,000	42,000
Total 1974/75 . . . . .	\$ 63,000	

Memo to Dave  
19 April 1976  
Page 3

The request for FAO support for 1977 is \$67,000 as part of the Joint Contract.

Please note:

- (a) if this commitment for 1977 is made then the amount committed to the GR documentation work from FAO would be \$124,000.
- (b) this should be contrasted with the amount provided by FAO in contract and consultant funds for work on GR documentation in 1974/75 of \$119,500.
- (c) FAO also provided the full salary and support costs for Dave Rogers from June 1974 through December 1975 at the University of Colorado. This, for 1974/75 has an approximate value of \$63,000. There is no comparable assistance in 1976/77.
- (d) these figures are <sup>+</sup> 5% of actual accounts.

It also should be noted that several FAO staff members strongly suggested that I speak to Albani to clarify the situation. I changed my travel plans to attempt to see Albani on Friday \_\_\_\_\_. He refused to meet with me, and in fact said:

- (1) he didn't like the manner in which I had handled the situation;
- (2) he found a note I had sent to him "impertinent";
- (3) I should take the matter up with Pichel.

This then completed a round-robin of confusion.

We do need at least 85% of these funds requested of FAO (\$57,000) for our 1977 work. Should we send this to the IBPGR Executive Committee?

May 5, 1976

Dr. Alcides R. Teixeira  
Director-General  
Instituto de Botanica  
Caixa Postal, 4005  
Sao Paulo, SP, Brazil

Dear Alcides:

When ~~we~~ were there in Brazil, you asked if we could send a tape of the EXIR system written for the PDP-10 computer. Mr. Hanley, Director of computer activities, has asked me to forward to you the enclosed memo which tells of the needs of the machine that you would have to have in order to make EXIR work there. Perhaps you will wish to translate this memo for those in the Computing Center at Campinas.

If all is well with your computing machine and if you have programmers there who are interested to bring this system up, then please let me know and I shall forward to you a tape that will fit the description given in the enclosed memo.

It was a great pleasure to see you again, Alcides. I am also pleased to see you take on a good Flora Brasilia. I trust that we can be of some assistance in this project. However, it's my further hope that the people at EMBRAPA who I think are very good can be your main source of information on the use of EXIR.

With kindest regards,

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

MEMORANDUM

✓  
TO: David Rogers  
FROM: Jim Hanley  
RE: DEC PDP-10 Installation of EXIR  
DATE: April 28, 1976

To transport the Colorado School of Mines, PDP-10 version of EXIR to another DEC computing system, the target system must have the following capabilities:

- 1) Hardware - a PDP-10 computer, models KA, KI, or KL.
- 2) FØRTRAN computer - version 1A or later of DEC FØRTRAN - 10.  
(note: DEC FØRTRAN-40 will not work)
- 3) Linkage -Editor - version 2 or later of LINK-10 which supports overlay.
- 4) Central memory - a minimum of 40,000 decimal words. As implemented, the School of Mines version of EXIR requires 34,000 decimal words (7,000 of which are reentrant library routines) to accommodate:
  - a) 50 total descriptors
  - b) 30 numeric descriptors
  - c) 1000 dictionary resident descriptor-state names
  - d) 150 CØDEZ descriptor-state codes

If a tape of this version of EXIR is to be made, the requesting party must specify the name and version number of the PDP-10 tape creation utility program which is to be used. It is suggested that the tape creation utility program be one of a backup format in interchange mode.

R112  
Gil, Bev

Dave

Publication costs

May 4, 1976

John Schwartz, Director for the Colorado Associated University Press, called and asked about funding set aside for publishing the Manihot report. I had the idea that maybe we could use some of that money to defray the costs of publication of the Users' Manual. What do you think?

I said that I would show Mr. Schwartz the draft when we have finished with it. Is this okay?

rs

RS

May 4, 1976

Dr. Guy Baird  
Deputy Director  
USAID/TA/G  
Room 2243  
320 21st Street, NW  
Washington, DC 19802

Dear Guy:

Enclosed is a copy of P.L. 94-161, and I have only copied Titled XII of that paper. It is probably the case that you have also received a copy by now; but in case you have not, here it is. We got this through our Congressman Tim Wirth.

While I have not read this very carefully, it does seem as though the Land Grant Schools do have things fairly well wired down for them.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

May 4, 1976

Dr. Keith Finlay  
Deputy Director General  
Centro Internacional de Mejoramiento  
de Maíz y Trigo  
Apartado Postal 6-641, Londres 40  
Mexico 6, DF, Mexico

Dear Keith:

Since Gil is away, I have intercepted your letter to him which invites one of us to participate in the Maize Germplasm Advisory Committee. While I may be voted out on this particular one (as very well may be the case with Mr. Hanley), but I am taking the liberty of sending Dr. Kanti Rawal as the Taximetrics Laboratory representative. Gil is suppose to have a visitor from Rothamsted during that period. I hope this is satisfactory.

Sincerely yours,

Dávid J. Rogers  
Director

DR:rs

cc: G. N. Herch

May 4, 1976

Mr. Jess R. Martineau  
341 Keim Hall  
The University of Nebraska-Lincoln  
East Campus  
Department of Agronomy  
Lincoln, NE 68583

Dear Mr. Martineau:

Thank you for your inquiry of the announced position at this Lab. Your qualifications are excellent; but I must inform you that since the announcement was made, our resources have dwindled away. And it is unlikely that we will be able to fill this position at this time.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Dr. Kanti Rawal

April 29, 1976

Dr. G. de Bakker  
Director-General  
Agricultural Research  
Ministry of Agriculture  
and Fisheries  
le van den Boschstr. 4  
The Hague  
Netherlands

Dear Gerry:

Thank you for your invitation to participate in the International Symposium on the World Food Problem and Cooperation in Agricultural Research, scheduled for June 17, 1976. I am very sorry, but I will not be able to attend.

Sincerely yours,

David J. Rogers  
Director

DR:rs

April 29, 1976

Dr. Garrison Wilkes  
Associate Professor of Biology  
Biology Department II  
University of Massachusetts,  
Boston  
Harbor Campus  
Dorchester, MA 02125

Dear Dr. Wilkes:

Thank you for very kindly sending me a copy of the paper that you presented at the symposium of Plant Germplasm Resources.

You might be interested in the enclosed brochure on our project which describes our work with the data on genetic resources.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

April 30, 1976

Professor Jose Luis Carretero  
Catedra De Botanica  
Escuela Tecnica Superior De  
Ingenieros Agronomos  
Paseo al Mar, 21  
Valencia, Spain

Dear Prof. Carretero:

Enclosed are the reprints which you requested.

Sincerely yours,

David J. Rogers  
Director

rs

1. Taxon - new name, old concept
2. Comp. Progr. for classifying plants
3. Use of comp. in studies of taxonomy and evolution

TO: Dan Bailey, Department of Psychology  
FROM: Dave Rogers, Taximetrics Laboratory  
DATE: April 29, 1976  
RE: CU PLATO system

Thanks for sending out your notice on the PLATO project. I am pleased to see that you are offering us all some help with a seminar on this subject. I will try to get some of my colleagues in the department to participate, because it looks like a useful support for our curriculum.

rs

April 29, 1976

Mr. Rajendar K. Sharma  
Department of Genetics  
The Ohio State University  
1735 Neil Avenue  
Columbus, OH 43210

Dear Mr. Sharma:

Thank you for sending your resume and application for our Genetic Resources Network Coordinator position.

We will be screening applicants soon, and hope to notify you of our decision within a period of 30 days.

Sincerely yours,

David J. Rogers  
Director

DR:rs

April 28, 1976

Dr. Stuart G. Greenberg  
Manager, Interactive Applications  
IBM Scientific Center  
545 Technology Square  
Cambridge, MA 02139

Dear Stu:

On April 16 you asked that we supply a copy of the EXIR system to Mr. Kumagai in Japan. We have searched our files and cannot find a request from him about the system. However, we will be glad to send one; and would therefore need to know about his hardware and software equipment which we do not have. I suspect it is to be run on the IBM Scientific Center's machine in Tokyo. If so, it is probably easiest for you to find out what their machine and software configurations are. If you do indeed know their configurations, please let me know and I will send a copy to Mr. Kumagai.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. G. Hersh  
Dr. Jay April  
Mr. James Hanley

April 28, 1976

Dr. Merle H. Niehaus  
Associate Chairman  
Department of Agronomy  
Ohio Agricultural Research  
and Development Center  
Wooster, OH 44691

Dear Dr. Niehaus:

Thank you for your letter of April 21, requesting information about our information, storage, and retrieval system. I am enclosing a brochure describing the project.

You may be interested to know that we will probably formalize a contract from ARS to do a systems study for genetic resources network in the USDA. From such a study, we hope to be able to define the means by which USDA's requirements in genetic resources information management can best be planned.

We will certainly be in touch with you in the near future when the contract is formalized in order to ask you participation in needs specifically at AMES and this in context with other centers in the USDA system. We look forward to cooperating with you.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

MTC

April 29, 1976

Dr. Flavio De Oliveira Costa  
EMBRAPA  
Empresa Brasileira De  
Pesquisa Agropecuária  
Brasília, Brazil

Dear Dr. Oliveira:

Thank you for very kindly sending a copy of "A Brief Report on EMIR System in Brazil." It's a very helpful document.

We are, of course, very pleased to work with EMBRAPA; and look forward to continued cooperative efforts.

Sincerely yours,

David J. Rogers  
Director

DR:rs

110  
April 28, 1976

Dr. C. O. Qualset, Chairman  
Department of Agronomy & Range Science  
University of California  
Davis, CA

Dear Cal:

Thank you very much for your letter dated April 16, 1976.

Regarding the stability of this position, I must say that the finances to support it are from grants. Although we cannot definitely speak about the longevity, it appears that the Genetic Resources Coordinator has plenty of things to do for 2-4 years.

Thank you again for suggesting the names of probable candidates.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Dr. Kanti Rawal

April 28, 1976

Professor W. R. Stern  
Professor of Agronomy  
The University of Western Australia  
Perth  
Nedlands, W.A. 6009

Dear Professor Stern:

Thank you for your letter of inquiry of April 9 written to Mr. G. Hersh concerning the EXIR system. Unfortunately our plans were suddenly changed in respect to an Australian visit in conjunction with a trip to ICRISAT. Therefore, we will not be able to send someone to visit with you or Mr. Syme *at this time*

I am asking our programming group to run off a list of our CDC version of our EXIR system and send it to you. Thank you for your interest. We trust that we can cooperate with you in this area.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. K. J. Syme  
Mr. R. J. Pichel

bcc: Mr. G. N. Hersh  
Dr. Jay April  
Mr. James Hanley

Please supply us with the following information: the model of the machine, the amount of central memory the machine has, and the version and release number of your operating system. Also, if a tape is to be sent, what is your preferred format?

119

April 26, 1976

Mr. George F. Estabrook  
Research Scientist  
Department of Botany  
Natural Science Building  
The University of Michigan  
Ann Arbor, MI 48109

Dear George:

Thank you for your letter of April 13. You must have been in Brasilia just after I was there in March (or maybe just before), and it's too bad that our visits didn't coincide - it would have been like old times!

What you saw there was one result of the contract to the Lab from an international consortium for genetic resources conservation. Under this contract, we are to build a network for crop genetic resources data management. We are to install systems in places where there is capability and need for such - so Brazil, via EMBRAPA, was included. We have several other installations now, but none of them are as active as is that in Brazil. Alcides Teixeira is an old friend of mine ( he was at NYBG before you came), and I promised to send him a tape of EXIR to use at Campinas, where the DP for Fl. Brasilia will be done. This is not a part of our contract work, but I feel that taxonomic work is still fundamental, and so stretch my objectives to the extent of that type of support.

It is interesting and quite gratifying to me to see the adoption and use of our systems built in the sixties. EXIR is really TAXIR with just a few wrinkles added on. But I must say that the tail of applications is waving the Tax Lab dog, and that doesn't please me. I still can't get across the idea that good taxonomy, coupled with good math and good programming should be fostered in a team approach; and that the powers so united is a useful thing to the world. Why is this so difficult for others to understand, George? To me it is so evident, and so needed!

People want to use what we've done, and want us to put it to work for them; but they don't want to support the basic work that put it all together in the first place. I suppose that with my last gasp in this vale of tears, I'll still be trying to get somebody to buy the concept.

Mr. George F. Estabrook  
April 26, 1976  
Page 2

I still try to do some taxonomic work - now on the genus Vitis, but the time to do so is more and more limited. It is frustrating, to say the least.

Sincerely yours,

David J. Rogers  
Director

DR:rs

April 26, 1976

Dr. O. T. Page  
Director of Research  
DIP  
The International Potato Center  
Apartado 5969  
Lima, Peru

Dear Dr. Page:

We have reviewed the draft Recommendations for Germ Plasm Exploration and Taxonomy, and find it acceptable as written.

Thank you for sending the draft.

Sincerely yours,

David J. Rogers  
Director

DR:rs

April 26, 1976

Ms. Alfreida Rehling  
Department of Botany  
Field Museum of Natural History  
Roosevelt Rd. at Lake Shore Dr.  
Chicago, IL 60605

Dear Ms. Rehling:

In response to your inquiry of April 6, concerning my Manihot loan, please refer to the enclosed copy of our shipping notice, dated August 9, 1971.

I am concerned that the specimens have been misplaced - have you checked the cases? I annotated each specimen, so that you should be able to identify those that I had had on loan. Please let me know when and if you locate them.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

## SHIPPING NOTICE

Date August 9, 1971

We are sending you, by parcel post, 5 boxes, the plants indicated below.  
Upon arrival of the shipment, kindly verify its contents and acknowledge receipt by signing and returning the pink duplicate sheet to us.

..... Exchange ..... Loan: No:.....  
 ..... For identification ..... X Gift  
 ..... ~~X~~ Return of borrowed specimens .....  
 ..... Return of specimens sent for identification .....

Loans are made for a period of ninety days. When circumstances warrant, the loan period may be extended. Specimens should be returned by insured parcel post or by prepaid express. All material of this loan should be returned at the same time. *Notes or changes of name should be written on annotation labels rather than directly on the sheets.* Reprints dealing with taxonomic groups will be appreciated.

Please address all correspondence to the Curator, Dr. William A. Weber.

## DESCRIPTION OF SPECIMENS

461 459 specimens of Manihot on loan to David J. Rogers. The 6 short from the original loan of 465 may be in the count. A continuing search is mounted to discover the shortage. Please notify of your count.

55 - 54 mounted specimens/collected by David J. Rogers and others, as gift  
of Manihot

I will close the loan, in the event you find the missing specimens send them on to us. Thank you for the gift. *AD Rehling*

1 *Phototype*  
2 *Sketches*

*DJR*

April 26, 1976

Mr. James M. Rubenstein  
College of Agriculture  
Department of Agronomy  
204 Curtis Hall  
University of Missouri-Columbia  
Columbia, MO 65201

Dear Mr. Rubenstein:

Thank you for sending your resume and application for our position.

We will be screening applicants soon, and hope to notify you of our decision within a period of 30 days.

Sincerely yours,

David J. Rogers  
Director

DR:rs

217

April 26, 1976

Mr. H. W. Suh  
Department of Agronomy  
Waters Hall  
Kansas State University  
Manhattan, KS 66506

Dear Mr. Suh:

Thank you for sending your resume and application for our position.

We will be screening applicants soon, and hope to notify you of our decision within a period of 30 days.

Sincerely yours,

David J. Rogers  
Director

DR:rs

✓  
TO: Dave, Gil, Jay

FROM: Gil

RE: Stu Greenberg

DATE: 12 April 1976

*Claude*

Based on the joint research project with the Cambridge Science Center, might it not be advisable to ask Courte McMillan if we can have Stu Greenberg appointed in the Management Science Faculty? His Ph.D. is in Electrical Engineering and his basic work has been on systems research in application. If we have most of those players at IBM who are part of the joint agreement as faculty, we will have less problems with keys, access, identification cards, etc. while visiting the University of Colorado. Who should take this up with Claude to find out its feasibility? Please let me know ASAP.

cc: Bev

March 24, 1976

Academic Press, Inc.  
Subsidiary of Harcourt  
Brace Jovanovich, Publishers  
111 Fifth Avenue  
New York, NY 10003

Attention Sales Department

Gentlemen:

Some time ago I received two brochures describing several text books. As a Professor of Biology and Director of the Taximetrics Laboratory, I am particularly interested in a few of the books outlined. I would appreciate it if you could send me examination copies of these books listed below:

Taxonomy and Ecology  
edited by V. H. Heywood

An Introduction to Numerical Classification  
H. T. Clifford and W. Stephenson

Plants Consumed By Man  
B. Brouk

Crop Production: Cereals and Legumes  
B. F. Bland

Crop Processes in Controlled Environments  
edited by A. R. Rees, et al

Sincerely yours,

David J. Rogers  
Director

rs

April 23, 1976

Dr. Gilberto Paez  
Department of Quantitative Methodology  
EMBRAPA  
Palacio do Desenvolvimento  
Brasilia, DF (70000), Brazil

Dear Gilberto:

Sorry I have not written to thank you and all your fine colleagues in Brasilia for arranging our extremely well organized visit in March. Two things prevented an earlier reply: one, our advisory committee met a week ago; and two, I got sick with some virus. Between the two, I've been too well occupied.

But still, I have been doing a lot of thinking about means to continued cooperation with various parts of the EMBRAPA structure you are concerned about. The advisory committee has endorsed the idea of training programs in the Taximetrics Laboratory, but we must submit plans to accomplish the training. This is the first time that we have received any encouragement to include a training function along with development, even though I have consistently recommended training.

I know your interests in having a regular graduate degree program for students from Brazil, and I told you that we could probably manage to give students appropriate education at that level, though we would have to call the degree something in botany. This is one option. The other might be in our College of Business in a program in management science, with an emphasis on information management. This program is not fully developed, and would not get the input from biology (at least not as a part of the recognized curriculum in the Business School). So there are our problems, if we have to think only of one school or university.

There might be a second route - get some training here at our university in biological terms, along with practical experience in the Taximetrics Laboratory, and then to another institution for a Ph.D. Again, this would require some organizing which we have not as yet done.

Dr. Gilberto Paes  
April 23, 1976  
Page 2

Other training programs - of relatively short duration and with only an unofficial "certificate of completion" - are also important for management of data. Such training is to be very practical, and will not give any theoretical background. It would include organizing data from a variety of sources (different sections of CENARGEN, for example) to be input to the data storage and retrieval system; adequate means to verify data; long-term methods of data maintenance; building data bases within the limits of your computer capability; methods to call subsets from storage for various data analyses; use of various packages, etc., etc. I believe this type of training to be one of the most needed for genetic resources work at this time. There are no personnel so trained now, nor do I know any place where courses in this area are now offered.

In addition to the training program, we still have a very heavy, and necessary, commitment to continue research and development of new data management and taxonomic methods.

Also, while we do not intend to be a software maintenance house, we will have commitments to be sure that our basic module, EXIR, is available to anyone capable of using it in genetic resources work. We expect to transfer the system, as we have to EMBRAPA, with the implied understanding that once you have the system up, that you will have sufficient skills to keep it maintained, and developed.

There are many other points I might cover in this letter, but will not. In closing let me say that I was tremendously impressed with the development and progress you have made in EMBRAPA. I think it is safe to say that I have not seen such a good, dedicated staff, so well organized for their purpose, as I saw there. You are to be congratulated for that development, and I am sure that what has been developed will be the basis for a long and productive future.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Thanks for returning the paper on CIP.

April 22, 1976

Mr. J. Francisco Pereira  
Escuela de Agronomia  
Universidad de Oriente  
Jusepin, Monagas  
Venezuela

Dear Mr. Pereira:

I am sorry that the publication you requested is no longer available. The reference you seek is probably available through the library at your University. The one that you want is:

Rogers, D.J. and H. Fleming. A monograph of  
Manihot esculenta in Economic Botany, 1973,  
pp. 1-113.

If the publication is not available in your library, you may wish to send a request to the Librarian, CIAT, APTDO 67-13, Cali, Colombia.

Sincerely yours,

David J. Rogers  
Director

DR:rs

April 21, 1976

Mr. Martin H. Krieger  
School of Public Affairs  
Social Sciences Building  
Minneapolis, MN 55455

Dear Mr. Krieger:

Thank you for your interest in my presentation at the recent AAAS Annual Meeting in Boston. However, I spoke from my notes; therefore, there is no formal paper.

Sincerely yours,

David J. Rogers  
Director

rs

April 21, 1976

Dr. J. Russell Nelson  
Executive Vice President  
Executive Vice President's Office  
University Center  
914 Broadway  
Boulder, CO 80309

Dear Russ:

Thank you and Mrs. Nelson very much for hosting the cocktail party at the Koenig Alumni Center last Wednesday evening, April 14. It was very important that the University evidence its support of our work to the visitors, who are members of an informal advisory committee for our international work; and you certainly did support us well, for which I am indeed grateful.

The members of the advisory committee are all men of international reputation and leaders in various aspects of food production. At the end of our meeting, their initial summary report gave us a green light for continuation and approbation for our staff and procedures. They also voted to thank you and the University for the great support that has been given us here.

We now proceed with more confidence to the tasks ahead. We intend that our work, while international in scope, has value for the University as well; and in this, we ask your continued guidance and advice.

Thank you,

David J. Rogers  
Director

DR:rs

*List*

April 21, 1976

Dr. Gary Smith  
The New York Botanical Garden  
Bronx Park, NY  
New York, NY 10458

Dear Dr. Smith:

Address Correction

Attached is the label for the incorrect address where the Bulletin of the Torrey Botanical Club has previously been mailed. Please note that my new address is:

Dr. David J. Rogers  
Taximetrics Laboratory  
1229 University Avenue  
University of Colorado  
Boulder, CO 80309

Sincerely yours,

David J. Rogers

rs

TO: Virginia Stone, Office of Contracts and Grants  
FROM: David J. Rogers, Director, Taximetrics Laboratory  
DATE: April 13, 1976  
RE: Address Correction  
cc: Ralph Stilson  
Rose Litman  
Ed Sakett

Instead of Hale 114, in the future please address all campus mail and correspondence to:

David J. Rogers  
Director  
Taximetrics Laboratory  
1229 University Avenue

rs

Dave, Jay, Gil

AC members' Airport Arrivals

Stapleton Airport, Denver

April 9, 1976

<u>DAVE</u>	Trevor Williams	- Saturday, April 10 Braniff #176 1:05 pm
	A. H. Bunting	- Sunday, April 11 United #165 6:55 pm
	Dick Demuth	- Sunday, April 11* United #166 (or #176) 7:10 pm
<u>JAY</u>	Salhuana	- Sunday, April 11 CO #918 11:35 am
<u>GIL</u>	Fyfe	- Sunday, April 11 United #165 6:55 pm
	Finlay	- Sunday, April 11 Mexicana #916 1:55 pm

April 8, 1976

Mr. Albert Rosenfeld  
Consultant on Future Programs  
The National Foundation  
March of Dimes  
1275 Mamaroneck Avenue  
White Plains, NY 10605

Dear Mr. Rosenfeld:

Thank you for your interest in my presentation at the recent AAAS Annual Meeting in Boston. However, I spoke from my notes; therefore, there is no formal paper.

Sincerely yours,

David J. Rogers  
Director

rs

April 7, 1976

Mr. Solange Passaris  
Research Assistant  
International Research Center on  
Environment and Development  
54, Boulevard Raspail  
75270 Paris Cedex 06  
France

Dear Mr. Passaris:

Thank you for your interest in my presentation at the recent AAAS Annual Meeting in Boston. However, I spoke from my notes; therefore, there is no formal paper.

Sincerely yours,

David J. Rogers  
Director

DR  
rs

April 6, 1976

Professor Peter A. Huxley  
Department of Agriculture and Forestry  
University of Dar es Salaam  
P.O. Box 643  
Morogoro, Tanzania

Dear Professor Huxley:

Thank you for your inquiry, but I am sorry to say that my supply of the reprints you requested has been exhausted.

Sincerely yours,

David J. Rogers,  
Director

rs

April 6, 1976

Dr. J. Russell Nelson  
Executive Vice President  
Executive Vice President's Office  
914 Broadway  
Boulder, CO 80309

Dear Russ:

We are pleased that you will be able to host our cocktail party. The event is scheduled for the evening of Wednesday, April 14 from six to nine p.m. at the Koenig Alumni Center for our Advisory Committee members, Taximetrics Laboratory staff and others. We should also like to invite Mrs. Nelson.

As you may know, our Advisory Committee from the International Board of Plant Genetic Resources will be holding their first meeting at the Taximetrics Laboratory April 12 through 15. Among the membership of the Advisory Committee is Dr. Lewis Branscomb, Vice President for Research and Chief Scientist, IBM Corporation, Armonk, New York; Professor A. H. Bunting of the Department of Agricultural Development of Reading University, England; Dr. Keith Finlay of the Centro Internacional de Mejoramiento de Maiz y Trigo, Mexico; Mr. J.L. Fyfe of Galashiels, Selkirkshire, United Kingdom; and Dr. Wilfredo Salhuana, Director del Centro de Estadístico y Procesamiento de Datos, National Agricultural University, Lima, Peru. We will be joined by Dr. Trevor Williams of the United Nations Food Agricultural Organization, Rome, Italy.

Sincerely yours,

David J. Rogers  
Director

rs

April 1, 1976

Dr. Setijati Sastrapradja  
Director  
Lembaga Biologi Nasional  
Lembaga Ilmu Pengetahuan  
Indonesia (L.I.P.I.)  
Jalan Ir. H. Juanda 11  
P.O. Box 110  
Bogor, Indonesia

Dear Setijati:

Thank you very much for a copy of the proceedings of the Symposium on Southeast Asian Genetic Resources which we received two weeks ago.

Gil Hersh has told me of your discussions in Rome and I am more than pleased that we will have an opportunity to work together. I feel very strongly that the work of the International Board is very important, and that a number of issues which at the present time seem confused will be sorted out with some effort in the near future.

Gil has indicated a number of joint projects that we can do together, including an internship for an individual from your center. We look forward to participating in all of these projects as they are mutually defined.

We look forward to seeing you again, and we hope that at some time you can join us in Boulder.

As always, thank you for your interest and assistance.

Sincerely yours,

David J. Rogers  
Director

DR:rs

March 31, 1976

Dr. O. T. Page  
Director of Research  
The International Potato Center  
Apartado 5969 Ap  
Lima, Peru

Dear Dr. Page:

Let me express my appreciation for the opportunity to be at CIP for the Planning Conference. It was a very profitable week, I think, and I trust that the resolutions passed will be valuable in assisting CIP in its continuing development.

We are dedicated, as you know, to the data management for crops at the International Centers and hope that we will have the opportunity on a continuing basis to supply knowledge and support not only on data processing, but also assisting on some cooperative program of training, such that staff members at CIP will have the opportunity to take over the program of documentation when it is convenient to do so. We consider our expertise to be in management, more than in simple data processing.

We hope to continue the informal basis whereby data supplied by Dr. Rowe and others will continue to be processed. We are hopeful, as well, that data processing provides assistance to Dr. Ochoa, whose large file of taxonomic data are in great need of assistance from a large capacity system. (It is interesting to note that in response to your question at the Planning Conference that, when you asked the question as to whether numerical taxonomic methods were requested, none of the taxonomists spoke up.) And yet it is evident that this is a need not only for the purpose of eventual classification, but also as assistance in such activities as determination of your duplicate accessions.

It is evidently a lack of understanding that taximetric methods have value in many aspects in data management. I trust that we can demonstrate these values as we proceed further.

Thank you again for your kind hospitality. Be assured that we are eager to support the data management at CIP in respect to the genetic resources.

Sincerely yours,

David J. Rogers  
Director

DR:rs

March 31, 1976

Dr. Domingo Pascuale  
Director  
Estacion Experimental Agropecuaria  
C.C. 276  
Balcarce, Argentina

Dear Dr. Pascuale:

In my position as Director of the documentation program for the International Board of Plant Genetic Resources (IBPGR), it is my responsibility to be certain that the data from collections made under the sponsorship of the IBPGR be made available to the world through our computer data management system. It is my understanding that Dr. K. A. Okada of your staff will soon be making collections of wild species and primitive cultivars of Solanum species. Dr. Okada, whom I met at the recent Planning Conference at Centro Internacional de la Papa in Lima, Peru, suggests that I formally request permission from you to share the data that Dr. Okada and his assistants will collect on his expedition.

Thank you for your cooperation.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: Mr. R. Demuth, Chairman, IBPGR  
Dr. K. A. Okada  
Mr. R. Pichel, FAO

March 29, 1976

Dr. R. C. Rautenstrauss  
President  
President's Office  
University Center  
914 Broadway  
Boulder, CO 80309

Dear Raut:

Thank you for your letter of February 20, offering to help in our genetic resources work.

April 12 through 15 our Advisory Committee from the International Board of Plant Genetic Resources will be holding their meeting at the Taximetrics Laboratory. Among the membership of the Advisory Committee is Dr. Lewis Branscomb, Vice President for Research and Chief Scientist, IBM Corporation, Armonk, New York; Professor A. H. Bunting of the Department of Agricultural Development of Reading University, Reading, England; Dr. Keith Finlay of the Centro Internacional de Mejoramiento de Maiz y Trigo, Mexico; Mr. J. L. Fyfe of Galashiels, Selkirkshire, United Kingdom; and Dr. Wilfredo Salhuana, Director del Centro de Estadístico y Procesamiento de Datos, National Agricultural University, Lima, Peru. We will be joined by Dr. Trevor Williams of the United Nations Food and Agricultural Organization, Rome, Italy.

On the evening of Wednesday, April 14, we plan to have a cocktail party for Committee members, Taximetrics Laboratory staff and others at the Alumni Center. While funds for that evening will be provided by the Taximetrics Laboratory, we would be honored and pleased if you would agree to "host" the event.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Dr. David J. Rogers

Rita

Attached letter from

Hannah Huse

March 19, 1976

Attached is a copy of a request letter from Ms. Hannah Huse. From the content, you will see that she would like you to serve on her dissertation committee. When she dropped off this letter, I told her that Wednesday, April 14 (between 3 and 5 o'clock) was probably going to be a most hectic time here at the Tax Lab; and especially for you. I did not want to make such a decision for you, since I know that you have willingly been on others' dissertation committees in the past. However, I emphasised that she might arrange for a substitute member, because of the critical timing element and the unfortunate choice of that particular week in April.

Ms. Huse has since phoned to inform me that she has secured the presence of a substitute committee member. However, she wants you to know that she still would prefer you.

If you have time for this thought, let Ed know your decision and I'll convey it to Ms. Huse as soon as possible.

All else seems fine here

rs

March 16, 1976

Mr. Urban Gullberg  
Royal College of Forestry  
S-104 05  
Stockholm, Sweden

Dear Urban:

As previously promised, I am sending you the EXIR User's Manual. I hope you find this very useful.

Sincerely yours,

David J. Rogers  
Director

rs

Enclosure

March 16, 1976

Mr. Charles M. McIntosh  
Program Manager  
Academic and Scientific Relations  
IBM World Trade Americas  
Town of Mount Pleasant, Route 9  
North Tarrytown, NY 10591

Dear Charles:

I am sorry if I have not got time presently to get you all the publications you requested. The reason for it is that I am off for two weeks to South America for a symposium. However, enclosed is my curriculum vitae, and I will ask Gil Hersh to send along other papers that would be useful.

By the above you will understand that I very much appreciate your offer to participate in the Japan Symposium. If it is convenient to you, upon the return from my South American sojourn I will suggest a few other locales that I might visit in conjunction with the trip. Thank you for your letter.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

- by  
2/20*
1. D & R vitae
  2. NSF proposal (- budget)
  3. USDA CSRS proposal (- budget)
  4. GRICIDS report & 1976 contract (- budget)

March 10, 1976

Mr. Robert Pichel, Chief  
AGPE, Crop Ecology and  
Genetic Resources Unit  
UN/FAO  
Rome, Italy

Dear Bob:

A letter has just come from Mr. Fyfe concerning his request for travel to the Advisory Committee Meeting in Boulder. He would prefer to leave from Prestwick rather than Heathrow Airport. Please arrange this if it has not already been done.

Sincerely yours,

David J. Rogers  
Director

DR:rs

TO Chuck Slater  
FROM Dave Rogers  
SUBJECT BIC paper  
  
DATE March 10, 1976

UNIVERSITY OF COLORADO

*Interdepartmental  
Memorandum*

I just got around to reading the paper you sent me on BIC. It seems to me there are a number of specifics that need to be brought into that discussion before we can proceed, and it needs more preciseness before we can say go on it.

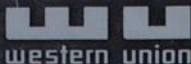
I think we really ought to have a more precisely defined set of objectives than we have, and that we ought to have some agreed-upon plans in advance of going. Further, I'd like to know the time frame you have in mind for the work, because Kanti is already up to his ears in work, and we'll have to plan very carefully around that.

This kind of an operation can provide the linkages that bring us back into some coordinated activities if it is done properly, and that's why I want to be sure that we take into account all the problems that may arise from it before we undertake it. We cannot undertake this endeavor until we all recognize that the funding for this will have to come from GR CIDS funds, and this makes me feel doubly cautious about how we frame it.

Unfortunately, I'm going down to South America for two weeks leaving Sunday, so it will have to wait until I return. In the meantime, you might work some more with Kanti to get down more specifics than given. I hope you can find time to do so.

rs

cc: Gil Hersh  
Kanti Rawal



Received  
**Telegram**

NO. WDS. - CL. OF SVC. PD. OR COLL. CASH NO. CHARGE TO THE ACCOUNT OF

OVER NIGHT TELEGRAM  
UNLESS BOX ABOVE IS CHECKED THIS  
MESSAGE WILL BE SENT AS A TELEGRAM

Send the following message, subject to the terms on back hereof, which are hereby agreed to

March 9, 10, 1976

TO D.J. Rogers

CARE OF  
OR APT. NO. 9:15 am

STREET & NO.

TELEPHONE

CITY & STATE

ZIP CODE

Brazil: DPD-008 DE 09-03-76

Sorry delay due frequent travel outside Brasilia. Confirm our staff  
will be available for discussion session. Hotel reservation already  
made.

signed: Gilberto Paez  
EMBRAPA

rs

SENDER'S TEL. NO.

NAME & ADDRESS

March 9, 1976

Mr. J. L. Fyfe  
Thornielee Cottages  
Clovenfords, Galashiels  
Selkirkshire TD1 3LN  
United Kingdom

Dear Mr. Fyfe:

Thank you for your letter. We are looking forward to your coming. Unfortunately, the travel arrangements are being made in Rome through Dr. Pichel. I am sending him a letter today to the effect that you would rather travel from Preswick. Dr. Bunting is, I think, coming more or less directly to the meeting from Africa; and therefore, would not be traveling from Heathrow.

Papers are forthcoming within the next two weeks or so.

Sincerely yours,

David J. Rogers  
Director

DR:rs

March 9, 1976

Coconut Industry Board  
Dr. H. C. Harries, Chairman  
P.O. Box 204  
Kingston 10, Jamaica  
West Indies

Dear Dr. Harries:

This confirms my cablegram of Monday, March 8. I expect to arrive from Curacao via Dutch Antillean Airlines, LM #973 at 12:55 afternoon. Since I shall be traveling on official business, it will not be necessary to accept your kind offer of hospitality. I will accept, however, your offer to arrange for me a single room in a good hotel for one night.

Sincerely yours,

David J. Rogers  
Director

DR:rs

TO: Jay, Gil  
FROM: Dave Rogers  
DATE: March 9, 1976  
RE: Phone call to Demuth on Wheat Committee meeting

I made a strong plea to Demuth to include us in the first meeting of the Committee, citing our conversation earlier today to Bunting, and citing the criptic cable from Pichel to send all GRCIDS wheat data to the meeting.

Demuth's response was a strong no, saying he didn't think the Committee would get around to documentation, but they would want to talk about what they know amongst themselves about what needed to be done. He thought that certainly they would get around to inviting us later, but not to the first meeting.

I implied that they would not know how to proceed unless they shared our experience, and implied (but did not say anything about Hondelmann's conversation with Gil) that they wouldn't be able to make any decisions until they talked to us anyway. None of this changed Demuth's mind.

He suggested we summarize what we have with respect to wheat, and other problems as we have seen them, and send this to Hondelmann, and leave it to Hondelmann to make the decision.

Demuth further said that he thought it too much of a burden for us to go to every one of the Committees for the different crops.

I brought up the matter that a resolution had been passed at the meeting of the Board that we be included in these committees. He said he did not recall that such a resolution had been made.

rs

1601-72      Night Letter

March 8,      76

Dr. Hugh Harries  
IBPGR Cocomut Industry Board  
Kingston 10, Jamiaca WI

Arrive 24 March Dutch Antillean Airlines IM #973 at 12:55 noon.  
Arrange room single person one night my expense.

signed: Rogers

rs

Operator # 394

Date/Time

3/8  
4:35'

Confirmation

yes



March 4, 1976

Dr. Frank A. Bisby  
Department of Biology  
Building 44  
The University  
Southampton, SO9 5NH  
England

Dear Frank:

I was pleased to get your letter of the 17th, with the very good set of suggestions for chapter headings for our projected book. About the only one I might argue with is #7, (Techniques for) Phylogenetic Speculation - but that is not a significant argument!

The next thing I think needs to be done is to ask you to propose the time you would like to spend with us on such a book, and what financial arrangements you would need. When you send this information, please also enclose a curriculum vitae. We may be able to spring loose some funds for this purpose from some granting agencies in the United States. The sooner we get started on this, the better; but I suspect that we can't get going on the work until next fall.

Please let me have your response at your earliest convenience.

Sincerely yours,

David J. Rogers  
Director

DR:rs

March 4, 1976

Dr. Enrico Porceddu  
Consiglio Nazionale delle Ricerche  
Laboratorio Del Germoplasma  
Via G. Amendola, 165/A  
Bari, Italy 70126

Dear Enrico:

The slides you sent me were very, very useful in my genetic resources conservation talk at AAAS. I would like to know if I may keep these slides, or should I return them to you.

Sincerely yours,

David J. Rogers  
Director

DR:rs

March 4, 1976

Dr. Grady L. Webster  
Department of Botany  
University of California  
Davis, CA 95616

Dear Grady:

Thanks muchly for the three reprints on the Euphorbiaceae. I am sorry I don't have any substantive reprints to return at the moment. All my stuff is going towards computer reprints, which I doubt have a great deal of interest for you.

Best regards,

David J. Rogers  
Director

DR:rs

Bev

Dave

Maintenance of Kodachrome Slides

March 3, 1976

Would you help organize a procedure for keeping Kodachromes, that are taken by various staff members, in some sort of orderly fashion.

See me about this is you think it is a good idea.

rs

March 3, 1976

Ms. Sue Clowe  
2805 Regis Drive  
Boulder, CO 80303

Dear Ms. Clowe:

In response to your letter of February 25 to Mr. Hersh, the position to which you applied has been filled. However, we will keep your curriculum vitae on file, because you do have good qualifications. And if another position does come along, we will consider your application.

Sincerely yours,

David J. Rogers  
Director

DR:rs

cc: G. N. Hersh

March 3, 1976

Mr. Richard Tennyson  
1921 Tenth Street  
Berkeley, CA 94710

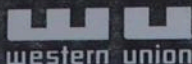
Dear Mr. Tennyson:

I am sorry to say that the position to which you applied has been filled.

Sincerely yours,

David J. Rogers  
Director

DR:rs



# Telegram

NO. WDS. - CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM
		n-1	1601-72	

Send the following message, subject to the terms on back hereof, which are hereby agreed to

March 2, 1976

TO O. T. Page *CIPAPA* CARE OF OR APT. NO.  
STREET & NO. Centro Internacional De La Papa, Apartado 5969 TELEPHONE  
CITY & STATE Lima, Peru ZIP CODE

Arrive Varig 831 11:50 pm March 14. <sup>STOP</sup> Would like your approval to invite DR. Peter Bryant of my staff as an observer at the conference. Please cable approval for Bryant. ~~Expect to stay with wife~~ <sup>me and wife</sup> to March 21. Please reserve double room for ~~my wife~~ and single room for Dr. Bryant.

signed: Rogers

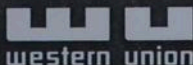
Operator # *534* Date/Time *3/2 11:00* Confirmation *yes*

SENDER'S TEL. NO.

NAME & ADDRESS

WU 1207 (R 5-69)

Peter



# Telegram

NO. WDS.-CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM
		night letter		UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM
Send the following message, subject to the terms on back hereof, which are hereby agreed to				3-2 1176
TO	Gilberto Paez			CARE OF OR APT. NO.
STREET & NO.	EMBRAPA, Palacio do Desenvolvimento			TELEPHONE
CITY & STATE	Brasilia, DF (70000)	Brasil		ZIP CODE
<p><i>immediately</i> <i>Brasilia</i></p> <p>Please cable your approval my visit arriving via Cruzeiro 663 arriving <i>Brasilia</i> 6:45 pm. <i>MARCH 21</i> Please arrange hotel accommodations March 21 March 24. Accompanied by wife and Dr. Peter Bryant of our staff. Need one double room myself and wife. Single room Dr. Bryant. Please cable approval <i>immediately</i>.</p> <p>signed: Rogers</p> <p>Operator # <i>534</i> Date/Time <i>3/2 / 11:05</i> Confirmation <i>yes</i></p>				
SENDER'S TEL. NO.		NAME & ADDRESS		

WU 1207 (R 5-69)

outline meeting  
3/7/60

Overall Objectives:

1. Data responses for world collection potential  
Goals:
  - a. Respond to data from all sources
  - b. Identify data sources and form of data (format for transmission)
  - c. How to guarantee actual transmission
  - d. long term maintenance
  - e. Application of data for problem solving.
2. Team member for communication/ information/ documentation system  
Goals:
  - a. interim service function for data
  - b. organization and integration methods for data flow
  - c. long term relation with center scientists for improvement of data management techniques
3. Assistance in movement to self-sufficiency of centers (national of international) in data management  
Goals:
  - a. coordinated training (human resources) - ours plus others
  - b. coordinating facilities: service centers, science centers, national centers
  - c. tapping funding sources - international, bilateral, commercial
  - d. User's Manual
    - 1) data for collection
    - 2) data for conservation
    - 3) data for improvement
    - 4) data for production
4. Development of international network  
Goals:
  - a. establishment of committee on potato germplasm to:
    - 1) get guidance for potato genetic resources on all potato functions - internationally
    - 2) set standards on documentation and calculation (all functions, all disciplines)
  - b. formalize rules of interchange (and means of communication/publication)

Minimum of what we want to come away with (Jay):

1. we formalize descriptor definitions
2. continue to collect data on potatoes
3. support or authorize us to work on exploratory data analysis techniques
4. some initiation of getting CIP their own data person
5. initiation of catalog of germplasm collection

#2 and #5 satisfy the Board

#1 satisfies our methods

#3 reinforcement

#4 satisfies them

We have: disease evaluation data  
collector's data

Should have: maximum list of base collections

Divide the program into two sessions

A. overall activities with GRCIDS

1. Stress the broad perspectives of GRCID (exploration, collection, improvement, production)
2. Stressing goals of GRCIDS

B. Specific Activities with Potatoes

stress five points:

1. get us involved with continuing to get data
2. problem of defining descriptors of that data
3. specific problems of identifying duplication
4. preparation of reports (catalog) of what they already have
5. how can we help set them up (data management)

Materials:

1. descriptor classification
2. charts - need to make new charts

Dave Rogers

Rita

Mr. Robert Bye's arrival

Friday, February 27, 1976

Pick-up Mr. Robert Bye at Stapleton Airport on Sunday, February 29. He will be arriving on United flight #163 at 6:50 p.m.

rs

February 27, 1976

Mr. William A. Ellison  
Personnel Officer  
Personnel Servicing Group  
FAO  
Rome, Italy

Dear Mr. Ellison:

By coincidence, the day after I mailed a letter to you about the status of my pension money, I received notification that it has been deposited in my bank account. Sorry to have troubled you.

Sincerely yours,

David J. Rogers

DR:rs

February 26, 1976

Dr. Hugh Cutler  
Curator of Useful Plants  
Missouri Botanical Garden  
2315 Tower Grove Avenue  
St. Louis, MO 63110

Dear Hugh:

On January 23, I wrote you a letter, and at that time I indicated that I was sending some reprints to you. Just the other day, we received back from the Post Office the remains of the mailing package. Apparently, the Post Office has mangled and lost them. Unfortunately, one paper I sent, the Manihot monograph, was amongst them. Since they are in short supply and expensive, I am sorry I cannot replace it. I am afraid that you will have to see this one in the Flora Neotropica series. Better luck next time.

Sincerely yours,

David J. Rogers  
Director

DR:rs

February 26, 1976

Mr. Urban Gullberg  
Royal College of Forestry  
S-104 05  
Stockholm, Sweden

Dear Urban:

Thank you kindly for your letter of February 6 with the interesting news that you are involved in the forest genetic resources and clonal material.

I will shortly send to you a user's manual of that which is now called the EXIR system (it was formerly the TAXIR system). This will be generally useful for systems understanding, but will not give you the standards for descriptors to be used. I am sending along in this letter a classification system that we are working on for genetic resources. The purpose of sending this classification is to indicate how you may wish to establish a set of appropriate descriptors for the clone material and the forest genetic resources. As far as standardization is concerned, I would depend on you to establish those sets of descriptors which you and your colleagues find most appropriate to exchange information on.

Sometime shortly after I returned to the United States from my visit with you in 1974, I sent a magnetic tape of the TAXIR system to Dr. Palmstierna. I learned only recently of his tragic death. I never received acknowledgment for the receipt of that magnetic tape, and I wonder if there is any way to find out what disposition was made of it in Sweden. It is not that important, because the present system is so much improved over that one, that I would have to send you another one if you desire to use it there. EXIR runs efficiently now on both CDC equipment, as well as several levels of the IBM 370 series.

I still feel strongly that it would be very, very important to spend some time with us to become familiar not only with the software, but data management problems that assist with the proper flow and use of the data, which is more important even than the software packages.

It is not difficult to make data compatible for different software and hardware, and for that reason, I am not particularly worried about which software you use. It is more important that you and your colleagues in forestry agree upon a list of needed descriptors. Let me urge again that you spend

Mr. Urban Gullberg

2

February 25, 1976

some time with us before getting on with data collection. Even if you do not use our software, data management is the most critical and misunderstood part of the problem.

I trust that you have learned something from this letter, and we can proceed in this work.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosure

February 26, 1976

Mr. Walter B. Lovelace  
Postmaster  
Boulder Post Office  
1905 15 Street  
Boulder, CO 80301

Dear Sir:

I just want you to know that we have had two incidences lately where we have received back nothing but the empty mailing envelopes of scientific papers that we have sent through the mail, the contents missing. The value of these papers is great scientifically, though not of great commercial value.

It seems that the more we pay for the postal service, the more we loose that service. I hope there is something that can be done at the local and national levels to take more care of packages.

There can be claims that packages were not properly wrapped, but the number of times that we have sent the same kind of package indicates that there has been unusual stress on those that do <sup>not</sup> get through.

Sincerely yours,

David J. Rogers  
Director

DR:rs

Enclosures 2

February 26, 1976

Mr. R. Medard  
Faculte Des Sciences  
Universite de Brazzaville  
B. P. 69 Brazzaville  
Republique Populaire du Congo

Dear Mr. Medard:

I am sorry to say that my supply of the reprints you requested has been exhausted.

Sincerely yours,

David J. Rogers  
Director

rs

February 24, 1976

Dr. Lew Branscombe  
Vice-President for Research and  
Chief Scientist  
IBM Corporation  
Armonk, NY

Dear Lew:

Professor High Bunting of Reading University (UK), a member of the International Board of Plant Genetic Resources, has just been named chairman of the Advisory Committee. It would be very convenient for Professor Bunting if we could start the Advisory Committee meeting on Tuesday, April 13. I wonder if there is any way that you could squeeze that day into your schedule. I hope you can.

Sincerely yours,

David J. Rogers  
Director

DR:rs

February 24, 1976

Mr. William A. Ellison  
Personnel Officer  
Personnel Servicing Group  
FAO  
Rome, Italy

Dear Mr. Ellison:

May I please inquire as to the status of my payment refund from the pension fund. My pension number, for your information, is 081316. If you cannot inform me as to the status of this payment, please give me the name and address of the appropriate individual in the pension fund to whom I can write directly.

I would also be pleased to know what the final results are of the payment of my physical exam. I submitted a bill for that in January.

Thank you for your assistance.

Sincerely yours,

David J. Rogers

DR:rs

DAVE,  
See over for  
note from Gil.

MEMO

TO: Gil

FROM: Allan

RE: R. E. Gunn's Maize Query

DATE: 2/24/76

cc: Dave

Rita  
oh - DPP - Shee says to  
check it out on  
response

We have responded to Ben Gunn's query (addressed to Dave on January 28, 1976) with a series of three report generate runs. I feel several things should be brought to his attention in the cover letter:

- 1) In answer to Gunn's question in paragraph three of his letter - Yes, the output from an EXIR GENERATE statement must be submitted to the Report Generator Module for tabulation.
- 2) The EXIR and EXIRPG commands have been included as requested.
- 3) Since the EXIS module selection cards are not displayed in the materials referenced in no. 2, above, I have included a description of the deck set-up for a run to produce the relevant output. I have not had it typed, since I did not know whether or not you wished to include such a description.
- 4) The data base is organized in two separate banks, and the requested information was drawn from both banks.

Three separate EXIS runs were made:

- a) One querying CIMB
  - b) The first of two querying CIMA (due to page width limitations on the report)
  - c) The second of two querying CIMA
- 5) The output from nos. 4b and 4c are bound face to face in one pamphlet. The output from no. 4a is bound separately in the same collating sequence.

ENTRY and ACCESSION NUMBER have been repeated on each page of the report to facilitate cross-referencing.

- 6) In identifying requested seeds to Cimmyt, the PPNAMA; PPNAMB; PPNAMC; PPNAMD designation might prove more fruitful than either ENTRY or ACCESSION NUMBER.
- 7) With regard to the alternative output format suggested by Gunn, I believe the design of a PRINT statement should be explained to him. Gunn's placement of ENTRY and ACCESSION NO first in the descriptor list would

eliminate any of the advantages inherent in the hierarchical nature of a PRINT statement.

- 8) Lastly, a minor point regarding SYNONYM A: the character that appears in the phrase TUC 41<sup>-</sup> was TUC 41<sup>+</sup> in the original data. This was altered by the mismatching of characters from EBCDIC(IBM) to DISPLAY(CDC). The interpretation of TUC 41<sup>+</sup> is, however, unknown to me.

rs

- ① letter and response have gone to Conn
- ② he has rec'd them
- ③ he has shown them to Buntz.

love

S

4/2

Dave Rogers

Rita

Mr. Robert Bye's travel arrangements  
to Boulder from Feb.29 through March 2.

February 18, 1976

The airline tickets have been prepaid, and Mr. Bye is to pick them up at the United counter at Logan Airport. The arrangements are confirmed for:

29 Feb. - Boston to Denver  
United #163: departs 4:30 PM  
arrives 6:50 PM

2 March - Denver to Boston  
United #644: departs 4:25 PM  
arrives 11:18 PM

rs

February 18, 1976

Dr. Robert C. Brill  
Division of Research & Development  
& Administration  
151 Cooley Lab  
North Campus  
University of Michigan  
Ann Arbor, MI 48105

Dear Bob:

The new TAXIR Primer arrived last week, and I am very grateful. In return, I shall send to you, as soon as it is off the press, a copy of the user's manual for that which has now evolved from TAXIR to EXIR. I think that you will find this interesting.

Thank you so much in thinking of me by sending the Primer. Please give my best to Sylvia; Connie sends her love.

Sincerely yours,

David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. Rita R. Colwell  
Department of Microbiology  
University of Maryland  
College Park, MD 20742

Dear Dr. Colwell:

I have forwarded to the National Academy of Science an informational summary of my part in your session. What I write about now, is to ask whether you would like to have in my presentation, in addition to work in genetic resource information retrieval, systematic work I have been doing on data of two plant genera, *Manihot* or cassava and *Vitis*. If this is interesting to you, I can work my discussion about both these topics into one paper.

You might be interested to know that with the Computing Center here, we have been developing an information management system for biology; and I have the approval of the Assistant Director, Dr. Robert Schiffman, to put on a demonstration of this activity during the CODATA conference. Dr. Schiffman has already contacted the appropriate individuals responsible for scheduling during the CODATA meeting, and they have agreed that this would be a good addendum to the meeting.

I look forward to the sessions, and will have an abstract submitted when I have your approval for the above.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. J. L. Fyfe  
Thormelee Cottages  
Clovenfords  
Galashiels, Selkirkshire  
TD1 3LN  
United Kingdom

Dear Dr. Fyfe:

Mr. Demuth has told me of your willingness to serve as a member of the committee for the Genetic Research Communication Information Documentation System. I welcome your presence therein. I am trying to arrange for a meeting of the Advisory Committee, and as far as our schedule is concerned, we would think that the month of April is the most likely time for most members to be available. We would like for the meeting to occur for two days - Monday, April 12 and Tuesday, April 13 - so that those members who are heavily committed in other work could plan their traveling for April 14.

We would be pleased if you found an extra day so that you might stay and learn more about our activities following the formal sessions.

Please let me know if you can be available at this time. We will, of course, make arrangements at your convenience for traveling to Colorado. I am sure Mr. Demuth has told you already of the financial emoluments, and if you are still uncertain about these arrangements, I will fill in the necessary details.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 17, 1976

Mr. Rui A. Mendes  
Agronomy Department, LS  
Purdue University  
West Lafayette, IN 47907

Dear Mr. Mendes:

I am sorry to say that I have exhausted all copies of the paper you have requested.

Sincerely yours,

David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. Gilberto Paez  
Department of Quantitative Methodology  
EMBRAPA  
Palacio do Desenvolvimento  
Brasilia, DF (70000)

Dear Gilberto:

I am projecting a trip in March to South America, first stopping in Peru. Upon leaving there on Monday, March 22, I hope to come to Brasilia. It would be very pleasant to get to see you and discuss mutual concerns. I hope to depart on Thursday, March 25. I trust that this time is convenient to you. Please let me know if it is not.

I shall be accompanied by my wife, Constance, and will need accomodations for both of us.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. O. T. Page  
Director of Research  
Centro Internacional De La Papa  
Apartado 5969  
Lima, Peru

Dear Dr. Page:

Just to notify you of my travel arrangements, I expect to leave here on Sunday, March 14, and to arrive in Lima the same day. I have yet to make my travel arrangements, but these are my anticipated arrangements. My wife, Constance, will be accompanying me, and we will need to have a double room.

May I also have your permission to bring Dr. Peter Bryant with me? Dr. Bryant is a visiting statistical scientist of IBM, who is working with us on problems in genetic resources; and it would be a good education for him to be in a center where the real work is going on. If you see no problems with his being there, and listening to the discussions, please let me know. If there are any difficulties, also please say so, and I will then not invite him to come along.

I expect to leave Lima on Friday, March 19, and we would like to go to Machu Pichu on that weekend.

Things are progressing well, and I will bring a copy of my report with me. I anticipate that 30 copies of this report will be available. If more are needed, please let me know.

Thank you for your considerations.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. Enrico Porceddu  
Consiglio Nazionale delle Ricerche  
Laboratorio Del Germoplasma  
Via G. Amendola, 165/A  
Bari, Italy 70126

Dear Enrico:

Thank you very much for your thoughtful and timely gift of the Kodachrome slides of wheat. They are beautiful, and will be of great use in the class that I am teaching.

I am sorry that you cannot come here as you had intended. Please let me know when you do plan to come.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 17, 1976

Dr. Wilfredo Salhuana  
Director del Centro de Estadístico  
y Prodesamiento de Datos  
Universidad Nacional Agraria  
La Molina  
Apartado 456  
Lima, Peru

Dear Dr. Salhuana:

We are definitely looking forward to your participation as a member of the committee for the Genetic Research Communication Information Documentation System. I welcome your presence therein, and you will be informed soon about what is to happen.

I am trying to arrange for a meeting of the Advisory Committee, and as far as our schedule is concerned, we would think that the month of April is the most likely time for most members to be available. We would like for the meeting to occur for two days - Monday, April 12 and Tuesday, April 13 - so that those members who are heavily committed in other work could plan their traveling for April 14.

We would be pleased if you found an extra day, so that you might stay and learn more about our activities following the formal sessions.

Please let me know if you can be available at this time. We will, of course, make arrangements at your convenience for traveling to Colorado.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

I expect to be at CIP for the planning conferences on March 15-19.

February 12, 1976

AIRMAIL

Dr. H. C. Harries  
Chairman  
Coconut Industry Board  
P.O. Box 204  
Kingston 10, Jamaica  
West Indies

Dear Dr. Harries:

In response to your letter of January 30, I will shortly get together and send to you all available descriptions there are in respect to the format for data. Most of the recommendations will be about the necessary content of data, rather than the specified computer format. It is our policy to get the investigators as much format as needed to describe whatever is important, such as, if he is a pathologist, that he has certain data types that are obligatory, that we will not interfere with that which is most convenient in data gathering.

I think you will observe in the papers that you read, that it is our feelings not to let some computer system get in the way of the investigators.

We will, however, request those data that have been found universally required as a minimum. From there, we will be glad to advise about specifications on your crop. We will obviously ask for some means for standardization, but do not insist on this at the beginning.

I expect to be traveling from South America sometime after March 22. It might be convenient for me to stop in Jamaica to see you as a part of that trip. Please let me know as soon as possible if you expect to be in Jamaica the week of March 22. I would be happy to confer with you about mutual problems. I do hope you will be there, and I will get to see you.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs

February 12, 1976

AIRMAIL

Dr. A. B. Joshi, Director  
Indian Agricultural Research Institute  
New Delhi, India 110012

Dear Dr. Joshi:

Thank you very much for your letter dated January 22. I am pleased to have your comments on up-dating and corrections of our brochure, "Genetic Resources Communication Information Documentation Systems Project." I will be happy to incorporate your suggestions into the next version of this brochure.

I appreciate your meeting with Dr. Rawal of our staff, and I trust that his visit proved useful in our continued cooperation.

Sincerely yours,

Dr. David J. Rogers  
Director

DR:rs