



Hunt Institute for Botanical Documentation
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Carnegie Mellon University
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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.

FEDERAL REPUBLIC OF NIGERIA

Fed. Agric. Research & Training
Station,
Umudike, Umuahia,
E.C.S. Nigeria.
15th Nov., 1972.

Ref.No.FARTS/PB/66/70

Dr. D.J. Rogers,
Taximetrics Lab.,
University of Colorado,
Boulder, Colorado 80302.

Dear Sir,

Request for Seed of Manihot Spp.

It will be immensely appreciated if you could send me by air postage, viable seeds of the following Manihot Species - see attached list of about 36 species which you may have in your collection or around your area.

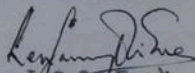
Twenty to thirty seeds of each specie will suffice.

I am prepared to pay for the cost of postage and any other incidental expenditure that you may incur. Please attach your bill/bills in duplicate in the parcel.

Also find enclosed an import permit covering this request and I hope the seed consignment will satisfy the conditions stated (overleaf).

I do solicit your urgent attention.

Yours sincerely,



(Dr. I. S. O. Ene)
Principal Research Officer i/c.,
Fed. Research Station, Umudike.



NIGERIA

FEDERAL DEPARTMENT OF AGRICULTURAL RESEARCH 1972

Importation of Plants Regulations

No. IB.1972/326

PERMIT TO IMPORT

PERMISSION is hereby given to Dr. L. S. O. Ene

of Federal Agric. Research and Training Station, Umidike.

to import into Nigeria from Taximetrics Laboratory,
University of Colorado,
Boulder, Colorado 80302.the following Manihot spp. (Wild Cassava) seeds 30 varieties (10 grams each).

Subject to the conditions stated overleaf.

G. O. Idesu
for Director of Agricultural Research.

DPDL O.L. 1857

CONDITIONS OF IMPORTATION

1. Consignment to be accompanied by a Phytosanitary certificate issued by Inspector in-charge, Agricultural Quarantine, Inspection Division, U.S. Department of Agriculture, P. O. Box 3386, San Juan 00904.
2. Consignment to be mailed/shipped with a copy of this Import Permit.

1. Manihot esculenta
2. M. glaziovii
3. M. catingae
4. M. dichotoma
5. M. carthaginensis
6. M. aesculifolia
7. M. palmata
8. M. tweediana
9. M. saxicola
10. M. melanobasis
11. M. pringlei
12. M. auriculata
13. M. rubricaulis
ssp. Isoloba & rubricaulis
14. M. oazacana
15. M. chlorosticta
16. M. davisiae
17. M. angustiloba
18. M. rhomboidea spp.
rhomboidea. spp.
microcarpa
19. M. subspecata
20. M. walkerae
21. M. caudata
22. M. michaelis
23. M. tomatophylla
24. M. websteri
25. M. foetida
26. M. crassisepala
27. Manihotoides pauciflora
28. M. pedicellaris
29. M. surumuensis
30. M. leptopoda
31. M. hemitrichandra
32. M. ferruginea
33. M. tubuliflora
34. M. zehntneri
35. M. enneaphylla
36. M. lobata

UNIVERSITY OF NIGERIA, NSUKKA

TELEPHONES :
NSUKKA 48, 49, 50.

TELEGRAMS :
NIGERSITY

OUR REF : UN/BNO/219 (CVA)

YOUR REF : _____



DEPARTMENT OF PLANT/SOIL SC.

DATE : 29th February, 1972.


Professor David J. Rogers,
University of Colorado,
Boulder, Colorado, 80302,
U.S.A.

Dear Prof. Rogers,

I was invited personally and I proposed to attend the Cassava Review Conference at CIAT in Colombia but unfortunately due to reasons beyond my control, it was not possible for me to attend the conference. I have however received the papers presented at the Conference which included your interesting and informative paper on cassava work in your country. I would be greatly obliged to you for sending me reprints of your publications on cassava in addition to those of your colleagues or organization if these are readily available. I hope in future to send you copies of any papers on cassava published by the staff of my Department.

Thanks in advance for your co-operation.

Yours sincerely,


Professor B. N. Okigbo,
Head, Plant/Soil Science.

UNIVERSITY OF COLORADO
GRADUATE SCHOOL
BOULDER, COLORADO

COUNCIL ON RESEARCH AND CREATIVE WORK

December 5, 1972

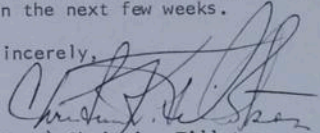
Professor David Rogers
Department of Environmental,
Population, and Organismic
Biology
Hale 114

Dear Professor Rogers:

The Council on Research and Creative Work has approved payment in the amount of \$71.70 for the cost of 100 reprints of your article, "Characters and clustering in taxonomy: A synthesis of two taximetric procedures," which was published by the International Association for Plant Taxonomy. This amount represents 3/5 of the total cost of 100 reprints which is what the Council will pay when a cost breakdown for the first 100 reprints is unavailable. Consequently we have charged the Biology account 1708-01 for the balance: \$47.80.

The Finance Office will send remittance to the International Association for Plant Taxonomy within the next few weeks.

Sincerely,



(Mrs.) Christina Tillotson
Secretary, Council on Research
and Creative Work

CKT:cj

cc: Mrs. Beulah Sawyer

UNIVERSITY OF COLORADO

BOULDER COLORADO 80302

Department of Environmental,
Population and Organismic Biology

Nov. 10, 1972

Richard Riggs
Hale 112
Campus

Dear Rick:

The Executive Committee considered summer 1973 courses again for the last time this morning, to iron out final details before committing ourselves to a given schedule. The only part that involves you is Biol. 480(2), which upon unanimous recommendation by the faculty in botany of this department was deleted from our list of courses to be offered. Indeed, the EC voted unanimously also to cancel that course as of next semester.

The reasons for this action are (1) that it is a responsibility of this department to process its degree candidates in the most efficient way possible; and (2) that in your case the Greenhouse Foreman position was awarded to you in order to reduce your outside commitments. To proceed then to facilitate utilization of your time in ways inimical to attainment of both these objectives is a gross error.

The above decisions have no bearing upon you as a person, your competence in giving the course, or the merit of the course. Please accept them in the spirit in which they were made, in subservance of the truly primary objective of successful completion of your degree requirements as promptly as possible.

Very sincerely,

Hobart M. Smith
Chairman

HMS:eo

UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

Department of Environmental
Population and Organismic Biology

Nov. 17, 1972

Dr. Hobart M. Smith
Ramaley 110
Campus

Dear Hobart:

The Greenhouse Committee wishes you to offer the Greenhouse Foreman position to Richard Wehrmeister from Dec. 25, 1972 to September 1, 1973. For our greenhouse operations to continue smoothly it will be necessary for Mr. Wehrmeister to assume minimal greenhouse duties (watering and pest control) at the end of November. Will you please work out a compensatory arrangement with him for this extra service and express our special gratitude to him? We hope the arrangements will be as financially advantageous to him as possible.

Will you please commence negotiations as soon as possible with the Dean concerning the elevation of the greenhouse position to the sort of staff position which will enable us to get someone here who can run our greenhouse and garden teaching and research facilities in a highly professional manner. This person should ideally have a degree in Horticultural Science or a closely allied field. Such a person will be invaluable to us now and in the future aspirations of the botanical team here in our Department. We wish to recruit this person this spring and have him join us next September.

Sincerely yours,

Jane H. Bock
Greenhouse Comm. Co-chm.

cc: Drs: Bonde, Linhart, Lüve, Marr and Rogers. ✓

TO Dr. David Rogers
Biology Department

FROM E. R. Krueger, Computing Center *ERK*

SUBJECT Un-sponsored Faculty Research Funds

DATE 11 November 1972

UNIVERSITY OF COLORADO

*Interdepartmental
Memorandum*

Your total request for funding of computer based research has been reviewed by the Computing Center Advisory Committee, with the following action being taken. Your total allocation for fiscal year 1973 has been increased to \$1,000. This allocation does not infer a commitment of University support beyond the current fiscal year.

ERK:gd

cc: H. Smith

NATIONAL SCIENCE FOUNDATION
WASHINGTON, D. C. 20550Office of Science Information Service

31 OCT 1972

In reply refer
to: P2N0122Prof. William A. Weber
University of Colorado Museum
University of Colorado
Boulder, Colorado 80302

Dear Prof. Weber:

We regret to inform you that the National Science Foundation is unable to support your proposal entitled "A Data Retrieval System for the Bryophyte Herbarium."

In evaluating each proposal submitted to the Foundation, a number of factors are considered. They include the following: the scientific merit of the proposal and its merit in relation to other proposals received by the Foundation in the same general field of investigation; the distribution among fields of investigation within the program of the Foundation; the geographical distribution of support by the Foundation; and, finally, the funds available for the support of projects. Thus, many excellent proposals cannot be supported for reasons aside from intrinsic merit, although this is an important consideration.

Even though we are unable to support this proposal, we would be pleased to consider other proposals which you might wish to submit.

Sincerely,

Andrew A. Aines
Acting Head

Copy to: Prof. David J. Rogers ✓

UNIVERSITY OF COLORADO
OFFICE OF UNIVERSITY-INDUSTRY RELATIONS
BOULDER, COLORADO 80302

September 27, 1972

REGENT HALL 301

TELEPHONE 443-8211
EXT. 8211

MEMORANDUM

TO: David Rogers, Professor of Biology

FROM: Ronald D. Lemon, Director, Office of University-Industry Relations

SUBJECT: University of Colorado Facilities Directory

One of the objectives of the Office of University-Industry Relations is to assist in the economic growth of Colorado by fostering a better understanding of the resources of the University of Colorado and utilization of those resources by business, industry, and government in Colorado. We hope to accomplish this objective by helping to identify and establish practical working relationships between the University and the business community.

One of the first steps toward this objective is to define systematically the University resources of interest to business, industry, and government. We are in the process of identifying these resources to be published in an annotated University of Colorado Facilities Directory stating their purpose and availability. Since we are including only those resources that may be of direct interest to the off-campus business community, we are being very selective which resources are included.

We believe your program should be represented. Attached is a draft summary of your program which we would like you to approve or revise. The narrative should explain (preferably in one page, two pages maximum) what your program is, how it may be utilized by the business community, and who to contact for further information. The title page, introduction, proposed Table of contents, and sample page for the directory are attached for your information.

We need to have your revised copy not later than October 9, 1972. If you have any questions, please telephone me at ext. 8211.

Copy of Abstract returned to Lemon Oct. 4/72

DRAFT

UNIVERSITY OF COLORADO

FACILITIES DIRECTORY



prepared by

The Office of University-Industry Relations

FACILITIES DIRECTORY
Office of University-Industry Relations, University of Colorado

FACILITIES DIRECTORY

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Department of Molecular, Cellular and Development Biology

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Contract Research
Travel Reference Center
Census Summary Tape Processing Center
Colorado Business/Economic Data Bank
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FACILITIES DIRECTORY
Office of University-Industry Relations, University of Colorado

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 - Student Employment Services
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 - Music
 - Theatre
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FACILITIES DIRECTORY
Office of University-Industry Relations, University of Colorado

INTRODUCTION

One of the objectives of the Office of University-Industry Relations is to assist in the economic growth of Colorado by fostering a better understanding and utilization by business, industry, and government in Colorado of the tremendous resources of the University of Colorado. We hope to accomplish this objective by helping to identify and establish practical working relationships between the University and existing business, industry, and government in Colorado.

One of the first steps toward this objective is to define systematically the University resources of interest to business, industry, and government. We have assembled in this facilities directory an annotated list of University resources, stating the purpose and availability of these resources.

We are making this directory available to organizations in the state who, through the nature of their work, come in frequent contact with business firms, industry and government agencies. We hope it will be a useful tool for these organizations to better identify and use the resources and facilities the University of Colorado has to offer.

FACILITIES DIRECTORY
Office of University-Industry Relations, University of Colorado

UNIVERSITY OF COLORADO

BOULDER, COLORADO 80302

DEPARTMENT OF
AEROSPACE ENGINEERING SCIENCES

September 18, 1972

Professor David Rogers
Department of Environmental,
Population, and Organismic Biology
Ramaley 110

Dear Dr. Rogers:

Let me express again how much I enjoyed your seminar last Friday afternoon and let me formally ask you to share with my class the material and thoughts that you presented.

Our Engineering Ecology class has 16 graduate students, mainly engineers. I think we all believe in using technology to solve our problems (and computers are what I might call sophisticated technology); we are learning that the problems and their solutions are complicated and would appreciate hearing about some successful examples. The class meets on Tuesday afternoon from 3:30 to 5:00 p.m. and on Wednesday evening from 7:00 to 8:30 p.m. It would be appropriate if you could talk to us sometime after October 3; by then we will have the necessary biological-ecological background for your material. I will call you to make a firm date.

Of course I will be happy to lecture to your class in the Spring. You can put me in your schedule right away, since I am not going to teach next semester I will be free. The topic? Let's discuss this.

Sincerely,

Elfriede
Elfriede I. Gamow

EIG/mp



UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

Office of the Director

15 September 1972

COMPUTING CENTER

Dr. Hobart M. Smith
Chairman
Department of Biology

Dear Dr. Smith:

Your request for funds to be allocated for work being done by Dr. David Rogers is addressed as follows:

1. Request for Dr. Rogers' students, requested amount - \$1000.

If this request is in connection with thesis research, the appropriate forms should be filled out and sent to this office for action. If the request is meant to cover independent study courses, funds allocated to the department for instructional course work must be utilized.

2. Faculty research request - \$1,500.

A request of this magnitude must be reviewed by the Computing Center Advisory Committee. In order that work may begin, a temporary allocation is authorized in the amount of \$200.

3. Preparation material for Biol. 573 (Taximetrics) - \$500.

Course development projects must be supported by the departmental course instructional allocation.

Please have Dr. Rogers call Mrs. Kruse at ext. 8137 for assignment of a faculty research number.

Sincerely,

E. R. Krueger

ERK:gd

cc: D. Rogers
H. Smith

#600 Can we get \$200-300 more none so far used -

is there any?

any

no extra here

is there any?

I think the \$600 level is awful - for so many student can this be amended upward? Cab

(1) Faculty Research: Application process

~~556~~ 556 N
#200.

NO actual forms

→ Request: proposal through chairman

letter form

memo from DIR-K

Attach

describe research

→
Advisory Board

Jerry Darr
8031

(2) Instructional fund:

Tax metric 573

Course Development

~~557~~ 557

Amount billed later

9/25/72 Hubert Smith Okay \$600 so far

Sept. 12, 1972

Dr. E. Rex Krueger
Director, Computing Center
Res. Building 3, Rm 157
University of Colorado
Boulder, Colorado 80302

Dear Dr. Krueger:

Request is made herewith for allocation of \$3000 of computer time for the academic year 1972-3 to Dr. David Rogers, whose needs for this period I did not adequately anticipate last year since he was away on a Faculty Fellowship. Computer usage forms a major part of Dr. Roger's activities, both in teaching and research. Indeed, he is giving a seminar this week summarizing some of his recent research. You would be very welcome if you could spare the time. Major grant funds have been available in the past, are not now available but are expected in the future.

The sum requested is intended to fulfill needs in 3 areas:

1. special study by two of Dr. Rogers' students, namely Wm. Reid and Gilbert Hersch, learning the techniques of information management. Estimated need - \$1000.
2. a pilot research project for which grant funds will be solicited upon completion of the basic format, on genetic resource data management - an area of expected research for him for some time in the future. Estimated need - \$1500.
3. preparation of material to be used next semester in Biol. 573 (Taximetrics). Estimated need - \$500.

Your favorable consideration of this request would be greatly appreciated.

Very sincerely,

Robert M. Smith
Chairman

HMS:ww

cc: Dr. Dave Rogers

Encl.



Harper & Row, Publishers, Inc.

New York Evanston London San Francisco

10 East 53d Street, New York, New York 10022

December 28, 1972

Dr. David J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 90302

Dear Dr. Rogers:

Thank you for taking the time to send us
back the Radford et al: VASCULAR PLANT SYSTEMATICS
manuscript. Enclosed is a check to reimburse you
for the postage. (354)

Sincerely,

Nancy LaMarsh
Secretary to
Mr. Alvin Abbott
Editor
Biological Sciences

nlm/enc.

SCHOOL OF ENGINEERING
STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

DEPARTMENT OF INDUSTRIAL ENGINEERING

27th December 1972.

Dr David J. Rogers,
Dept. of Environmental Population and
Organismic Biology,
University of Colorado,
Boulder, Co. 80302.

Dear Dr Rogers,

As I indicated to you on the 'phone last week, I have now made a firm commitment to a job with the N.S.F. in Washington, D.C. The work will entail developing methodologies to assess the externalities associated with technological innovations and policies to encourage their acceptance, so I do not feel that I am deserting the nutrition ship entirely.

I would like to express my thanks to you for the opportunity that you made available to work with yourself and your group. I was extremely tempted and I know I would have enjoyed the experience and been the wiser for it. However, a job with a university unfortunately does not provide much assistance at the end of my allowable eighteen months of practical training when I apply to the Immigration Dept. for a permanent residence visa. This factor was a major influence in my decision.

Thank you for all the time and trouble you must have taken on my behalf. I hope that further opportunities to work together will arise that are not so artificially constrained, and I look forward to keeping in touch.

My regards to Gil, and best wishes to you all for 1973.
Yours sincerely, Andrew H. Pettifor.



The University of Birmingham

DEPARTMENT OF BOTANY

The University of Birmingham, P.O. Box 363, Birmingham B15 2TT
Telephone 021-472 1301

Mason Professor of Botany, J.G. Hawkes Sc.D.

David J. Rogers,
Professor of Biology,
Taximetrics Laboratory,
Department of Biology,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

JGH/CP

21st December, 1972

Dear Dave,

I enclose herewith a copy of my reply to Glendinning who seems to have not quite got the hang of what we require. He tells me that he has sent a copy of his letter to you and you will therefore know what I am talking about in this letter. If you wish to make any further comments you might perhaps like to write to Glendinning direct.

Best Wishes.

Yours,

J. G. Hawkes.

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

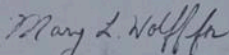
December 19, 1972

Dr. David J. Rogers
University of Colorado
Environ., Population & Organismic Biology
Taximetrics Laboratory
Boulder, Colorado 80302

Dear Dr. Rogers:

Your proposal has been assigned to the Genetic Biology Program of the National Science Foundation. We shall keep you informed of progress in the review of your proposal, and we shall notify you regarding our ability to support your work as soon as possible.

Sincerely yours,



Margaret Lieb
Program Director for
Genetic Biology

P3B1480 Information Management in Genetic Resource Centers

STATE OF COLORADO



John A. Love
Governor

AGRICULTURAL COMMISSION

Chairman
Kenneth G. Wilmore, Denver

Vice Chairman
Terence Hall, Akron

Clinton E. Jeffers
Commissioner

COLORADO DEPARTMENT OF AGRICULTURE

406 STATE SERVICES BUILDING
1525 SHERMAN STREET
DENVER, COLORADO 80203

Anius Sam Andersen, Ault
M. C. McCormick, Holly
Miles Davies, Deer Trail
Clarence Stone, Center
Frank Bulla, Grand Junction
William A. Stephens, Gypsum
Raymond B. Crowley, Denver

Donald L. Svedman
Deputy Commissioner

December 19, 1972

Mr. David J. Rogers
Taximetrics Laboratory
Department of Biology (EPO)
Hale 114
Boulder, Colorado 80302

Dear Mr. Rogers:

I was visiting with Gill Hersh Sunday and we got onto the subject of the proposed international seed information program you are currently working on. Since I have been the state seed inspector for the past six years and am basically familiar with many aspects of the seed world, I am interested in the many possibilities a program of this nature could offer, not only to the science world but also sales. I can think of several cases where I have been contacted by various firms in search of a particular grass and/or brush species, that would perform in a specific manner in a specified area and inquiries as to the storability of a certain species which is Dr. Bass's territory at the national seed storage lab at Fort Collins. It would be convenient to feed information of this nature into a system and have an answer, if one is available, without going through all the research that is sometimes necessary to supply the requested information.

Since the Plant Variety Protection Act is now a reality, I would think plant breeders could utilize this type of system in eliminating at least some duplication of effort in basic research or locating germplasm or even recording protected varieties and making available their performance data.

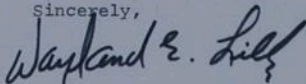
Gill also mentioned that Dr. Bass was participating in the program in the capacity of an examiner. I would imagine he is enthusiastic from the standpoint of storage information becoming readily available.

Mr. David J. Rogers
December 19, 1972
Page 2

A program of this nature could hold untold possibilities for the seed industry if and when it becomes a reality. If you have need of additional participants to serve as examiners or similar capacities, I would like to be on your list of those considered. My qualifications may not be up to your standards though since I am not a Ph.D. I have worked on farms and ranches since my childhood and in 1966 received my B.S. in range management, then in late 1966 accepted my current position as Chief of the Seed Inspection Section and the State Weed and Insect Control Program for the Colorado Department of Agriculture.

Gill also offered to send some progress reports which I will appreciate receiving.

Sincerely,



Wayland G. Lilly, Chief
Seed Inspection Section
Colorado Department of Agriculture

WGL/gc

CSIRO

AIRMAIL

DIVISION OF PLANT INDUSTRY

P.O. BOX 1600, CANBERRA CITY, A.C.T. 2601 TELEPHONE 48 7722 TELEGRAMS PLANTINDUSTRY, CANBERRA TELEX 62351

OHF:PT

Ref:

15th December, 1972

Professor D.J. Rogers,
Project Coordinator,
Gulf Universities Research Consortium,
GURC Field Office,
NASA/Mississippi Test Facility,
Bay St. Louis, Mississippi 39520, U.S.A.

Dear Dave,

I hear from FAO that Jorge has written to you critically about the abstracts by Snoad and Seidewitz; I have not seen the copies. I am concerned about them since these papers are to be the basis of chapters in the book - unless it is decided to combine some or all contributions in your section into one chapter. This Jack Hawkes and I will be discussing with you in Rome.

In the meantime a few comments on these two.

1. Snoad. First, we cannot start every paper with a restatement of the well known position of gene pools. Hence most of paragraph 1 is unnecessary. Second, I do not know what the statements made in the second paragraph contribute to knowledge. At the top of page 2 he promises "defining a gene bank and some of its functions". That certainly is not his function; if you find it necessary to clarify any doubtful issues, you should do so in your own introduction, although I feel this might not be profitable. The overall "definition" arises from the purposes, and these will amply emerge from the operational considerations. My feeling is that Snoad should confine himself to documentation issues. The interrelations of gene banks in general, are the subject of the 7th section. But their relations with regard to documentation are very much the subject of your section. Indeed, this was deliberately placed ahead of the next one, since documentation could constitute a very important link between gene banks. It was logical to discuss this aspect ahead of the general (and partly political) aspects. I think this abstract is wrong almost from start to finish.

I do not think there is much wrong with Seidewitz's abstract, apart from its length, and of course its title. We cannot have a report on the activities of individual centres. If you want him to deal with his "descriptors" and "thesaurus" - well and good. The paper should be called appropriately, and start somewhere on the lower half of p.1, and briefly set out the aims and objectives, with the minimum of detail.

With best wishes for Xmas and the New Year.

Yours,
Dictated by Dr. Frankel
and signed in his absence

(O.H. Frankel)

Scottish Plant Breeding Station

Pentlandfield, ROSLIN

Midlothian

EH25 9RF

Telephone 031-445 2171

Director—N. W. SIMMONDS, Sc.D. A.I.C.T.A., F.R.S.E., F.I.Biol.

Secretary—R. J. L. GALLIE, F.C.I.S.

Your Ref.

Our Ref. DRG/JBS

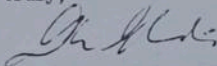
15th December, 1972

Dr. Dave Rogers,
Department of Environmental,
Population and Organismic Biology,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

Dear Dr. Rogers,

In response to the request from Professor Hawkes for information concerning the Commonwealth Collection to be sent to you, I have prepared the attached in the form of a letter to him, copied to you. I hope you find that it provides what you require; if not, please let me know how I can be of further assistance.

Yours truly,



D.R. Glendinning.

Enc.

FLORA NORTH AMERICA



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Systems Development Manager

December 12, 1972

Dr. David J. Rogers
Dept. of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

As you may know, the National Science Foundation, Smithsonian Institution, and the Canadian government have now provided the initial funding and facilities for the Flora North America program to proceed. Because of your special interest in the genus Manihot, I am writing on behalf of the FNA Editorial Committee to invite you to contribute the treatment of the Manihot for the Flora.

If you accept this invitation, a Guidebook for Flora North America will be sent to you soon after the first of the year. The Guidebook will spell out the relationship between you as a contributor and the program as a whole. In the meantime, you may use Flora Europaea as a general guide in constructing keys and concise descriptions that will appear in the printed Flora. A limited number of additional characteristics also will be solicited for each species for entry into the data bank, and these will be specified in the Guidebook.

Please let me know your decision by 10 January so that, should you decline, other researchers may be sought for the group. If you are interested in contributing treatments of other groups for the Flora as well, would you please indicate these in your letter of reply?

The Flora is to be a distillation of the best information available about the plants of the area. All manuscripts will be circulated widely for review and subject to editorial revision in consultation with the author. As the family editor for the Euphorbiaceae, I will work with you to coordinate the review process after you have submitted your manuscript.

I hope you will find it possible to join us in this program and I am looking forward to working with you. If you have any questions concerning this invitation, please let me know.

Sincerely yours,

John H. Beaman
Editor, FNA
Department of Botany and
Plant Pathology
Michigan State University
East Lansing, Michigan 48823

JHB:ng

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FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. AGPB - PL 7/40

In reply to the invitation for
reference and date of this
letter

DEC 5 1972

Dear Dave,

... Enclosed are two abstracts, one by Snoad and the other
by Seidewitz. Before sending them to be printed, I am forwarding
them to you for editing.

Snoad's seems to cover the whole spectrum of genetic resources.
Let us hope that he does not take the short time he has to discuss
all the obvious matters he mentions in the abstract. Seidewitz's
is, in my opinion, good in the essentials, but you may like to
put it into better English. Sorry to disturb you on these matters,
but they are under your section.

With best regards,

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'Jorge León'.

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

Prof. D.J. Rogers
Department of Biology
University of Colorado
Boulder
Colorado 80302
U.S.A.



WAKE FOREST UNIVERSITY

WINSTON-SALEM, NORTH CAROLINA 27109

Department of Biology

5 Dec. 1972

Dr. David J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers,

I have recently learned about a computer program from Mr. Richard McWilliams which I feel could be very useful to me in my research. Mr. McWilliams has indicated to me that I should contact you with regard to obtaining the program, or at least information about it. I believe it goes under the name of Taximetrics, and it would be useful to me if it can perform a clustering operation using quantitative data from plants such as is ordinarily gathered in a numerical taxonomic problem.

I would very much appreciate some information about the program in question. Specifically, where is it available and what is the cost? It sounds to me from my conversation with Mr. McWilliams that this is exactly what I need and I would be curious to know whether it has been used in taxonomic research in your department.

I look forward to hearing from you at your convenience.

Sincerely,

Frank F. Willingham, Jr.
Dept. of Biology



Fac. *de Ciências Médicas e Biológicas de Botucatu*

Caixa Postal n.º 102
BOTUCATU - SÃO PAULO - BRASIL

Dr. David Rogers

GURC

Bldg. 1100 Room B 313

MISS TEST Facility

BAY ST. Louis

Mississippi 39520

Botucatu, Dezember 4, 1972

Dear Dr. Rogers,

On February 17, 1972 I sent a letter and under a separate cover a parcel with one specimen of *Manihot* of the Brazilian Cerrado to Your old address in Boulder, asking for identification of this specimen, because you are a specialist in this genero.

The letter returned with your new adress on it, but I wonder what has going on with the plant.

Please be as kind as to inform me as soon as possibel.

I am working ecologically on Brazilian vegetation, ~~xx~~ specially on Cerrados and therefore I depnd exclusively on the help of specialists. waiting for your answer I remain

Yours sincerely

Ilse S. Gottsberger

Depto. de Botânica

DIRECTOR
P. C. SPENSLEY, M.A. *etc.*
D.Phil., F.R.I.C.

Foreign and Commonwealth Office
OVERSEAS DEVELOPMENT ADMINISTRATION

TROPICAL PRODUCTS INSTITUTE

Our ref.:

56/62, GRAY'S INN ROAD,

Your ref.:

LONDON, WC1X 8LU

Telephone: 01-242 5412

Telegraphic: Troprods, London

4th December 1972

Dear Dave,

I am in the process of writing a review, for a meeting to be held early next year, on the importance of cyanide in the use of cassava as food. For this, I naturally want to be as up-to-date as possible on my taxonomic ideas in introducing the crop, and so I am writing to you to ask whether you have got anything in print later than the 1970 Hawaii Symposium paper - I remember in particular you said when we met in New Orleans that you had a massive paper coming out in, I think, Econ.Bot.; even if it is not yet out you may be able to advise me of some partial reference, that would be of use if quoted as 'in press'

Further, what are your views on the taxonomic implications of cyanide content? Do you have any definite information on variability as associated either with particular strains or varieties, with climatic or cultural variations, or indeed with anything else. How much would you consider cyanide content genetically determined, for example? Any information, references you can give me would be greatly appreciated: most of the paper will be concerned with the elimination of the cyanide in preparing food, etc., but I do want to get my 'background' facts right, as well, and refer to the most recent relevant literature.

In last years' Root Crop Newsletter, there was a note about a Symposium on Manioc in Lowland South America, organised by the American Anthropological Association. I have been meaning to write to you before about this - I see that you had a paper there - but having been away most of the summer since we last met (when I forgot about it) I have not had the opportunity. Could you let me have a copy of the paper you gave there? Also, if you have copies of those given by Karl Schwerin and by Donald Lathrup, I would be most appreciative if you could either copy them for me, or send me the originals, which I could return. Schwerin's paper in particular sounds from the title highly important for me to see in connection with the paper I am currently writing. Are there any plans to publish this material? The note merely says that one should write to individual authors, but it is possible that there are plans for a Proceedings, of which you, as an author would presumably know.

I do hope you can be of some assistance in this matter; I would emphasise that, as far as the cyanide paper is concerned, I have got to finish it before Christmas.

With the complements of the seasons to yourself and your good lady.

Yours,

Paul

HAFNER PUBLISHING COMPANY, INC.
A GCM COMPANY
866 Third Avenue, New York, N.Y. 10022

December 1st. 1972.

*Ask Harry to notify
Bill Jones when
ready -
also get some
advertisements -*

Professor David J. Rogers,
Professor of Biology
University of Colorado,
Boulder,
Colorado 80302.

Dear Dave,

Thank you for your letter of November 22nd.
The price for Flora Neotropica No. 13 is \$23.75. It will
be a fairly large Monograph, hence the price. Of course
you will receive 10 free copies, if you need more get in
touch with me. I am sure we can work out something
pricewise.

I was happy to hear from you and in going
through my files I find that I wrote you in September 1971
about your book on Economic Botany. Was it ever published?
I also asked about Wilson Popenoe's book Manual of Tropical
and Subtropical fruits. I have received quite a few opinions
for and against reprinting it.

Can you help, is it really worth it, or is it
so hopelessly out of date that I should forget it?

With kind regards,

Sincerely yours,

Harry
Harry Lubrecht
Vice-President.

HL/emg

*Write
Bany
Nestle -*

12/4/72

Sobu, no. 100

UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

November 30, 1972

DEPARTMENT OF BIOLOGY

Dr. Frank Martin
Federal Experimental Sta. USDA
Mayaguez, Puerto Rico 00708

Dear Frank:

Enclosed is the manuscript I threatened to send
to you later. I hope it is satisfactory.

Best regards for the Christmas Season.

Sincerely,

Dave

David J. Rogers
Professor of Biology

TN

Dear Dave -

Thanks for your M.S. It looks good to me
and is very much appreciated for the newsletter.

Frank

JODRELL LABORATORY

ROYAL BOTANIC GARDENS
Kew, RICHMOND, Surrey, England TW9 3DS
Telegrams: Kewger, Richmond, Surrey
Telephone: 01-940 1171

Please address any

enquiries

and quote:

Your reference:

Prof D J Rogers
Dept of Biology
University of Colorado
Boulder
Colorado 80302
U S A

29 November 1972

Dear Dave

Thank you for your letter giving me news of developments concerning Taxir. I am keeping in close touch with Professor Hawkes, and shall be most interested in the progress of his pilot study.

We have now made an appraisal of our needs in relation to the seed bank at Kew, and are embarking on a feasibility study with the people concerned with computer facilities in the Ministry of Agriculture. Until this is completed we will reserve our position on Taxir, but it is becoming increasingly obvious that data handling facilities will be needed on a scale and of a type which would be appropriate to a programme such as Taxir or its derivative Bnvar.

I will let you know of any further developments.

With all best wishes,

Yours sincerely


J Thompson

COPY

CIMMYT
México 6, D.F.
Londres 40 - 1er. Piso

November 27, 1972

Dr. David J. Rogers, Professor
Department of Environmental,
Populations and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

I have just received your memorandum of November 16th. reminding the participants in the FAO/IBP Technical Conference on Crop Genetic Resources that the deadline for the submission of abstracts is November 30th. I believe it was sent to me by mistake since on November 10th. I notified you that I would not be able to participate in the Conference. I hope you received my letter but in case it did not arrive, I am sending the enclosed copy.

Sincerely,

Mario Gutiérrez G.

enc.
c.c. Dr. Jorge León A.
MGG/iv

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

November 22, 1972

Dr. David Rogers
University of Colorado
Taximetrics Lab. - 8598
Boulder, Colorado

Dear Dave:

We have been retting and fermenting the thoughts raised in the series of discussions with you and Gil Hersch during your recent visit. We haven't produced a set of ideas packaged as well as Chickwangué, but I want to communicate what we think the project should achieve so that you can respond in your revised project design.

We want to understand fairly well the functions of a food system -- from production through consumption -- for cultures dependent upon cassava as a main/major staple. The objective is to uncover points in this food system where changes can be made which will improve nutrition. We agree that the systematic approach you outlined for us -- a descriptive model focused primarily but not exclusively on the role of cassava in the food system -- can achieve the objective. Principle number one: produce a good model.

To produce a model which adequately describes the complex relationships involved in the food system, it would be foolhardy to look at more than one country by next August.

If you try to extend yourself to more than one country, you may produce some interesting information but risk the quality of the model. So, principle number two: concentrate on a single country. For the moment, let us assume that the country will be in West Africa -- Ghana or possibly Nigeria; however, we still need to pursue the question of which country during the next few weeks.

When the model is produced, what will we do with it? We have decided that the first step should be to verify that the model is on the right track by exposing it to a group of cassava experts in a workshop session. We

would like you to plan, arrange and run the conference. Assume that the conference will last one week during August 1973, and be held in Kinshasa. Your budget should include all costs of the conference except the travel and per diem of the other participants.

As we have discussed, your revised project design should present two alternative budgets, both covering costs of building the model and the conference. I realize that the conference was not anticipated when the \$18,500 was committed for your contract; however, we were anticipating the costs of four country studies instead of one. So, two budgets: one for \$18,500, and the other demonstrating the cost/benefit of a better model and a better conference.

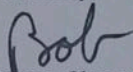
We are assuming that the bulk of time invested in the project will be shared by you and Gil Hersch, with Gil performing most of the field work and actually constructing the model.

We look forward to seeing you on December 12 when you intend to be in Washington. Would you please invite Gil to be here also - with his travel charged to the project - because we intend to set up a briefing session for several people in A.I.D. on that Tuesday afternoon. It would be useful to have your revised project design with the alternative budgets by December 5.

If any of my comments trouble you, let me know right away (202-632-3958) so that we can keep on the same wavelengths.

Best regards.

Sincerely,



Robert Simpson
Office of Nutrition
Technical Assistance Bureau

Clearance:

TA/N, I. Hornstein (draft)
TA/N, H. Rice (draft)
TA/N, M. Forman (draft)
TA/N, A. Pound (draft)

CC: TA/PM, S. Sharp
AFR/TAC, P. Lyman
AFR/CWA, G. Eason

November 21, 1972 received

from (John Innes Institute) B. Snoad

thanking Dave for note in regards to address
to which the abstract for the Rome Conference
should be sent.

Original letter filed in the IN file



The University of Birmingham

The University of Birmingham, P.O. Box 363, Birmingham B15 2TT
Telephone 021-472 1301

From: Professor J. G. Hawkes, Sc.D.
Department of Botany.

JGH/AC

15th November, 1972

Dr. D. J. Rogers,
Professor of Biology,
Department of Environmental, Population
and Organismic Biology,
University of Colorado,
Boulder,
Colorado 80302,
United States of America.

Dear Dave,

Many thanks for your letter of 31st October and for sending me a reworked copy of the proposal for a pilot project, which I will have copied and send to Jorge and Otto. I have now received replies from Simmonds and Sawyer, who tell me that they will be very happy to collaborate with us in this pilot project. They are planning to write to you directly and I hope you will already have heard from them. If nothing is received within the next few weeks perhaps you would write back to me and I will try and jog their memories.

I think we are talking about slightly different things when we mention the word 'examiners'. I had assumed that you meant a permanent panel to be set up for the major work of information, storage and retrieval on a world scale. I now understand that you are referring to the pilot project only and I, therefore, agree that this panel should be limited to the people mentioned, including also Hermsen or Lamberts from Holland.

I am sorry about the final copy of the Birmingham Workshop Report, which you have not received. The reason for this is, I am afraid, that I have been very remiss in not finally drafting out a report about this meeting. I shall do it shortly and shall then send you a copy. In any case, in a short while I will send you the final draft of the resolutions.

With best wishes,

Yours sincerely,

J. G. Hawkes.

COPY

CIMMYT
México 6, D. F.
Londres 48 - 3er. Piso

November 10, 1972

Dr. David J. Rogers
Department of Environmental,
Populations and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

Thank you very much for your letter of October 17th and the information regarding the FAO/IBP Technical Conference on Crop Genetic Resources and the list of topics and participants on the section dealing with documentation.

I regret not to be able to accept your kind invitation but will be very interested in learning of the discussions and recommendations and will try to implement them to the greatest extent in the operation of CIMMYT's maize germplasm bank.

Should you need an alternate speaker, I would like to suggest Dr. Joe C. Craddock who is in charge of the small grain collection of the U.S.D.A. and has far more experience on documentation than I do. His address is U.S.D.A., Agricultural Research Service, Plant Genetics and Germplasm Institute, Grain Collection Building 046, Beltsville, Maryland 20705.

Sincerely,

Mario Gutiérrez G.

MGG/iv



in reply please mention the
reference and date of this
FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. AGPE - PL 7/40

NOV. 10 1972

Dear Dave,

FAO Technical Conference on Crop Genetic Resources

As time is pressing on, I feel I should remind you that we need to receive copies of the abstracts of papers before 30 November in order to have them in time for translation and printing.

I suggest that you ask the contributors in your section to send you a duplicate of their abstracts as soon as possible, and please be good enough to edit these and make sure they conform to the maximum length of 500 words. We shall not go ahead with the preparation of any abstracts received here, without approval from the appropriate section organizer.

With best regards,

Yours sincerely,

Jorge León
Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

- Prof. D.J. Rogers
Taximetrics Laboratory
Department of Biology
University of Colorado
Boulder, Colorado 80302
U.S.A.

P.D. Many thanks for
your excellent paper
in your. *J*

JOHN INNES INSTITUTE

COLNEY LANE, NORWICH, NOR70F

Norwich S2571

B5/td

5th November, 1972.

Professor D. J. Rogers,
Taximetrics Laboratory,
Dept. of Biology,
University of Colorado,
Boulder, Colorado 80302
U.S.A.

Dear Dave,

Many thanks for your letter of 31st October. I am quite relieved to know that I shall only be required to talk for a maximum of 30 mins at the Rome meeting. This seems far more realistic for an introductory paper.

I will do my best to prepare an abstract by the end of November and a full draft two months later. By the way, where shall I send all this in Rome - to Erna Bennett at FAO perhaps?

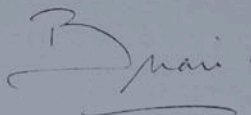
It would obviously help me to know something about the content of the subsequent papers and so I would appreciate being kept informed with copies of abstracts etc., if possible.

By the way, I heard this week from Lothar Seidewitz that they are having problems with running TAXIR on their Siemens computer. He has even asked for the Pisum program in order to try using it on their IBM 1100 which I think would be a very retrograde step. As you know, the Pisum scheme is fixed format and very crop-specific and would require a fantastic amount of work to accommodate the amount of information which I assume has been collected by now in Braunschweig. Presumably someone from Germany needs to spend some time in Colorado in order to understand the conversion.

I was pleased to hear that the hot potatoes have cooled down and that progress is being made with the pilot study. Also its good to know that data are forthcoming from Fort Collins.

Best wishes,

Yours sincerely,



B. Broad.
Dept. of Applied Genetics.



Ministry of Overseas Development

TROPICAL PRODUCTS INSTITUTE

56/62 Grays's Inn Road London WC1X 8LU

Telegrams Tropods London WC1

Telephone 01-242 5412 ext

Director P C Sponslay
MA BSc DPhil FRIC

Professor D. J. Rogers,
Biology Department,
University of Colorado,
Boulder,
Colorado 80303,
USA

Your reference

Our reference

Date 9th November, 1972

Dear Dave,

Thank you for your letter of 11th October, 1972 and my apologies for not having written before. I have been away from the office practically the whole Summer since we last met in New Orleans, and because of this I have done virtually nothing in pushing forward work on this possible cassava book, or indeed on anything else.

However, I got back from my last trip to South America during October and I do not intend to be away again until well into 1973 so I hope that in the next few weeks I shall be able to get down to something on this matter. I have heard that Dr. Findlay, who I was formerly dealing with at Longman's has now left, so I shall have to start building up some new contacts with that firm. However, I hope this will not present too many serious difficulties. I do not think in fact there is any likelihood that Longman's will not produce the book for us, but I quite agree with you that it is desirable to have something in writing from them before we go any further.

With kind regards,

Yours sincerely,

D. G. Coursey

DATE:

GARDEN:

INSTITUT FÜR PFLANZENBAU UND SAATGUTFORSCHUNG
FORSCHUNGSANSTALT FÜR LANDWIRTSCHAFT BRAUNSCHWEIG-VÖLKENRODE

Direktor: Prof. Dr. D. Bommer

Genebank

Institut Pflanzenbau FAL 33 Braunschweig Bundesallee 50

Professor of Biology

Dr. David J. Rogers

Taximetrics Laboratory

University of Colorado

Boulder, Colorado 80302

USA

Ihre Zeichen	Ihre Nachricht vom	Unsere Zeichen	Telefon 05 31 / 59 61 Durchwahl 59 6	Datum
	10-23-72	Sei/Sp 12-24/2	375	8. Nov. 1972

Dear Dave,

Thank you for your letter of October 23rd, 1972.

The suggested outline for my paper comprises following points:

1. Organization of genebank data at Braunschweig-Voelk~~e~~enrode.
Presentation of forms for data uptake referring to general
(non-cropspecific) and crop-specific information.
2. Experience with computerized data storage and retrieval.
3. Presentation of a pilot model for a multilingual thesaurus
with suggested rules for standardization of descriptor states.

The Izmir report was sent to Prof. J. Hawkes, Birmingham and Dr. Lamberts, Wageningen, from where I expected the report to be disseminated. Calvin Konzak has had a look on the report together with Prof. Porceddu before it was sent off.

Looking forward to seeing you soon I remain,

with best regards,
sincerely yours,

(Lothar Seidewitz)



FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. PL 2/8

Nov. - 8 1972

From: Sir Otto Frankel, c/o Dr. J. LeGn, AGPB

AGP REGISTRY

Permanent address:

In reply please mention our
reference and date of this
letter

CSIRO Division of Plant
Industry, P.O. Box 1600,
Canberra, A.C.T. 2601
Australia

Dear Professor Rogers,

Thank you for sending me a copy of your proposal for a pilot project on documentation of information of genetic resources centres. Such a study is needed to demonstrate the operational procedures which will be important as the movement toward a global network of genetic resources centres gets into the planning stages. From the statement of the proposed pilot project, which was recommended by the Birmingham Workshop on Information Systems for World Genetic Resources, I think you have covered most of the salient points which should be included in such a pilot study.

Since you will be explaining the pilot study at the forthcoming Technical Conference on Crop Genetic Resources in Rome in March 1973, we will have an opportunity to assess the benefits from such a system. I understand that you have volunteered your services, and those of your laboratory, to accomplish the work of the pilot project. I trust that you will be able to find sufficient funds to cover your expenses, but I must say that this letter does not constitute any agreement on my part as to official IDP sanction and/or financial obligation.

Yours sincerely,

O.H. Frankel
Convener, Committee on Plant Gene Pools
International Biological Programme

Professor D.J. Rogers
Taximetrics Laboratory
Department of Biology
University of Colorado
Boulder, Colorado 80502
U.S.A.

6226, Mistahick on
Ave.

Philo 801 plina

Penna - 19144

Nov. 6, 1972

photocopy of
document
in press

Dr. David J. Rogers

Dear Dr. Rogers:

I am a graduate student at Temple
University and am interested in the origins
and study of manioc. I understand
you presented a paper at the 1971 ^{copy sent me}
A.A.A. meetings on the origins of manioc.
As I have found your other articles
very helpful I would like to read
this one also. I would very much
appreciate it if I could borrow or be
directed to a copy of this material.
I look forward to hearing from you.

Sincerely,

Catherine N. Shelton

SCHOOL OF ENGINEERING
STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

DEPARTMENT OF INDUSTRIAL ENGINEERING

November 3, 1972

Dr. David Rodgers
Department of Biology
University of Colorado
Boulder
Co. 80302

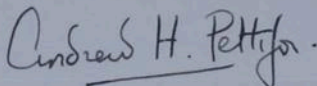
Dear Dr. Rodgers,

I have now completed my degree and enclose an abstract for your perusal. The thesis is being published by the Department as a technical report, and I will send you a copy as soon as it is available.

So far no suitable job openings have materialized that will utilize my background and skills and allow me to develop experience in the problems of nutrition in the developing countries. Dr. Rice has suggested my asking about the possibilities of a post-doctoral or research position with your group, which I believe would be most stimulating.

I look forward to hearing from you, and please give my regards to Gil.

Yours sincerely,



Andrew H. Pettifor

PREDICTING LOCAL RESPONSES TO
DEVELOPMENT PLANS

Andrew Hayward Pettifor, Ph.D.
Stanford University, 1972

The attainment of many goals of national development requires the population to accept new ideas, habits or techniques. This study presents a procedure for determining the degree of success that can be expected from different programs designed to meet such development goals. Since, ultimately, any such program that is successful depends upon individual acceptances, this procedure approaches the analysis at a micro level.

Many important issues in development planning cannot be analyzed in isolation, but require consideration of the interrelationships and interdependencies of a variety of economic, social, technical, and psychological factors. The procedure presented in this study begins by providing a framework for the explicit analysis of all these relationships. The relevant environment within which the individual must act is modelled as a sequential decision process. Each program is structured as a sequence of alternatives which the individual must evaluate on the basis of his present knowledge both of the environment and the expected outcomes of each of the alternatives, assessed subjectively according to his degree of risk aversity.

To model the evaluation of outcomes that cannot be reduced to a single common denominator (e.g., dollars), it is hypothesized that

individuals are satisficers. To be acceptable, therefore, a new alternative must promise at least no less than the current level of certain critical outcome components. Since preferences and critical outcome component levels will vary among individuals, the procedure next develops a means to use this model of an individual's evaluation of alternative programs to predict program acceptability to a whole population.

It has been shown that when individuals are placed on a scale according to their propensity to accept new ideas in a particular field, then the characteristics of individuals in specific sections of this scale are distinct, consistent, and, for agricultural changes at least, known, so that we can identify these groups by means of their characteristics. On this basis it is possible to classify alternative programs into one of three collectively exhaustive and mutually exclusive subsets: "good" programs, predicted to be acceptable even to the least innovative group, and, thus, by implication, to everyone; "bad" programs, predicted not to be acceptable even to the most innovative group, and, thus, by implication, to no one; and marginal programs, predicted to be acceptable to the most innovative but not to the least innovative. Sensitivity analysis readily determines the stability of these predictions to changes in the alternatives or uncertainties in the data.

As an example of a potential application of the procedure, the factors that might affect the nutrition levels in a rural family in a developing country are modelled. A submodel is successfully completed

using Kenyan statistics to illustrate the kind of data required, its manipulation, and the sort of results that can be expected.

The utility of this approach is that it permits a change agent to assess the acceptability to the population under consideration (e.g., village farmers, local merchants, high school students) of proposed programs that depend upon local acceptance for their success. Multi-attribute utility functions are unnecessary; indeed, only present levels of the attributes must be known, and only for samples of small, clearly identified subgroups of the population. Thus, the methodology developed provides a feasible technique for improving resource allocations in many areas of economic development (e.g., health care and population planning, agricultural production, small industry support, education planning).

ARIZONA STATE
UNIVERSITY

DEPARTMENT OF ANTHROPOLOGY

TEMPE, ARIZONA 85281

November 2, 1972

Dr. David J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

I have just received from Carol Tidwell of the Computer Center a copy of a letter from you requesting information concerning individuals in the Anthropology Department who have been utilizing the clustering program. The three main users have been:

- Letters to*
- ① *Dr.* Richard McWilliams, for dissertation research Department of Anthropology, Wake Forest University *27587*
 - ② *Dr.* Dee F. Green for dissertation research, United States Forest Service, Monticello, Utah *84535*
 - ③ *Mr.* L. Douglas Smith, graduate student, for research projects Department of Anthropology, Arizona State University

I am sure that these individuals would be most happy to provide you with any additional information.

Sincerely yours,

Sylvia W. Gaines

Sylvia W. Gaines
Faculty Associate
Department of Anthropology

SWG:vp

DATE RECEIVED: NOVEMBER 1, 1972

FROM WHM : JACK HAWKES - UNIVERSITY OF BIRMINGHAM

SUMMARY I : INCLUDES:

1. COMMENTS FROM BRYON KERSHAW ON THE
PROPOSAL OF THE PIDOT PROJECT

2. 60 COPIES OF LETTERS FROM :

a. RICHARD SAWYER

b. N.W. Simmonds

Original filed Polata Project (Pilot)

October 31, 1972

Dr. David J. Rogers
Professor of Biology
Dept. of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

Thank you very much for the information about your Similarity-Clustering Program.

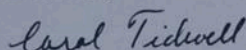
I have sent a copy of our writeup to Dr. Sturgul of the Department of Geosciences at the University of Arizona.

I have sent a copy of your letter to Dr. Reynold Ruppe, Chairman, and to Landon Smith, graduate student, both of the Anthropology Department. Kenneth McWilliams, who brought us the program, used it to group bones from different sites. I think Landon Smith was using it for pottery. There have been several other students in Anthropology who used the program for similar applications.

We attempted to interest Dr. Herbert L. Stahnke, Director of the Poisonous Animals Research Laboratory, to use the program to group scorpions.

Thank you again for your assistance.

Sincerely,



Carol Tidwell
Programmer

CT:sd

Oct. 20, 1972.

Dr. David J. Rogers,
c/o Food Research Institute,
Stanford University,
Stanford, California 94305,
U.S.A.

Dear Dr. Rogers:

As you are probably aware, the Canadian Government and a number of Canadian Institutes are becoming involved in a cassava improvement programme. The work in Canada, which is being linked to the programme at Cali, Colombia, is quite naturally restricted to laboratory studies. One study which could be carried out here and which could be of value in a breeding programme is concerned with the photosynthetic activity of Manihot plants--in particular, in determining whether any of the Manihot species have the potential for much higher photosynthetic rates than the cultivated cassava. I am keen to proceed with such a project, but must first determine whether it is possible to lay hands on various species which could be hybridized with M. esculenta. Dr. Barry Nestel of the Canadian International Development and Research Centre suggested that you may be able to help me in this connection. Accordingly, I would be most grateful if you would let me know if you have live material of any of the Manihot species, and if you would be willing to let me have cuttings from such material. Also, I would be most appreciative if you would let me have the addresses of other individuals who might have such material.

With my sincere thanks,

Yours sincerely,

L. A. Hunt

L.A. Hunt,
Assoc. Professor.

LAH/jms

Professor Rogers:

I am a graduate student in geography at UCLA doing a paper for Professor Sauer on the frontiers of manioc cultivation in the New World. I am primarily interested in the changing patterns of cultivation and distribution of the plant through time. I have read your articles on manioc in the various journals but as yet have found little real evidence for the existence and cultivation of domesticated forms in Mesoamerica before the Spanish, and very little on its cultivation there today. Because you seem to believe that Mesoamerica might have been a second domestication center for manioc, I would like to know what evidence you have which supports this viewpoint. The finds of MacNeish at Tamaulipas and Tehuacan do not seem to vindicate your position, at least from what I've been able to get from them. I would most appreciate any references or information that you might have on this subject which could point me in the right direction. Dr. Sauer has also expressed interest to me on this subject and is the one who suggested I write you. Again, any information, data, references etc. will be greatly appreciated.

Thanking you I remain respectfully yours,

Jim Powers

Jim Powers
Department of Geography
UCLA
Los Angeles, Calif.

THE NEW YORK BOTANICAL GARDEN

BRONX • NEW YORK 10458 212/933-9400

October 27, 1972

Dr. David J. Rogers
Department of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:


This is in very tardy response to your earlier missives. By now you have seen and scrutinized Iain Prance's report on the EDP potential here at NYBG. We all felt he did a very thorough and thoughtful job of analyzing the situation and suggesting procedures to get us into EDP. Although the cleavage between true supporters and wet blankets fell in a predictable line, I am happy to say that support (in principle if not green) runs heavily in favor of his recommendations. As you have seen, the price tag for initiating his suggestions comes to something close to \$100,000 -- which, even though our annual overall operating budget falls somewhere in the vicinity of \$5,000,000, still is a significant piece of cash, and large enough to raise questions about real benefits, savings in personnel, etc., etc., for which there can be no satisfying answers before the fact. At this juncture, now that we have a development pro on our team (Jim Blanning from Yale), I think that we are in a much better position to seriously consider EDP operationally. I also think that we will probably start with a Systems 3 in the business areas of the Garden, then plug into TAXIR at the SECOS office in Poughkeepsie perhaps a year later. I have been talking with Blanning about this with the end in mind that we look for some outside money to get the ball rolling, especially with the first part. As a backup, I expect that before too long we will have some federal funds for museum support (to succeed the series of facilities grants we have been getting from NSF) which will surely include support for data processing. Thanks in large part to Iain's enthusiasm and proselytizing, a growing number of our people are eager to get into EDP and particularly to use computers in their research.

As you may know, Iain plans to be away for most of two years beginning next June, which worries me a bit, as his interest and knowledge will have a great deal to do with successfully introducing the computer here. My own interest continues unabated, but I am so completely absorbed with institutional growth and development at this stage (will it ever end?) that I cannot realistically provide more than administrative support and direction to the overall effort.

At any rate, we are making progress, both here and at the Cary Arboretum, and at last I do not feel that we are swimming against a hostile tide. We're very much indebted to you for keeping the fire alive and for showing Iain the most recent developments in your bailiwick. I'll be in touch with you as things take shape.

With best wishes to you, Connie, and your family.

Sincerely,



Howard S. Irwin
Executive Vice President

HSI:cr

THE NEW YORK BOTANICAL GARDEN
BRONX • NEW YORK 10458 212/933-9400

November 3, 1972

Dr. David J. Rogers
Department of Environmental
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

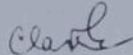
Dear Dave:

I forgot to answer some questions in your last letter. Bassett tells me that in the agreement with Hafner Publishing Co. authors are allowed 10 free copies. I believe that you should contact Harry Lubrecht directly about additional copies and the cost of them. I know that Utrecht made arrangements with Harry for additional copies of the Maas and the Berg monographs but I do not know the details.

I believe that you should see the page-proof so that you can complete the Index.

Best wishes.

Sincerely,



Clark T. Rogerson
Editor
Flora Neotropica

CTR:JT



The University of Birmingham

The University of Birmingham, P.O. Box 363, Birmingham B15 2TT
Telephone 021-472 1301

1st November 1972

JGH/BH

Professor D. J. Rogers,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

I enclose comments on the Pilot project scheme which I have received from Brian Kershaw. I thought you would like to have a copy so I am sending it on to you straight away.

I hope you got my letter of 24th October. I have not had any reply yet from Simmonds and Sawyer, but I hope that we shall get something through from them in the near future. Perhaps they have written to you direct.

Best wishes,

Yours,

Jack

J. G. Hawkes.

With regard to the provision of natural-language output, this is not a question of text translation (at which computers are notoriously weak), but of replacing a number of stereotyped phrases in one language by their equivalents in another, e.g. 'flower colour' by 'couleur de fleur.' This can be done simply by the use of dictionary sets.

Technical 1 A

Who will handle data preparation from hard-copy data, and what, if any, provision will need to be made for recoding machine-readable data and for getting over possible hardware incompatibilities, e.g. 5" and 11" magnetic tape, different recording densities etc.?

Technical 1 B

This step may prove very much more difficult than appears to be anticipated.

Technical 1 C last paragraph

It cannot be too strongly emphasised that the PP should, if possible, form the basis of any continuing scheme initiated. This is why it is so important to make the correct choice of system, so far as is possible in our present state of knowledge.

Technical 2 and 3

The use of TAXIR during the setting up of the data banks would form a very useful test of, and familiarisation exercise in, TAXIR itself.

Technical 2

It is not quite clear whether this refers to data vetting or only to format checking. In any case, this will almost certainly prove to be a very difficult operation, as well as a vital one to the proper operation of the resulting data bank.

Technical 4.3

The merged data bank should not, in the final system, contain all data from all elementary data banks, but only a subset sufficient to direct the user to the appropriate bank(s) for his detailed queries. This is a first approximation to the 'tree search' technique of data bank interrogation. The objection to a full merged data bank is that it will be very large, unwieldy and expensive to maintain and interrogate. This objection may not apply at pilot project scale, but if the PP is to be a true basis for the continuing system it should be borne in mind.

Technical 5

The TAXIR system will answer the TAXIR queries put to it, not necessarily the questions asked by the EXAMINERS or by users of the system. It is a truism in computing that 'the computer will do exactly what you told it to do. This is not necessarily what you thought you told it to do.' This is a problem in user education; perhaps the final sentence of the third paragraph of this section should read 'It will also demonstrate the ease, or otherwise, with which TAXIR querying can be learned by persons having no previous experience of the use of computers.'

Technical 6

This step will guarantee a full demonstration of the capabilities of TAXIR but not necessarily of its limitations, if any. When demonstrating a system it is easy and natural to concentrate on things it does well and gloss over limitations. Indeed, the person 'on the inside looking out' may not even be aware that limitations exist, or may have become so familiar with the system that he automatically gets round limitations by 'trick' use of the system, almost without consciously realising what he is doing. (This is a common situation in the use of FORTRAN, for example.) The reason for, and use of, these 'tricks', while transparently obvious to the 'insider', is by no means so to the 'outsider', and is very liable to degenerate into a series of annoying rules of the type: 'You can't do THIS, which looks legal but isn't; instead do THAT, which is equivalent' or, worse still 'do THAT, which looks illegal but gets the results you want.'

Technical 7 and Organizational 1 (p. 11 last paragraph)

It was emphasized at both Imviz and the EW that conversion of data from one format to another is a relatively simple matter; that no difficulty will arise if different GCGs use different formats. The use of standards is a different matter; while not strictly necessary, it is very desirable. If good standards are strictly implemented during the PP, the lucidity of the resulting output will probably encourage GCGs who come in contact with it to adopt standards, and most likely the same standards or some approximation to them. With any luck we have here a positive feedback process which will greatly assist in the promulgation and dissemination of data standards.

General

The PP will be a moderately large-scale exercise in communication between computers and educated people with no previous experience of these machines. Numerous difficulties in communication, in both directions, between computer scientists and 'outsiders' can be expected to show up, and such an exercise will be at least as valuable to the computer side as to the users, i.e. GCGs and their staffs.

B.L. Hervey.

October, 1972.

October 31, 1972

Dr. David J. Rogers
Professor of Biology
Dept. of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

Thank you very much for the information about your Similarity-Clustering Program.

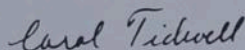
I have sent a copy of our writeup to Dr. Sturgul of the Department of Geosciences at the University of Arizona.

I have sent a copy of your letter to Dr. Reynold Ruppe, Chairman, and to Landon Smith, graduate student, both of the Anthropology Department. Kenneth McWilliams, who brought us the program, used it to group bones from different sites. I think Landon Smith was using it for pottery. There have been several other students in Anthropology who used the program for similar applications.

We attempted to interest Dr. Herbert L. Stahnke, Director of the Poisonous Animals Research Laboratory, to use the program to group scorpions.

Thank you again for your assistance.

Sincerely,



Carol Tidwell
Programmer

CT:sd



AGRICULTURE
la agricultura y la alimentación
et de l'agriculture

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI-ROME

Telex: 61181-FOODAGRI

Telephone: 5797

Ref. ACIS - 11.7/40
FI.5/41

OCT 27 1972

Dear Dave,

Many thanks for your letter of 18 October and your excellent paper on cassava. As you rightly point out, the quarantine problem, especially in virus, is of foremost importance.

I believe Mario Gutiérrez may contribute with a very good discussion to your section on documentation, since he has wide experience, particularly in corn. Let us hope that he is included in the CIMMYT delegation.

With best regards,

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'Jorge León'.

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Dept

Prof. D.J. Rogers
Department of Environmental,
Population and Organismic Biology
University of Colorado
Boulder
Colorado 80502
U.S.A.

Scottish Plant Breeding Station
Pentlandfield, ROSLIN
Midlothian

Telephone 031-445 2171

Director—N. W. SIMMONDS, Sc.D., A.I.C.T.A., F.R.S.E., F.I.Biol.
Secretary—R. J. L. GALLIE, F.C.I.S.

Your Ref.

Our Ref.

3rd November, 1972.

Professor J. G. Hawkes,
Department of Botany,
University of Birmingham,
P.O. Box 363,
Birmingham B15 2TT.

Dear Jack,

Thank you for your letter of 24th October. We should be quite happy to supply 200 copies of the CPC cards that you request. I am not quite clear from your letter to whom they should be sent. Perhaps you will let me know? As you request, I am copying this letter to Dr. Rogers.

Yours sincerely,

N.W.

N. W. Simmonds.

Dear Dr Rogers

a long time since we met!

*Yr
N.W.*



THE INTERNATIONAL POTATO CENTER

Address:
Aparado ~~XXX~~ 5969
Lima - Peru
Cables: CIPAPA - Lima
Telephone: 350266

La Molina, 31 October, 1972

L-888-CIP-72

Dr. Jack G. Hawkes,
Department of Botany,
University of Birmingham,
P.O. Box 363,
Birmingham B15, 2TT,
ENGLAND.

Dear Jack,

Thank you for your letter of October 24th. The International Potato Center is very interested in the project concerning a world-wide information storage and retrieval system. We shall submit the data requested to Dr. David Rogers. I would be willing to serve as an examiner of the results of the pilot study.

Best personal regards,

Richard L. Sawyer
Richard L. Sawyer
General Director

cc: David Rogers ✓

RLS/hmg

The International Potato Center (CIP) is a scientific institution, autonomous and non-profit making, established by means of an agreement with the Government of Peru with the purpose of developing and disseminating knowledge for greater utilization of the potato as a basic food. International financial sources for technical assistance in agriculture are financing the Center.

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

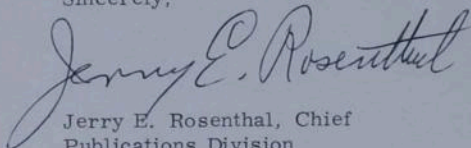
October 30, 1972

David J. Rogers
Professor of Biology
University of Colorado
Boulder, Colorado 80302

Dear Professor Rogers:

Your letter of September 21 to Dr. Rice has been brought to our attention. As you requested, we are placing you on our mailing list to receive the publication regularly. I enclose a copy of the October issue.

Sincerely,



Jerry E. Rosenthal, Chief
Publications Division
Office of Public Affairs

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
FORT COLLINS, ~~COLORADO~~ 80521

October 26, 1972

Dr. David J. Rogers
Professor of Biology
University of Colorado

Dear Dave:

We will be very happy to cooperate in providing information to you that might be useful. We shall be glad for you to come to the NATIONAL SEED STORAGE LABORATORY at any time convenient to you.

Sincerely,

Louis N. Bass
Head of Laboratory

Oct. 26th 1972.

Dear Prof Rogers -

I received the forms you sent to me. Thank you so much; I do think that they will be of help to me. If nothing else, working from such a detailed form will make me more alert to subtle differences between specimens. I'll try to collect as much information as possible along with any specimens I collect.

You asked how I was progressing? So far not very well. I had a set-back with a bout of pneumonia (of the things to catch in the Tropics) and so I'm really just now getting started. I'll be visiting CIAT in

AFTER 5 DAYS RETURN TO

Caete J. Borner
% Dr Machado
Inst. Nac. de Pesquisas do
Amazônia,
Manaus, Parail
Am. do Sul

ZIP

Celi soon and then will go on
to Brazil. I'll ~~not~~ keep you
posted if anything interesting
develops. (I hope something good
shows up; I hate dull dissertations!)

Once again, thanks for the
forms and all the help you've
been to me in the past.

Sincerely,
Carole Brown

October 19, 1972.

Dr. David J. ROGERS,
Department of Environmental, Population
and Organismic Biology,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

Dear Dave:

It was nice to hear you on the phone, the other day. By the way, is it not Mrs. Rogers who answered the phone ? Please give her my best regards.

So, I wrote to Henry right after I got your letter. I think it will be possible to find some funds here for TAXIR (or I should say ENVIR). About our paper, I include with this letter

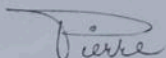
- 1) the original of the proofs, corrected
- 2) a copy of the proofs for your files
- 3) a copy of the manuscript, such as I corrected it last autumn, before sending it to Frans Stafleu. I don't think you saw those modifications, did you ? So, if you are wondering where certain things come from, that you cannot find in your copy of the manuscript, please refer to this copy.

I would like to ask you to check especially the 5 top lines of proof page 58, and also to complete the reference of Rogers and Fleming 1971. When you read through the paper, would you also pay attention to the way words are cut, at the end of the lines ? In previous papers, I checked each word in the dictionary (the printers of Taxon often make mistakes with regards to this matter), but as you were to read the proofs, I did not take the trouble this time (you know, words are not cut according to the same philosophy, in English and in French !)

About reprints: I ordered some for myself, and you will find a Xerox of the ordering form. If you don't have and cannot find funds for your reprints, please send me a note, telling me how many reprints you want, and I will ask if we could not pay for your reprints (I could have them delivered here together with mine, and then send them to you).

May I remind you that I already asked Frans to let us have a second series of proofs: considering the large number of corrections to make, I think it will be necessary to check how well they have been done. Of course, I could easily take care of that. But could you insist also to get these proofs ?

Best regards !





AGP REGISTRY

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

In reply please mention our
reference and date of this
letter

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 6797

AGPE - PL 2/8

Ref. PL 7/40

From: Sir Otto Frankel, c/o Dr. J. León, AGPE

OCT 19 1972

Dear Dave,

I found your letter of 29 September on arrival in Rome a few days ago and discussed its contents with Jorge. His reaction is that since you do not require funds for the pilot project but only a magic word from someone with some degree of authority who asks you to undertake this task, the right person and in fact the only one in a position to say this word is Jack Hawkes. FAO could not do this for obvious reasons nor would it be possible for Jorge to do so in an unofficial capacity.

However, seeing that I have always done what was required at the moment when my IBP hat was convenient, I am quite willing to put it on and write to you as the Chairman of the IEP Committee on Plant Gene Pools, which may sound sufficiently impressive although the Committee really does not exist. Please let me know should you want this and in that case you might supply the few words which would be required by way of a draft.

As regards the section on documentation, I know Mario Gutierrez but have no idea whether he has much experience on documentation. Lothar Seidewitz on the other hand is "in the bag" and I am surprised that he has failed to answer your letter; he may have been on holiday. We have a letter from Bommer telling us that both his and Lothar's participation will be financed by their own institute so clearly their participation is assured and therefore Lothar's paper.

I shall be here until about 12 November so please write here in reply.

Best regards,

Yours sincerely,

OHF

O.H. Frankel

Prof. D.J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302
U.S.A.

October 18, 1972

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

Dear Dr. Rogers:

We have a version of your Similarity-Clustering Program which we obtained from Kenneth McWilliams when he was doing graduate work here in 1970. Since we are presently undergoing a conversion from a CDC 6400 to a UNIVAC 1106, I was wondering if you have a more recent version of your program and if you know where it is running on a UNIVAC 1100-series computer.

We are fortunate to have your program which is mainly used by the Department of Anthropology - although it has had some other curious applications.

Sincerely,

Carol Tidwell

Carol Tidwell
Programmer

CT:sd

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

SCHOOL OF AGRICULTURE AND LIFE SCIENCES

DEPARTMENT OF PLANT PATHOLOGY
Box 5397 ZIP 27607

October 17, 1972

Dr. D. J. Rogers
Dept. Environmental, Population, & Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

I have just had too many things to keep up as I should I guess.
Your letter to me was written a month ago!

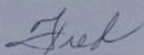
That letter and soon the package of old pictures were received.
I want to thank you for both.

I was certainly interested in the title of your Department.
It would be most interesting to talk with you about population growths.

For one thing I do not believe the prophets of the very worst
that can happen to humanity is coming upon us by 1975 from the on-going
"population explosion".

Population acceleration does seem to be settling into a different
curve. I do not agree with the scare tactics of my friend Bill Paddock
and others. They are undoubtedly sincere, but things are changing,
even in the Tropics.

Best regards, Sincerely



Frederick L. Wellman
Professor Emeritus

FLW:jj

Oct. 11, 1972

Mrs. Julia Morton
Morton Collectanea
University of Miami
Coral Gables, Fla.

Dear Julia:

I want to get a few observations down before they go "cold" on me. Forgive the poor typing.

First, it became more apparent to me just how international and how important the Collectanea is than I knew already. Each exposure that I have provides some more of the many facets of the work that you have done so well. Second, I believe that you have very good friends in Drs. Cooper, Segal, and Litwak. The way I read their statements at the meeting, I believe that they truly support you, and do not want to take away from the importance of the Collectanea, but rather, find ways in which it can be supported adequately. They, too, are ~~groping~~ groping for the right combination. I think it is clear that Cooper, in his program, cannot be the overall supporting agency, but I think it is also clear that he is willing to spend some of their time trying to locate the proper sources in other agencies to get the inter-agency support you need for the very broad subject of economic botany. I know that you are reluctant, with very good cause, to divulge your own contacts, but I do not think that Cooper, et al would exploit your contacts to your detriment. You must check my feelings on this with Gene Mann.

It was a great pleasure to see how much real support you have from both Mann and Howard Teas. I think both those gentlemen are outstanding, and really want to help out. With that type of backup, you are indeed fortunate.

I am not at all certain what Cooper wants to do, but he did want some sort of in-depth analysis of the job to get all your excerpts into computerized retrieval form. That will take time and effort on both your part and mine, and Cooper mentioned that he could put some funds behind it. That indicates to me his sincere desire to help. I also think that such an in-depth examination of the job is a worthwhile thing, not only for me, but for you as well. Sometimes it pays off to back off and reexamine the whole operations, to get a fresh feel for the ongoing development. One of the things that Dr. Segal mentioned was that the Morton Collectanea might become a "node" in a national system for cancer information. It is good that he is thinking in those terms, but I am sure that you will want to look carefully at that idea from the standpoint of where it will take you and the Morton Collectanea. I really do not know what your objectives are for the Collectanea, or for yourself, and I suspect that you will have to do some thinking about this yourself.

Please be assured that I will go along with whatever direction you set--all I am is a very interested bystander at the moment, and very pleased that you considered our TAXIR system as sufficient to meet your needs. Thanks for inviting me in.

Sincerely,

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
DEPARTMENT OF HORTICULTURE
UNIVERSITY OF WISCONSIN
MADISON, WISCONSIN 53706

October 16, 1972

Dr. David J. Rogers
Dept. of Environmental, Population
and Organistic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

I am very interested in cooperating with you on the pilot project with TAXIR that you described. Enclosed are two inventories of the materials in the IR-1 collection. Much of the information given in the 1969 inventory is already on punch cards in the form that it appears there. One card contains the information listed on the left page and another card has the screening data listed on the facing page. Both cards are identified by the P.I. number.

In your letter, you indicate an interest in only the primitive cultivars. In our case, this would be the S. phureja, S. stenotomum, and S. tuberosum stocks listed in the 1969 inventory. Almost all of the others are considered "wild" species.

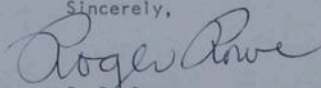
As you examine the data, you will note that the weakest part of the system is the section that concerns information on the site where the introduction was collected. For several reasons, we only list the country of origin. Some collectors do a fine job of reporting provenance data, but others provide nothing. In almost all instances, the people that use our stocks are not concerned about the origin of the introductions. So far, we have handled each request for more detail on a personal basis from data in our files. Another reason of course is the problem of how to present these data in a brief, but readable way in an inventory.

This week, we expect Dr. J. P. Hjerting to arrive from Denmark to begin a two-month study of our records. He will attempt to locate exactly the collection site of as many of our accessions as possible. I anticipate that we will try to assign latitude and longitude values. I assume these are used in computer plotting work.

October 16, 1972
Page 2

I will be happy to provide as much information as we can for your project. If you need more details on the data that we have, please don't hesitate to ask.

Sincerely,

A handwritten signature in cursive script that reads "Roger Rowe". The signature is written in dark ink and is positioned above the printed name.

P. R. Rowe
Geneticist

PRR/jek

Enclosures

FOOD RESEARCH INSTITUTE
STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

Telephone: (415) 321-2300

Cable: FOODRES STANFORD

October 10, 1972

Professor David J. Rogers
Department of Environmental, Population
and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

I understand that it is possible to obtain a copy of your paper, "Botanical Considerations on the Origin of Manihot esculenta," which was presented at the 1971 annual meeting of the American Anthropological Association held in New York, November 1971.

I would greatly appreciate your sending me a copy.

Sincerely,

Bill

William O. Jones
Professor and Economist

WOJ:is

DIVISION OF LIFE SCIENCES

EASTERN ILLINOIS UNIVERSITY

CHARLESTON, ILLINOIS

The Science Building

BOTANY DEPARTMENT

ZOOLOGY DEPARTMENT

Rogers
Dr. Johnston,

Do you have any idea what this specimen might be? I collected the seeds from a man in the jungle around Iquitos, Peru in the summer of 1968, planted them, and we now have a tree of 4 meters in height. If you have any time, I would appreciate any help you could give. If you need additional material--I have plenty!!

Wayne:

This ended up for my determination. They are genus Jatropha, but I don't know the species. You can check it out at the Chicago Nat. Hist. Museum herbarium.

Dave Rogers

Sincerely,

Wayne Pichon
Wayne Pichon

~~looks like Manihot in the Euphorbiaceae~~

~~It happens to flower you might want to check it against descriptions of Manihot~~

~~Send ^{this} messed spm. to Dr. Dave Rogers @ Univ. of Color. in Boulder. He is the expert in Manihot.~~

Include this letter.

(1149)



The University of Birmingham

The University of Birmingham, P.O. Box 363, Birmingham 16, ENGLAND
Telephone 021-472 1301

041/5711

9th October 1972

Professors DAVID G. ROGERS,
University of Colorado,
BOULDER,
COLORADO 80502.

Dear Dave,

You will see from the letter from Roger Rowe and my reply that we are all set for co-operation in Wisconsin in the TAXER Pilot Project for potatoes. I wrote to Richard Sawyer and Norman Silimide I wonder if it could have a reasonable indication given you please as to the form of data which would be required. I suspect that in these two cases the data have not yet been put on the 124 punched cards but would probably be provided in some other hand written or type written form. The time to know is quite long this needs to be arranged.

Looking forward to hearing from you as soon as possible.

Yours,

J. G. Hawken.

P.S. I have had no reaction yet to your proposals from Otto or John.

9th October 1972

P. R. Rowe,
United States Dept. of Agriculture,
Agricultural Research Service,
University of Wisconsin,
Madison, Wisconsin 53706.

Dear Roger,

Very many thanks for your letter of October 2nd signifying your willingness to co-operate with Dave Rogers and me on the TAXIR Pilot Project. I am sending him a copy of your letter together with my reply, so that he will know what your reaction has been to this suggestion. I am very glad to know, incidentally, that you have a great deal of data already on IBM cards. Hopefully, Hjerting will help you to put latitude and longitude references in a lot of the numbers. Where this is not possible I have suggested to him that he makes some special sign so that an appropriate key can be punched for approximate records of latitude and longitude which I think Dave Rogers might find possible to include in a satisfactory manner.

I will now write to Sawyer and Simmonds to see whether they would like further data also to be included in the Pilot Project.

The proposed meeting in Peru in January was suggested by Sawyer so that a discussion could be had on the priorities for Collecting and Taxonomic work in the next few years. At least that is how I see it, though Sawyer was not too clear and perhaps I am wrong about it also. At first, he wanted to have a work-shop but I thought that was too ambitious and persuaded him that we ought to set out a few prospectives for the most important aspects of collecting and taxonomic revision to be done where possible. If you feel like coming in order to discuss the gaps in the Gene Bank Material at your own station and to work out a plan for making this good, I think that this would be a very important objective. Taxonomic work would follow from this automatically.

Many thanks for inviting me to Sturgeon Bay in the summer of 1973. I would be interested to come, since I am planning to attend an Evolution Meeting at Colorado and to go on in late August to the American Potato Session Meetings at Guelph in Canada. I believe between these two meetings I should have some time to spare, and therefore, what could be more appropriate than to visit you at Sturgeon Bay. So far as I know at present, the Colorado meeting will be taking place between August 4th and 12th, whilst the Guelph meeting will start in mid-August apparently, though I do not seem to have the exact date yet. I wonder if this period of early August would be convenient for you also?

P. R. Rowe.

- 2 -

9th October 1972

I am afraid the Turkish Conference Proceedings have not yet been published but a volume of proceedings will come out in due course and I shall see that you get a copy.

With best wishes.

Yours,

J. G. Hawkes.

COPY

CIMMYT
México 6, D.F.
Londres 40 - 1er. Piso

October 5, 1972

Dr. David J. Rogers
Professor of Biology
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

Thank you very much for your letter of September 13th. and your kind invitation to participate on the half-day Symposium on Documentation and Information which you are organizing to be held during the FAO - IBP Technical Conference on Genetic Resources.

Before accepting your invitation, I would like to have further information on the nature of the Symposium and the Conference. Any additional information on the nature and objectives of the Symposium and the tentative list of participants will be greatly appreciated.

Sincerely,

Mario Gutiérrez G.

MGG/iv

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA 47401

DEPARTMENT OF PLANT SCIENCES

October 10, 1972

TEL. NO. 812-337-5822

9/10/72

Dr. David Rogers
Department of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

Thanks for your prompt reply. I have just talked to my editor and he says that since we are going to have to get some photos from USDA he will also ask them for yuca. If they have one it will save you the trouble of looking yours up and having a print made.

Thanks for the name of Jerry Grant. I will write him to see if he can supply a photo of tipili, an extracting basket.

Sincerely,

Charby
Charles B. Heiser
Professor of Botany

CBH:maw

INSTITUT FÜR PFLANZENBAU UND SAATGUTFORSCHUNG
DER FORSCHUNGSANSTALT FÜR LANDWIRTSCHAFT
BRAUNSCHWEIG-VÖLKENRODE

Direktor: Prof. Dr. D. Bommer

3 BRAUNSCHWEIG, 5th Oct. 1972
Bundesallee 50
Fernruf 5 50 81
Drahtanschrift: Landforschung Braunschweig
Station für Fracht- und Expressgut:
Bhf. Braunschweig-Lehndorf

oath

Institut Pflanzenbau FAL 33 Braunschweig Bundesallee 50

Unser Zeichen:

Sei 12-24/2

Prof. Dr. David J. Rogers
Taxometrics Laboratory
Dept. of Biology
University of Colorado
Boulder/Colorado 80302

Dear Dave!

Many thanks for your letter of August 8th and for the invitation to participate in the next year's technical conference in Rome.

The original answer to your letter was written from dictation about a month ago before I left the institute on vacation. Unfortunately my secretary is ill since then so she obviously didn't mail the letter. I therefore beg your pardon for the enormous delay in confirming my interest in the conference. However, as I learned by Prof. Bommer he informed FAO directly about our participation. The requested summary for my conference contribution is under preparation already and will be sent in good time.

With best regards
sincerely yours,

L. Seidewitz

(L. Seidewitz)

October 4, 1972

Dr. David J. Rogers
Professor of Biology
Department of Environmental
Population & Organismic Biology
University of Colorado
Boulder, Colorado 80302

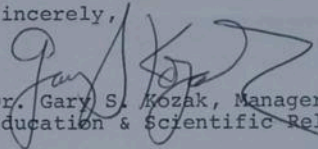
Dear Professor Rogers:

Your letter of September 26 was extremely informative and coupled with the information contained in your letter to Mr. Currie of September 6, should provide a broad basis for dialogue between Messrs. de Luze and Taysi. I assumed that Professor Taysi had been aware of your initial correspondence and, in this regard, certainly concur with your desire to forward all pertinent letters to Professor Taysi's attention.

The next phase now appears dependent upon a de Luze/Taysi meeting. I will contact you again as soon as a decision has been reached, or before that if additional information is required.

Thank you again for your interest in this project.

Sincerely,



Dr. Gary S. Kozak, Manager
Education & Scientific Relations

GSK:mak

OPEN
Nairobi, Kenya
XXIX.Oct. 1972
3

Dear Dave, Gil and Jay:

I'm writing this to all of you though I expect that the research parts will be of varying interest to each of you, but the communication may be better this way. I mentioned in my first letter that Marty Foreman is interested in sabat cal plans, I hope I can help him. When you get a chance to put something together that I can look at for the AID program, please shoot it along and I'll add to the confusion. Incidentally, cassava is sold in stores here and our gardener comes from the West and reports that it is a staple there. He says that it is prepared with the following steps: peeling of tubers, washing and splitting the cosssets then boiling for half an hour and mashing. It sounds like this might not get rid of all of the HCN. They eat quite a lot of the stuff there, but not much here.

I'll be responsible for the macro side of the agriculture policy and for consumption and distribution planning. This makes the use of the model a natural for some exercises. The policy papers I've seen are production oriented with little in the way of demand estimation to base their output plans upon. Historic production is the usual means of planning. There may be a finer application of the model to the planning task here -- where Jack Powelson and I send back parameter estimates and function values and you plug them into the model for analysis. It could be a thesis or more. Lets keep talking as things develop.

I'm going to get started outlinging the "book" again as soon as the shipment arrives, which won't be until November. Meanwhile there is lots to do to make myself useful at work

We are settling into a fine home, fireplace, three bedroom and large grounds. We have a fine gardener and a fat cook that gets in Em's way. They had that all lined up for us the first night. They issued us a new car, Peugeot 504. Everything is just as near to perfect as it could get without being a developed country. The water is potable, the nights cool, the food great. The only problem is for Em to find a task with something interesting involved. Even Volunteer work requires permits!*

We've been out to the Game Park and seen about every species of large animal except buffalo. It looks like the post cards. On the 20th week end there is a holiday, Kenyatta day. So we were going to go to the coast and see the beach and snorkling. Last Sunday we saw that there was to be a sailboat race, so we went down there and I got shanghaied into crewing on a 505, they take there sailing very seriously and allow no power boats on the lake. We came in second. So all in all we are finding it a very interesting experience.

So follow the advice of P₁ in the E₁der to P₁ in the Y_{ounger}. "If there is nothing to write, write and Tell me that".

As ever,

Chuck

JOHN INNES INSTITUTE

COLNEY LANE, NORWICH, NOR 70F

Norwich S2571

BS/td

3rd October, 1972.

David J. Rogers,
Taximetrics Laboratory,
Dept. of Biology,
University of Colorado
Boulder, Colorado 80302
U.S.A.

Dear Dave,

Many thanks for your letter of 28th September.

I am sorry to hear that the responses to your requests for speakers at the Rome meeting have been somewhat slow. Nevertheless I feel that you should have no problems in filling the gaps and I imagine that Lothar Seidewitz will eventually indicate his willingness to attend.

Now to be more specific, I am not too keen on having to expand my own talk beyond the 20 to 30 minutes originally planned. I had hoped that it would serve as a general introduction and that the subsequent speakers would then be specific and fill in the details. You must remember that I am principally a geneticist and that my Pisum system. This has certainly given me experience in deciding what to record, how to record it and an insight into what sort of questions to anticipate. Beyond this, however, I think it would be up to the specialists such as gene bank directors, plant collectors and computer experts to outline in detail how these large, comprehensive systems will work.

Anyway I will have to leave the details to you because obviously what I have to say will have to be governed by the content of the subsequent presentations. Let me know how the symposium develops and I will do my best to fit in accordingly.

I am sorry to hear that you have run into "politically hot potatoes"! I had hoped that you would have been able to demonstrate how Taxir would cope with the potato collection by the time the Rome symposium took place. I am happy to report that I am quite ignorant of the reasons for the political factors which you report as being a stumbling block to implementing the recommendations of the Birmingham

cont/.....

JOHN INNES INSTITUTE

COLNEY LANE, NORWICH, NOR70F

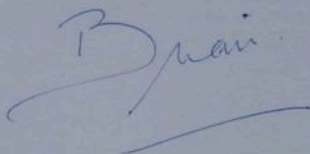
Norwich 52571

-2-

Workshop. At the same time, of course, this state of bliss prevents me from being able to provide you with an explanation. I sincerely hope that you will have demonstration material for the Rome meeting because this is the best and most convincing advertising material you could wish for.

Kind regards,

Yours sincerely,

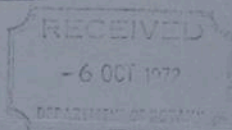
A handwritten signature in dark ink, appearing to read 'B. Snoad'. The signature is fluid and cursive, with a long horizontal flourish extending to the right.

B. Snoad.
Dept. of Applied Genetics.

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
DEPARTMENT OF HORTICULTURE
UNIVERSITY OF WISCONSIN
MADISON, WISCONSIN 53706

October 2, 1972

Dr. J. G. Hawkes
Department of Botany
University of Birmingham
P.O. Box 363
Birmingham B15 2TT ENGLAND



Dear Jack:

I have not been contacted by Dave Rogers but I've heard of TAXIR and have wondered about its usefulness for our program. We have data for about two-thirds of our collection on IBM cards in a format similar to the way they appear in the 1969 inventory. Without knowing exactly how TAXIR works, I would anticipate that our biggest weakness is in quantifying the exact site of collection for each introduction. In some cases we have on file the coordinates and altitude but in other instances (too many I'm afraid) we only know the country of origin. Hjerting will help us pinpoint the location for many introductions of course and I had anticipated that we would obtain coordinates.

I will be very happy to make our data available to Dr. Rogers. It would be good if CIP and CPC could be included. In the case of CIP, I would anticipate that their data would concern only the cultivars since most of the wild species in their collection was sent to Dick Sawyer from Sturgeon Bay.

I just received a letter from Dick Sawyer relative to a taxonomy work session in Peru in January. He has suggested that I attend but he wasn't completely clear on what was to be accomplished. Since you will be in charge, could you tell me the objectives of this meeting. If its purely on taxonomy, there doesn't seem to be much need for me to attend.

During your last visit to Sturgeon Bay, we discussed the possibility of you returning in the summer of 1973. Any thoughts on that yet?

Be sure to send me any proceedings that may be published as a result of the meeting in Turkey. I suppose they have not been published yet.

Best regards,

Sincerely,

P. R. Howe
Geneticist

PRR:mm

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA 47401

DEPARTMENT OF PLANT SCIENCES

TEL. NO. 812-337- 5822

2 October 1972

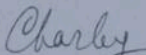
Dr. David J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

Freeman and Co. has accepted by book, Seed to Civilization: the Story of Man's Food, and I am now trying to round up some illustrations. In that connection I was wondering if you could help me. I need good photos of roots and a single plant (or a field of plants) of manioc, and I would also like a photo (or perhaps a drawing) of a tipiti. I thought that perhaps you could supply me with these or indicate some good sources.

A little over a year ago I got back to Turrialba. It was my first visit there since 1953. There have been quite a few changes, needless to say.

Sincerely,



Charles B. Heiser, Jr.
Professor of Botany

CBH:dhr

October 1st, 1972

Dr. David F. ROGERS,
Department of Biology,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

Dear Dave:

Thanks to Askell, I know now where to reach you! And here I am also, back on this continent, and anxious to do some work in collaboration with the Taximetrics Lab.

I have started to work with some people here who need a computerized information storage and retrieval system for handling herbarium specimens: when I told them about TAXIR, and described how it works (I still have my classroom notes...), they jumped to the ceiling - I skips the details and come to the point: could I get a copy of TAXIR, so as to make it work on our computer system?

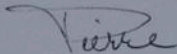
If I remember right, we were working with TAXIR #3 last year, but if I know Henry and Appan, they must be working on number 4 or 5 by now. So we don't exclude a trip to Mississippi or to Boulder if necessary, so as to get some training, and say hello to everybody at the same time. There seem to be funds available for such trips here.

- So, for now, I would like to get
- your O.K. for using TAXIR here, or your conditions, or what?
 - the address of Henry and Appan in Mississippi: I suppose that you don't have a spare copy of TAXIR in your file, do you? With your approval, I could get in touch with Henry and arrange everything with him.

Please let me know how you are doing with your monograph of
Manihot: I was given to understand that California was not such a
nice place for book writing...

And I was about to forget to send you the best regards of
Pierre Dansereau; please agree also ours, to your wife and yourself.

Yours as ever,

A handwritten signature in cursive script, appearing to read "Pierre".

Pierre Legendre.

PL/nm



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

DEPARTMENT OF GEOSCIENCES
LABORATORY OF GEOPHYSICS
TEL. (602) 884-2417

September 29, 1972

Professor David J. Rogers
Director, Taximetrics Laboratory
Department of Organismal, Population
and Environmental Biology
University of Colorado
Boulder, Colorado 80302

Dear Professor Rogers:

I am writing to you at the suggestion of Professor George Estabrook who indicated that you might be able to supply me with some computer programs for use in CAI for a group of high school teachers. Copies of my correspondence to Professor Estabrook are enclosed.

I have a graduate student working part time for me who is an accomplished programmer as well as having had considerable personal experience programming IBM, CDC and PDP systems.

Any assistance you can furnish would be most appreciated.

Sincerely,

John R. Sturgul
Associate Professor

JRS/ald

encl. (2)

September 12, 1972

Prof. George F. Estabrook
Assistant Professor of
Botany and Zoology
University of Michigan
Ann Arbor, Michigan 48104

Dear Prof. Estabrook:

I am writing to you as one of the participants in project COMPUTe.

In two weeks I shall begin instruction to a group of 25 High School Teachers in the topics of computer programming and applications to the Earth Sciences. The project is funded by the NSF and my course is part of a degree program leading to a M.S. in Science Education.

Much of the instruction will be by use of teletype-terminal tied into the University of Arizona's CDC system. Do you have any computer programs that I might use in my instruction? (The area of Earth Sciences is quite general and so any programs which you feel might qualify would be most appreciated.) The course will last one year.

Any assistance you can furnish me for this course will be fully acknowledged.

Sincerely,

John R. Sturgul
Associate Professor

JRS:srg

September 27, 1972

Dr. G. F. Estabrook
Department of Botany
University of Michigan
Ann Arbor, Michigan 48704

Dear Dr. Estabrook:

Thank you very much for your letter and offer to assist me in my Institute for High School Teachers. The course will last until June 1973 and so anything you can send before then would be most appreciated. I will write to Professor Rogers as you suggest.

I have had considerable experience in programming on IBM, PDP, and CDC Systems and so can easily convert from one to the other. If you can send me listings of programs, with appropriate comments cards, I should be able to convert them to our system. Of course, if you have source decks, this would be even better.

Al Solomon sends his greetings.

Sincerely,

John R. Sturgul

JRS:srg

Copy for Dave Rogers.

27th September, 1972

Your Ref: PRR:mn

Our Ref: JGH/NA

P. R. Rowe, Esq.,
United States Department of Agriculture,
Crops Research Division,
University of Wisconsin,
MADISON, WISCONSIN 53706:

Dear Roger,

You have probably already been contacted by Dave Rogers of Boulder, Colorado, concerning a proposed pilot project for genetic resources information management using the system known as TAXIR that Dave himself created.

I may have told you that we held a Workshop on information systems for World Genetic Resources at Birmingham on July 4th and 5th of this year. As a result of these discussions it was recommended that Dave Rogers would make a pilot study of the feasibility of the TAXIR system for a single crop (and perhaps also for a multicrop gene bank). Potatoes were suggested as the crop to be chosen and I was asked to co-ordinate where possible with yourself, Dick Sawyer (C.I.P.) and perhaps others, so as to facilitate the production of data.

You have just produced a new inventory of accessions, based perhaps on computer-stored information, together with the results of screening. I wonder if you would feel in a position to co-operate here? Since Hjerting will soon be working with you one of his tasks might be to provide information as a spin-off from what he is supposed to be doing, though more would be needed than purely geographical data of course.

I would be grateful to know whether you think the above suggestion would be feasible. I shall be putting a similar proposal to Sawyer (C.I.P.) and Simmonds (Edinburgh) in due course, but would like to have your reaction to begin with.

Best wishes,

Yours sincerely,

J. G. Hawkes:

K.S. Very many thanks for the Inventory and for your recent reprints.



The University of Birmingham

DEPARTMENT OF BOTANY

The University of Birmingham, P.O. Box 363, Birmingham B15 2TT
Telephone 021-472 1301

27th September, 1972

Mason Professor of Botany: J. G. Hawkes Sc D

Our Ref: JGH/MA

Professor David J. Rogers,
University of Colorado,
BOULDER:
COLORADO 80302:

Dear Dave,

I am most sorry for the delay in replying to your report and letter of August 17th. I had hoped to discuss it with Sir Otto Frankel when he came to visit me early in September, but unfortunately he had not received his copy because he had not been in Canberra for quite a while. He will be spending the month of October in Rome and will probably see it then, after his holiday in Greece.

Personally I think your pilot project excellent, and would like to say "Yes, go ahead". The difficulty as I see it is that I have no official position to commission projects, though on the other hand this was something that the working party definitely agreed upon. So why don't you go ahead anyhow, and meanwhile I have asked Otto Frankel and Jorge Leon to write a letter as from F.A.O., formalizing the agreement. I hope you will not feel that I am being too bureaucratic - its just that I do not want it to be considered that you and I are trying to run things by ourselves without general agreement from F.A.O. This is particularly important in view of the probable T.A.C. involvement in the near future.

This, I think, takes care of points 1 to 4 (inclusive) in your paper headed "Suggested Activities for Professor Hawes on the Pilot Project", except for a few minor points, as follows:-

- (a) I think it would be better to use the acronym G.R.C. (Genetic Resources Centre) rather than G.C.C. (Genetic Conservation Centre). ✓
- (b) Apart from a brief introduction linking the pilot project into the probable future world network, it seems to me that we ought to specify very clearly just what the Pilot Project will be doing. You do this in Part I (p.4 et seq) until you get to page 7, when you talk about Examiners and on p.8 when you introduce the concept of the policy committee. I think you ought to take out a reference to examiners until you get to section 5 on p.8, where they are explained better. A reference to part II should be made here where it is all explained. In fact, in many ways perhaps it would be better to interchange the position and numbers of Parts I and II. Thus the planning would then come first and the technical section later.

-continued-

Professor David J. Rogers,
BOULDER:
COLORADO 80302:

- (c) In part II the section dealing with the pilot project and that referring to the next part of the scheme when the pilot project is approved, should be kept rather more distinct. Even though we believe it will be a success others reading this report will need to be convinced by the pilot project first.
- (d) The Policy Committee, as you rightly stress, will be the key body in the co-ordinating system. This cannot be based on the membership of the Birmingham Working Party but must be set up with F.A.O. and T.A.C. approval. Therefore, I suggest that this must be delayed until we meet next March in Rome, since otherwise I fear we may antagonize people by seeming to jump ahead too rapidly, without proper consultation.
- (e) I am not too happy about your introduction, which gives the impression that all has already been decided. I would prefer it if you started with the Proposal (p.3) suitably modified, to read somewhat as follows:-

→ "The following two-part proposal suggests

- 1) the means of carrying out a pilot project for assessing the suitability of TAXIR as an information system for World Genetic Resources data storage and retrieval.
- 2) Assuming the success of TAXIR under section 1), the ways of integrating this into a world co-ordinating systems network.

It should be noted that the pilot project under (1) above was recommended by the Workshop on Genetic Information Systems held at Birmingham University, England, on July 4th and 5th, 1972. Dr. David Rogers was asked to carry out this project at his Taximetrics Laboratory in the University of Colorado, U.S.A. with funding and resources already available and in collaboration with Professor J. G. Hawkes of Birmingham University, the data to be obtained from ~~Institutions as detailed in Part 1 of the report.~~

The Laboratory would wish to retain the right of publication of the results of the pilot project. If additional resources are needed the laboratory would seek funding directly and specifically from such sources as were considered appropriate. [You cannot rely on a governing body at this stage]."

- (f) I do not feel happy about your including B, C, D, E and F at this stage. You are assuming too much. I want to see the pilot project accomplished first; after this we can work out the next stage.
- (g) The letter from Frankel, Leon, etc. I am sure will be forthcoming, and I have already written to them about it.
- (h) I would suggest omitting your introduction at this stage, or putting it at the back of your report along with the explanations of how the policy committee etc. will be constituted.

I hope I haven't seemed to be too carping. You asked for my comments and I have tried to give them fairly, though I could well be wrong. I hope comments will also come from Otto and Jorge to whom I have taken the liberty of sending copies of this letter. I have also written to Roger Rowe and enclose a copy of my letter herewith.

Yours ever,

J. G. Hawkes
J. G. Hawkes:



AGP REGISTRY

In reply please mention our
reference and date of this
letter
Via delle Terme di Caracalla, 00100-ROME

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. AGPE - IN 11/1

97280

Dear Dr. Hersh,

On my return from home leave, I found your letter of
7 August on my desk.

I have made enquiries about Prof. Ichsan El Rawi. He
was employed by FAO for about five years and did some
excellent work in Indonesia, where he built up an animal
testing laboratory and taught biochemistry at a nutrition
institute. Our latest information on his whereabouts is
that he is a professor at the School of Pharmacy at the
University of Baghdad.

I hope to meet you in Rome next March as I understand
you may contribute to Dave Rogers' section at the Technical
Conference on Crop Genetic Resources.

Yours sincerely,

Respect to Dave

Jorge León

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

Dr. Gil Hersh
Senior Systems Consultant
Department of Biology (Hale 114)
University of Colorado
Boulder
Colorado 80302
U.S.A.

lu
copy to
HCN study

G U
R C

Gulf Universities Research Consortium

GURC Field Office • NASA/Mississippi Test Facility
Bay St. Louis, Mississippi 39520 • (601) 688-3760

September 22, 1972

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JOHN W. WINCHESTER
Florida State University

Dr. David J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave,

Yours of September 6th received with great sense of relief. We thought you had fallen down a hole somewhere or other. Your comments on the brochure were appreciated and corrections were made. However, as a consequence of meetings with Dr. Sharp, Council et al vast changes are in order. You are assured of first copy off the press of the new version.

Things go along in the same state of chaos and at the same level of hysteria. New faces, new chains of command, new places come rolling out of the structures herein but, basically, nothing really changes and very little progress is made. Within our own sheltered conclave, however, things do progress and constantly improve.

We are delighted with Ian Prance paper---this too represents progress.

Much goes on in GURC but there is little point in reporting until real facts emerge. As soon as worthwhile information comes out you will be the first to know.

Meanwhile, lets "stamp-out pay toilets" and "Down with hot pants" and "Up with preparation H" and all that jazz.

Yours "aye"



Ian A. Miller

IAM:mm

FOOD RESEARCH INSTITUTE
STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

Telephone: (415) 321-2300

Cable: FOODRES STANFORD

September 22, 1972

Dr. David J. Rogers
Department of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

We have sent a copy of Manioc in Africa to Albuquerque, and you will be billed for it.

Kay and I spent the first week of this month in Mexico City attending the International Congress of Nutrition and also spending some time at CIMMYT and looking over their corn-growing project in Puebla. On the whole, it was enjoyable but I managed to contract Montezuma's revenge for one day and found myself generally bothered by the greasy food and the altitude.

I hope very soon to be in a position to start thinking seriously about my contributions to our book--if there is to be a book.

Best regards to all,

Sincerely,



William O. Jones
Professor and Economist

WOJ:hh



AGP REGISTRY

In reply please mention our
reference and date of this
letter

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61811 FOODAGRI

Telephone: 5797

Ref. AGPE - PL 9/41

SEP. 21 1972

Dear Dave,

four letters

Revising some correspondence I found in one of your letters a point which is of very high interest to me.

Sometime ago I wrote to you on the possibility that you would write a short statement - 4-5 pages of double spacing - on the techniques of collecting, handling and preparing cassava cuttings (and seeds if possible), for a plant introduction handbook. Now, I am finishing the collection of papers, by Harlan, Harries (coconut), Hardon (oil palm), Whitaker (cucurbits), Heiser (Solanum) etc. I checked the correspondence as I thought that I had asked for that paper.

I would like very much to include your contribution, which for you will take a short time to write. But as I have said to other contributors what is the daily experience of a specialist, could be extremely useful to others, particularly to young people who are beginning as collections or are in charge of sending materials.

So I hope that you can get rid of Taxir for a couple of hours, and write this contribution. If you want to have illustrations you may send photos or drawings. Due to the kind of printing done here, drawings come out better. Bibliographic references could also be attached.

With best regards,

Yours sincerely,

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

Dr. D.J. Rogers
Department of Biology
University of Colorado
Boulder
Colorado 80502
U.S.A.

Planning Division,
Kachcheri,
Colombo,
SRI LANKA.

21st September, 1972.

David J. Roger Esqr.,
Taximetrics Laboratory,
University of Colorado,
U.S.A.

Dear Sir,

I have read with interest your article on Cassava and was particularly interested in the section making reference to the possibilities of utilising cassava leaves as a feed for chicken. In Ceylon, where at the moment non-availability of animal feed is acting as a constraint to the further development of animal husbandry, the break-through in cassava leaf research is going to be very helpful.

I shall therefore very grateful if you will kindly give me details of how cassava leaves can be used in compounding feeds, and whether it can be done without extracting the protein component in the leaves, a process technologically and cost-wise beyond our easy reach.

I shall be very grateful if you will send me all the information available with you at an early date.

Yours faithfully,

Mervyn D. De Silva Ph. D., Edif

Dr. Mervyn D. De Silva
Deputy Director (Planning)

ps. What about HCN content
in leaves?

dw/



UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION
AND SCHOOL OF BUSINESS

September 18, 1972

Dr. William V. Jones, Director
Stanford Food Research Institute
Stanford University
Stanford, California

Dear Bill:

My reason for writing is two fold. First, as you may have heard, I expect to be working in Nairobi for the next couple of years and at the same time Dave Rogers and I expect to continue some of the research we initiated last year on Cassava. Both Dave and I would like to invite your participation in this project. The project is diagnostic and exploratory; A.I.D. wants to foster interests and support for Cassava research both technical and economic. At the same time we have only a very modest budget, yet we'd like to see how with either some travel support or other work assistance there can be some professional gain to you and the project.

The other reason for writing is to suggest that since I'll be in Nairobi, that I'd like to get acquainted with Peter Temu or other researchers in the area that may share interests in agricultural distribution. Perhaps, if occasion permits, I'd appreciate hearing of people where mutual interests in research may be served.

Sincerely,

Chuck

Charles C. Clater
CCS:cjs

UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION
AND SCHOOL OF BUSINESS

September 18, 1972

Dr. Clark W. Reynolds
Stanford Food Research Institute
Stanford University
Stanford, California

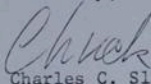
Dear Clark:

I noticed in a copy of the Campus Report that happened to come my way that you are embarking on a study of Latin American financial institutions. I think it is an excellent area for research and feel sure your work will yield significant results.

Let me suggest a researchable area of financial institutions that may prove quite interesting - The channel funds serving the urban food markets. From the time food commodities leave the shelter of price support institutions until they are on the table, commercial support is often quite limited. In our northeastern Brazilian work we urged a series of modest facilitative financing systems be fostered to help get food to market and inputs to farmers. This financial constraint may be critical in maintaining the high share of urban income devoted to food.

I'll be in Nairobi on a Ford assignment for the next two years, advising on Agriculture Policy and Marketing Policy. Good luck on your work.

Sincerely,



Charles C. Slater

CCS:cjs



AGP REGISTRY

In reply please mention our FOOD AND AGRICULTURE ORGANIZATION
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letter

Via delle Terme di Caracalla, 00100-ROME

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Telephone: 5797

Ref. AGPE - PL 2/8

PERSONAL

SEP. 14 1972

Dear Dave,

On my return today to the office, I found your letter of 17 August and the draft of the pilot project. As you want the comments by 15 September, I am sending you this personal letter, with no copies to other interested persons for reasons that you will find below.

First, as a whole your draft is very good in stating the objectives, structure and functions. However, you base it (in your Foreword) on resolutions taken by a small meeting, at which many of the interested parties were not represented. Also I don't think the appointment of certain people, no matter what their abilities and my personal sympathies for them, is something that should be stated in the preliminary phase of the project. Also the choice of potatoes is quite doubtful as good starting point. You may not know it, but there is an International Potato Centre, backed financially by TAC and supported by the Rockefeller Foundation and the governments of Holland, Germany, Peru, etc. It is to this Centre, and not to any other institution, that the proposed part of the project should be attached, if you want to obtain some funds for it.

I believe you should take the proposal to the March Conference, as your own personal contribution. Then let the meeting discuss it, and once approved, to incorporate in the group that is going to be established here with TAC support. This project was already approved by TAC, and includes as a very important component, the documentation section as outlined at the Izmir meeting. It is within this setup that you could make the best contribution.

Please let me know your reaction to this letter. It is written with the best of intentions, and please don't take

Jorge

Dr. David J. Rogers
Professor of Biology
University of Colorado
Boulder
Colorado 80302
U.S.A.

it as a criticism of your plans, which again I think are excellent, but about which I have serious doubts as to their implementation.

With best regards to Connie and yourself,

Yours sincerely,

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

Handwritten notes:

1) Can you help us get data
 (Chromosome number) from PIC -
 Herbarium - for this research
 project of 20 - 21 late 1960

2) If we have from PIC, can
 do you suggest what was a
 hypothesis for our comparative

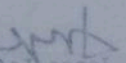
3) Well a little use useful color
 I had found some clump with
 for similar material. Don't take credit
 in this that was that - please contact person
 at the office

Vertical note on right:
 what about
 to our list
 "substantive" part?

it as a criticism of your plans, which again I think are excellent, but about which I have serious doubts as to their implementation.

With best regards to Connie and yourself,

Yours sincerely,


Dr. George Beal
Chief

Crop Ecology and Genetic Resources Unit

Joe

1) all you saying:

- ① don't work with USDA/steve Bly? due to "political" repercussions?
- ② can you help us get data (machine readable) from IPC - non-competitive - for this research project. If so - I'll take it on
- ③ if no data from IPC, who do you suggest - what crop is important but non-competitive.

Who should be an ad hoc evaluation ^{event?}?

④ will still use USDA/Bob Collins

2) I had hoped to work closely with you Frankel / Hanken. I want to be involved in this / the major pilot. Please comment ^{on the politic} resource

IRP/FAC Tech. Conf. Rome

John
JOHN INNES INSTITUTE

COLNEY LANE, NORWICH, NOR70F

Norwich S2571

BS/td

13th September, 1972.

Dr. D. J. Rogers,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

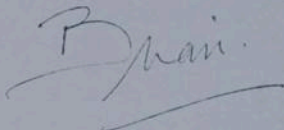
Dear Dave,

Here, as promised, are a few thoughts on the talk you have asked me to give in Rome. As I see it, being the first speaker, I would need to define the objectives and the agreements in quite general terms in order to let the more specific points be made by the other speakers.

I am enclosing for your comments an alternative title together with a few notes on the way I see this introductory talk being presented. Perhaps you would be good enough to look this over and let me know if you think it fits in with the framework you have in mind for this session.

Kind regards,

Yours sincerely,



B. Snoed.
Dept. of Applied Genetics.

JOHN INNES INSTITUTION

COLNEY LANE, NORWICH, NOR 70F

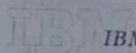
Norwich 52571

-2-

The structure, organisation and collection of gene bank data.

1. Introduction based upon Izmir and Birmingham conclusions.
2. Definition of a gene bank.
3. The functions of a gene bank.
4. The types of data to be collected; based upon experience with Pisum where the records are far more detailed than would be necessary in a gene bank. Move on to other genera with details of other IR systems and data.
5. Recording methods for field and laboratory which incorporate some degree of standardisation.
6. Computer systems which by their very nature would give some degree of flexibility in order to overcome rigid standardisation.
7. Conclusions and predictions regarding an international network of gene banks.

J.S.
13-9-72



IBM World Trade Corporation

#21 United Nations Plaza
New York, N. Y. 10017
(Code 212) 983-6600
Cable address: Inbusworld

September 13, 1972

Dr. David J. Rogers
Professor of Biology
Department of Environmental,
Population & Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Professor Rogers:

I am responding to your letter of September 6 to Mr. R. J. Currie, inasmuch as its subject falls within my area of responsibility.

I want to thank you for bringing this request to our attention. We are certainly interested in problems of this nature, particularly those involving developing countries and the perpetuity of the world's food supply. In all honesty, I must inform you however that I can offer no assurances that IBM will respond favorably to your request, but we will give it careful consideration.

In matters of this kind we ask for assistance from our local management. I have therefore taken the liberty of forwarding your letter to Mr. B. J. de Luze at the address cited below. I am sure that Mr. de Luze, or a member of his staff, will contact Professor Taysi after he has had an opportunity to review your correspondence.

In the interim, it would be helpful if you could provide me with some additional information regarding the project in Turkey. For example, how long has it been going on, is it unique or part of a world-wide effort, are there any publications available on the results of this work to date, and what is your role in this activity.

I look forward to hearing from you.

Sincerely,

Dr. Gary S. Kozak, Manager
Education & Scientific Relations

GSK:mak

cc: Mr. B. R. de Luze
General Manager
IBM Turk Limited Sirketi
Posta Kutusu 839, Karakoy
Istanbul, Turkey

September 13, 1972

Dr. David J. Rogers
Professor of Biology
Department of Environmental,
Population & Organismic Biology
University of Colorado
Boulder, Colorado 80302

Dear Professor Rogers:

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I look forward to hearing from you.

Sincerely,



Dr. Gary S. Kozak, Manager
Education & Scientific Relations

GSK:mak

cc: Mr. B. R. de Luze
General Manager
IBM Turk Limited Sirketi
Posta Kutusu 839, Karakoy
Istanbul, Turkey

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
~~OFFICE OF RESEARCH AND EXTENSION~~
FEDERAL EXPERIMENT STATION
MAYAGUEZ, PUERTO RICO 00708

September 15, 1972

AIRMAIL


Dr. David Rogers
Dept. of Biology
University of Colorado
Boulder, Colorado 70302

Dear Dave:

I am sending herewith the 5th section of the study "Utilization of Cassava Variability on an International Basis". I would appreciate any comments or criticisms you care to make on it. This particular section follows closely the CIAT publication on field testing, and I hope to elicit a good criticism of it.

I am now ready for contributions on the following section, "Assembly and Inter-change of Relevant Data".

Sincerely,


Franklin W. Martin
Plant Geneticist

Enclosure

THE NEW YORK BOTANICAL GARDEN
BRONX • NEW YORK 10458 212/933-9400



Report filed
under
Separate Cover
See: J.R.

September 13, 1972

Dr. D. J. Rogers
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dave:

I thought you would be interested to see what I have proposed to Dr. Irwin as our EDP needs. I hope that Taxir is presented accurately. I will be interested in your comments. I hope that now we can have some action on it.

With best wishes.

Sincerely yours,

Ghilleen T. France
Curator

GTP:JT
Enc.

Requests for Taxir on TAXIR

ARBORETET PÅ MILDE,
University of Bergen,
P.O.Box 12, 5014 Bergen,
NORWAY.

8.9.1972.

(off)
null

Dr. Dave Rogers,
Gulf Universities Research Consortium,
National Aeronautics & Space Administration,
Mississippi Test Facility,
Bay St Louis,
Miss. 39520,
U. S. A.

Dear Dr Rogers,

During a visit to the Royal Botanic Gardens of Kew in London I had the pleasure to meet the director of the garden Professor J. Heslop-Harrison, who told me of the TAXIR system developed by you.

The arboreta in Scandinavia recently decided on a closer cooperation, and a nordic committee has now been established. One of the most pressing tasks for this committee is to introduce a common registration system which would be obligatory if we should be able to do comparative research between our arboreta.

Professor Heslop-Harrison recommended me to take contact with you and I therefor take the liberty to ask you if I could get some information of the TAXIR system.

I have been in contact with Robert D. MacDonald, director of The AHS Plant Records Center, who has been so kind to send me quite a bit of information concerning this center.

Before adapting a system for Scandinavia I should be grateful to learn more of the TAXIR system which by Mr Heslop-Harrison was designated as the most up to date and probably the hitherto best developed system of its kind.

Yours sincerely

Poul Søndergaard

Poul Søndergaard

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

Dr. David J. Rogers
Professor of Biology
Department of Biology
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

Thank you for your letter of 8/28/72. We have no copies of the Cassava report available for distribution at this time, but we have ordered a new printing of 500 copies. Your request for two copies of the report has been noted. They will be sent to you as soon as the new printing has been received.

The final presentation of the Georgia Group was received well. We were pleasantly surprised that the final write-up turned out as well as it did, though we recognize it still leaves something to be desired.

As for as this office goes we do not now plan to give further support to cassava, other than that which AID contributes through the CIAT. We are concentrating this office's efforts in crop development on the cereals and the grain legumes.

When you come to Washington in October I hope you will stop by to see Dr. Litzenberger and myself. We would like to talk with you about your thoughts for the future of Cassava research. If you can give us advance notice of your trip here, either one or possibly both of us will try to be available.

Sincerely,

Charles A. Breitenbach
Charles A. Breitenbach
Agriculture Specialist
Agriculture Operations Division
Office of Agriculture
Bureau for Technical Assistance

THE UNIVERSITY OF GEORGIA
OFFICE OF THE VICE PRESIDENT
FOR BUSINESS AND FINANCE
ATHENS, GEORGIA 30601

TREASURY DIVISION

September 8, 1972

Mr. Gilbert Hersh
Taximetrics Lab
Department of Biology
Hale Hall 114
University of Colorado
Boulder, Colorado 80302

Dear Mr. Hersh:

This will confirm our telephone conversation of September 7, 1972, regarding the payment to the University of Colorado under the AID Cassava contract. We have billed AID and will send payment as soon as we receive a check from AID.

Sincerely yours,

H. Newell Crumley

H. Newell Crumley
Contracts and Grants

HNC:dw

In file
H

Copy
to Stilson 9/11/72
Copy in 7905-93
folder

H

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

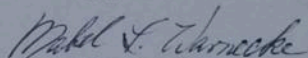
September 7, 1972

Mr. Gilbert N. Hersh
Dept of Environmental, Population
and Organismic Biology
University of Colorado
Boulder, Colorado 80302

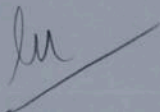
Dear Mr. Hersh:

Thank you for returning the report, "IRES Lovanium,
RESULTATS de l'ENQUETE sur les CONDITIONS de VIE a
KINSHASA." I am sending it by diplomatic pouch to
James Purcell at USAID/Kinshasa.

Sincerely yours,



(Miss) Mabel L. Warnecke
Zaire Desk Officer



Rogers

September 6, 1972

James W. Torrence, Jr., Sales Manager
Stanford University Press

Helen B. Hoff, Administrative Assistant
Food Research Institute

Book order.

Will you please send a copy of Manioc in Africa, by William O. Jones,
to:

Engo. Agrono. Milton de Albuquerque
Instituto de Pesquisa Agropecuaria do Norte-IPEAN
Caixa Postal, 48
66.000 Belem, Para
Brasil

Please send the bill to:

Dr. David J. Rogers
Department of Environmental,
Population and Organismic Biology
University of Colorado
Boulder, Colorado 80302

(Dr. Rogers requested this in a letter to Professor Jones dated August 21,
1972.)

Thank you.

cc: D. J. Rogers
W. O. Jones

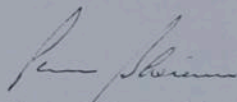
September 5, 1972.

Dr. David Rogers,
Department of Biology,
University of Colorado,
Boulder, Colorado 80302.

Dear Sir:

As I am very interested in the work that has been on the use of computers in the compilation of ecological data and the classification of plants, Pierre Dansereau suggested that your research is very pertinent. I would be most grateful if you could send me a list of your publications.

Thanking you in advance,



Pierre Bêreux, M.Eng.,
Professeur,
Département des Sciences biologiques,
1200, rue St-Alexandre,
Université du Québec à Montréal,
Montréal 101, Québec,
Canada.

PB/jd

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

August 31, 1972

Dr. D. J. Rogers
Department of Botany and
Plant Pathology
Colorado State University
Fort Collins, Colorado 80521

Ref: P3B0276

Dear Colleague:

We would greatly appreciate your help in evaluating the enclosed proposal. In order to obtain a fair and critical review for every proposal, the Foundation relies heavily on experts in each field.

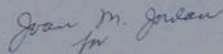
Your critical review of the merits of the project will be of great value. Aspects which may enter into such an evaluation include the relative importance, feasibility, and conceptual framework of the project. You may also wish to consider the capacity of the investigator to conduct successfully the contemplated project, as evidenced by his description of developments in the field; his presentation of the proposed project; and his training and research contributions. If the facilities described seem adequate, this should be noted.

Please rate the proposal at the bottom of the evaluation sheet according to the scientific merit of the project. Budgetary aspects should not enter into the rating, but of course your comments on the budget are welcome.

Your comments on the project will be treated as confidential. The proposal and one copy of the evaluation sheet may be retained for your file. The proposal itself should be considered as a privileged document.

We would like to thank you in advance for your help in making our proposal review process a judicious one.

Sincerely yours,



John L. Brooks
Program Director for
General Ecology

Enclosures



World Farming

THE MAGAZINE OF MODERN AGRICULTURE

Published by:
Agricultura de las Américas
1014 WYANDOTTE STREET
KANSAS CITY, MO. 64105, U.S.A.
CODE 913-888-4664

9112

Mr. David J. Rogers
Taximetrics Lab.
University of Colorado
Boulder, Colorado 80302

Dear Mr. Rogers:

Enclosed is a response to the article, "What's so great about Cassava?".

Would you be able to provide this gentleman with the information he seeks?

Thank you.

Sincerely,

Rollie Henkes
Editor



Subsidiary of Howard W. Sams & Co., Inc.



CARE INC.

COOPERATIVE FOR AMERICAN RELIEF EVERYWHERE, Inc.

P. O. Box 612
BELIZE CITY, BRITISH HONDURAS

August 22, 1972

CABLE: CAREBEL
BELIZE

Reference: 35-73

Roller

Mr. Kenneth Long
Technical Services
World Farming
1014 Wyandotte Street
Kansas City, Missouri 64105
U. S. A.

Dear Mr. Long:

Going through some of last year's copies of World Farming, I came upon an excellent article about cassava ("WHAT'S SO GREAT ABOUT CASSAVA", July 1971) and would like to learn a bit more about it.

I am particularly intrigued over the use of cassava in livestock feeding, specifically cattle. In another Department of the same issue the use of the cassava tuber for making insilage was discussed. I wonder in that connection why the high protein leaves were not used as well?

I would very much like to have a listing of Journals or Monographs that have treated the subject of cassava as a cattle feed.

Sincerely,

Neil R. Huff
CARE Director

dls

CSIROAIR MAIL

DIVISION OF PLANT INDUSTRY

P.O. BOX 1600, CANBERRA CITY, A.C.T. 2601

TELEPHONE 48 7722

TELEGRAMS PLANTINDUSTRY CANBERRA

TELEX 62351

OHF:JFW

Ref:

22nd August, 1972.

Dr. D.J. Rogers,
Department of Environmental Population
and Organismic Biology,
University of Colorado,
BOULDER. COLORADO. 80302.

Dear Dave,

Thank you very much for your letter of August 14. The programme looks fine, and I hope you'll get full acceptances. I know that Lothar Seidewitz will attend, and that his expenses are met by his institution. The only suggestion I want to make is that you give a brief introduction which prepares the audience for the programme as a whole. Otherwise they are likely to consider the papers as isolated contributions, rather than as parts of a whole. You could explain the nature of the problems and needs, and how the individual papers contribute to their solution.

As regards the Birmingham workshop, I have heard nothing from Jack except that it was successful, that some of the problems of description had to be brought up again because not everyone had been at Izmir, and that he needed money to recover at least some of your expenses. (Of this I had been aware for a long time, and at last IBP agreed to make available the \$150 left to the credit of my activity, and you will have received this by now.)

However, I was glad to see your clarification of the origin and ownership of Taxir and the procedures for its use you recommend. Lothar Albrecht, who attended the meeting, gained the impression that the proposed training period would have to be rather long and hence expensive; something like a year was suggested. Secondly, that the storage capacity required for accommodating Taxir was very large, requiring a computer size usually out of reach for gene banks, especially since nowadays all or most computers are so much in demand that to get access for a very large programme was problematical. I suppose you have an answer to the latter.

Jack did not send me the recommendations hence I don't know about the pilot project but should I be able to see Jack in September in Birmingham, I'll hear about it. This trip is very rushed; unfortunately I shan't be able to drop over to visit either Cal - who sent me a warm invitation - nor you. I'll have only 6 days in England (where most of my family live) and may have a day visiting Jack. Then my wife - whom I meet in London - and I go for a long-planned and now much abbreviated holiday in Greece (mainly Crete) of only 2 weeks, and then for 10 days to Israel, partly duty, partly pleasure, and finally for a month with Jorge in Rome to prepare the FAO-IBP "survey of genetic resources in the field" for publication to be ready for the Conference.

.../2.

I wrote to you on August 3 that any letters to reach me after August 25 should be addressed c/- Jorge. However, anything you want me to see earlier could be sent to 30 Dunstall Road, London S.W. 20, until September 14, since we are leaving on the 15th.

Best regards.

Yours sincerely,

Otto

(O.H. Frankel)



JM

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. AGPE-PL 10/19 Cassava

AGP REGISTRY

In reply please mention our
reference and date of this
letter

AUG 17 1972

Dear Dr. Hersh,

Thank you for your letter of 7 August regarding Ichsán El Rawl.
Dr. León is on home leave at the moment, but will contact you regarding
your queries when he returns to Rome at the beginning of September.

Yours sincerely,

Secretary to Jorge León
Chief
Crop Ecology and Genetic Resources Unit
Plant Production and Protection Division

Dr. G. Hersh,
Senior Systems Consultant,
Department of Biology, (Hale 114),
University of Colorado,
Boulder, Colorado 80302,
U.S.A.

IN

August 17, 1972

S/K/OWUSU
Nyanaspala Agricultural
College
Box 347 Tomala
Ghana

Dear Dr. Owusu:

We have been advised by Dr. David J. Rogers, Professor of Biology at the University of Colorado at Boulder Colorado that you are interested in receiving a copy of our new publication on Cassava. Dr. Rogers refers to the publication "A Literature Review and Research Recommendations on Cassava" which was prepared by the University of Georgia under AID Contract Number csd 2497.

I regret that this publication is already in short supply and that as a consequence we will have to curtail its distribution severely. It is hoped that you will share the attached copy of this Literature Review with other of your Colleagues who may be interested in it.

Sincerely,

✓ Charles A. Breitenbach
Agriculture Specialist
Office of Agriculture
Bureau for Technical Assistance

Attachment
a/s

cc: ✓ DJRogers, Univ. of Colo.
TA/AGR, OJKalley

TA/AGR, CABreitenbach:atb:8/T/72

August 16, 1972

Mr. Clinton E. Jeffers
Commissioner
Colorado Department of Agriculture
406 State Services Building
1525 Sherman Street
Denver, Colorado 80203

Dear Mr. Jeffers:

As you know, Professor R. Curtis Johnson is on leave for this coming semester and thus cannot serve on your Scientific Advisory Committee. In view of this, I would like to act to appoint Dr. David Rogers of our Department of Biology to serve in his place until Dr. Johnson returns. I am sure that Dr. Rogers can provide you with very sound scientific advice and that he will be willing to serve in this capacity.

Very sincerely,

F. P. Thieme
President

FPT:js
cc; Dr. David Rogers ✓

State Office Block
Phillip Street
Sydney, New South Wales, Australia. 2000

11th August 1972

Aug 11 72

Copy of ltr from Earl Jones
(Australia)

Mr. Earl Jones,
11111th Street, Colorado,
Boulder, Colorado, 80302 U.S.A.

Dear Mr. Jones:

I shall be visiting the United States, Canada and England in the period
from August to early October, primarily for the purpose of looking at various
herbaria and gathering information relative to what and which collections of
plant material are being made in the process of establishing a
national herbarium and other matters connected with it we will, of course, want to
know about efficient methods of storage and retrieval systems.

My itinerary in the United States includes visits to the National Gene
Storage Laboratory at Fort Collins, Colorado with Dr. Craddock in connection with
the U.S. World Wide Collection Experiment at Beltsville, Maryland; the Plant
System Application Division of the U.S.D.A., Agricultural Research Station
at Beltsville and also Dr. Fouast at Washington State University.

Since enlarging this itinerary, I have come across several references
to the FAXER system which you have developed and I thought that, while I am in
Colorado, I should endeavor to arrange a visit with you to obtain details of
this system.

I will be at Fort Collins on Monday 28th and Tuesday 29th August.
My next engagements are at Beltsville on Friday 1st September. Subject to an being
convenient to you I could therefore have Wednesday 30th and Thursday 31st August
with you as desired.

It is, naturally, quite unprobable to you, I would, if there
is anyone else at Boulder who could have a talk with me about FAXER this visit.
To doubt I shall pick up something on FAXER elsewhere in the course of my travels
- for example, in discussion with Dr. Yonak and with Professor Foster at the
University of Birmingham, England - but I would still like to go over the
system with you or one of your colleagues.

If I shall be leaving Sydney on Monday 21st August, would you kindly
let me know whether the suggested dates are suitable by addressing a note to
Dr. W. Craddock at the Aberdeen Research Experiment Station, Aberdeen, WAH 621
6321 where I expect to be from 21st to 26th August), or c/- Mr. Louis Clark,
National Gene Storage Laboratory, 1111th Street, Colorado, 80302 (28th and 29th
August).

I apologise for the short notice, but I do hope we can arrange
something along these lines.

Yours sincerely,

Earl Jones
AN System Clinic

See file - FAXER which
Earl Jones Australia

THE UNIVERSITY OF MICHIGAN
DEPARTMENT OF BOTANY
ANN ARBOR, MICHIGAN 48104

AREA CODE 313
764-1440

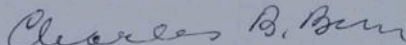
July 31, 1972

David J. Rogers
Professor of Biology
Biology Department
University of Colorado
Boulder, Colorado 80302

Dear Dr. Rogers:

I am grateful for your letter of evaluation of George Estabrook. It will contribute importantly to our proposal to the Dean that George be provided a regular appointment as Assistant Professor of Botany.

Sincerely,



Charles B. Beck
Chairman

CBB/ca

Belém, 29 de Julho de 1972

Caro amigo Rogers:

Mais uma vez te escrevo pedindo um favor.

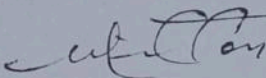
Queria, caso possível, que me orientasses/ sôbre o que devo fazer para adquirir um exemplar do conhecido livro de W.O. Jones "Manioc in Africa". Embora tenha sido editado em 1959, até hoje não consegui adquirir a obra, a qual também não existe na Biblioteca do IPEAN. Gostaria não sômente de conhecer o livro como também de enriquecer minha pequena coleção de trabalhos sôbre Mandioca.

Muito agradecerei, portanto, uma indicação do local de aquisição, do preço e das possibilidades de envio.

Desejando ao bom amigo e família muita paz e tranquilidade, aqui estaremos sempre à disposição para o que estiver ao nosso alcance.

Pedindo excusas pelo trabalho que estou dando,

Um forte abraço do



~~____~~ MILTON DE ALBUQUERQUE

Nota - Gostaria também de receber separatas de tuas últimas publicações, após 1970.

INTERNATIONAL BIOLOGICAL PROGRAMME

CENTRAL OFFICE:
7 MARLBORNE ROAD
LONDON NW1 5HB
England
TELEPHONE: 01-580 3852
CABLES: BIOLOGPRO LONDON

PRESIDENT: F. BOURLIERE (PARIS)
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H. TAMMAYA (TOKYO)
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I. MALEK (PRAGUE)
SCIENTIFIC DIRECTOR: E. B. WORTHINGTON (LONDON)

24 July 1972

3.07/1

Prof. J. G. Hawkes,
Department of Botany,
The University of Birmingham,
P.O. Box 363,
Birmingham B15 2TT.

Dear Professor Hawkes,

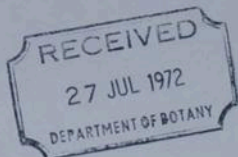
Plant Gene Pools

Since writing my letter of 19 July and receiving your secretary's note of 20 July that you are away, I have had a further letter on this subject from Sir Otto Frankel saying that he had heard from you that the meeting in Birmingham has already been held successfully and that Dr. David Rogers, who came from the United States at his own expense, is in need of some assistance towards travel costs. I therefore enclose cheque for \$150 mentioned in my previous letter made out in favour of Dr. David Rogers together with a receipt form for return here. Since I do not have Dr. Rogers' address, perhaps your secretary will forward to him the cheque and receipt form together with a copy of this letter which is enclosed.

Yours sincerely,

E. B. Worthington

Enclosures



THE NEW YORK BOTANICAL GARDEN
BRONX • NEW YORK 10458  212/933-9400

July 18, 1972

Dr. David J. Rogers
GURK
Mississippi Test Facility
Bay St. Louis, Mississippi 39520

Dear Dave:

I have checked into your query about the *Manihot* ms. submitted to Economic Botany and have found out that the piece is set in type. Although Joe Sutton is now on vacation it is reasonable for us to assume that publication is imminent.

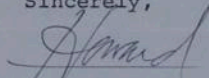
Sorry to be so slow in responding to this but somehow I don't seem to be able to get everything done that I'd like to. Nothing novel in that, but it is terribly frustrating.

We'll be moving to Riverdale in a week, so I'll be able to gain a couple of hours daily that are otherwise consumed in commutation.

I'm anxiously awaiting Iain Prance's EDP report, due in a couple of weeks, which I hope will provide us a basis for action in this area.

With best wishes to you and Connie,

Sincerely,



Howard S. Irwin
Executive Director

HSI:cr

Genetiska Institutionen

Lunds Universitet

Institute of Genetics

University of Lund

Sölvegatan 29

S-223 62 LUND, Sweden

*Publicistiska
Legenda*

June 24, 1972.

Dr. David J. ROGERS,
Department of Biology,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

Dear Dave:

Here is a little problem for you. I hope this letter will reach you in time: Askell, whom we met 3 weeks ago, told me that you were not in California any more - so I try to join you in Boulder, now.

The problem concerns the paper you wrote with Appan which is supposed to be published by the Colorado Associate University Press. I am referring to it in the publication of my dissertation, which is supposed to come out in the August issue of Taxon, but I still don't have the complete reference. Page 22 of the proofs - which I sent back to Frans Stafleu today - I refer to your paper (line 12) as Rogers and Appan (197). Then in the bibliography, page 26 of the proofs, lines 17-18, I wrote:

Rogers, D. J. and S. G. Appan 197 - The North American species of Manihot delimited by computer aided taximetric methods. Colorado Associate Univ. Press (in press).

So, if you have the complete reference by now, would you be so kind as to write a little note to Frans Stafleu, giving him the corrections (with reference to the two pages of my manuscript, entitled "The definition of systematic categories in biology"). I told him that I was going to ask you to write to him about this, if I can reach you in time !

Otherwise, here, everything is still very, very interesting. And I will be sorry to leave, in the middle of August, to go back in Montréal, where I got a job as a senior research scientist in the newly formed Centre de Recherches écologiques de Montréal, Université du Québec à Montréal, C. P. 8888, Montréal 101, Québec.

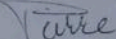
This is an inter-disciplinary group of research, and the job involves also some teaching. I think it will be quite interesting, especially since this group is so new that it will not be paralyzed with structures ! One of the heads of the group is Pierre Dansereau.

Besides a lot of work I want to finish before we leave, we also have some plans to see a little more of Europe this summer: the north of Scandinavia, and also Poland and Tchécoslovaquia (this is the French spelling: I don't know the English one. In Swedish, this word spells different again !) where we want to visit Mendel's place. So much to see and understand !

I still do not know when our taximetric paper is going to be published. In the meantime, you can watch in the next issue of Systematic Zoology for the Paper No. 23 of the Taximetrics Laboratory: this Salmo study that I made together with the people of Fort Collins.

I hope to see you at least next summer in Boulder, at the Congress of Biosystematics, or whatever it is called now. But in the meantime, if your wife and you are coming to Montréal, just let us know !

The best from both of us,



Pierre Legendre

June 26, 1972
1920 Francisco St. #206
Berkeley, California 94709

Professor David J. Rogers
Taximetric Laboratory
University of Colorado
Boulder, Colorado 80303

Dear Prof. Rogers,

I am preparing to go to Latin America for my dissertation research on manioc in Brazil. I visited the New York Herbarium last month and so am familiar with your methods of specimen presentation, but, in any case, I would appreciate receiving a copy of the format which you think is appropriate to manioc collections. Please, if possible, send me a copy of collection instructions to:

Carole S. Brow
c/o Organization for Tropical Studies
Universidad de Costa Rica
Ciudad Universitaria
Costa Rica

Thank you very much for your consideration in this matter.

Sincerely yours,

Carole S. Brow
Carole S. Brow

26-7-72

Enfile

Dear Sir,

I am very much happy to introduce myself to you to day. I am a student of Agricultural Training College Nyankpala via Tamale Ghana.

My only problem is that I wrote to World Farming that, is the magazine of modern agriculture to give me some information on Cassava (CASSAVA) and they also have asked me to contact you for such information. So with a deep respect I hope you will not give dead eyes ear to my request, by sending me any magazine or any bulletin which deal with the Cassava because it is my ~~best subject~~ ^{my} humble request would meet your kind consideration and approval.

I have the honour to be

Sir

Your obedient servant

AID CSO/2497

3/72

A. G. N. and
K. N. K. or
or Cassava

→ Muntamun
→

Sender's name and address S. K. Owusu
Nyankepa Agricultural College
Box 347 TAMALE GHANA

AN AIR LETTER SHOULD NOT CONTAIN ANY
ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED
OR SENT BY ORDINARY MAIL

Mr. David I Rogers
Taximetrics Lab.
University of Colorado
Boulder, Colorado 80302 USA



BY AIR MAIL
AÉROGRAMME
AIR LETTER

Department of Soils,
Kasetsart University,
BANGKOK,
Thailand.

25th May, 1971.

Dr. D. J. Rogers,
Taximetrics Laboratory,
University of Colorado,
Boulder,
Colorado 80302,
U.S.A.

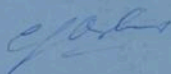
Dear Dr. Rogers,

I have recently become interested in the mineral nutrition of Cassava, which is an important crop in south eastern Thailand. However I have so far had little success in my attempts to find published information on deficiency symptoms or on nutrient concentrations needed in the tissues for healthy growth.

I would be most grateful for any published or unpublished information which you may have on cassava nutrition or for suggestions as to where I might seek such information.

Thanking you.

Yours sincerely,



C.J. ASHER,
S.E.A.T.O. Professor.

Response?
none

Reply made
8/9/72
Refer to Georgia report.



FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

AGR REGISTRY

In reply please mention our

Via delle Terme di Caracalla, 00100-ROME, I

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. AGPE - PL 7/25

MAY 25 1972

Dear Dave,

I have pleasure in advising that approval has been given to proceed with arrangements for the FAO/IBP Technical Conference on Crop Genetic Resources which was a subject of discussions at the recent ad hoc meeting of the FAO Panel of Experts on Plant Exploration and Introduction at Beltsville. Travel support will be provided in equal shares by FAC and IBP, and FAO will also be responsible for the essential conference papers and simultaneous translation. The date of the conference has been fixed for 12-16 March 1973 in Rome.

The enclosed programme outline, except for minor modifications, follows the draft agreed to at the Beltsville meeting. It shows the areas of responsibility which section conveners have agreed to undertake. It will now be their task to plan the programme in detail and to select and negotiate with prospective contributors. For your guidance, the funds available would permit support for about 12 contributors to sections 2-5 at an average of \$1,000, i.e. \$850 for travel and \$150 for per diem. However, some contributors may be able to draw on national or institutional sources at least for part of their requirements, some may have other engagements in Europe, and some may contribute to more than one section. A scheduled meeting of the FAO Panel either immediately before or after the conference will bring its members to Rome.

Although travel costs must be taken into consideration - it would, e.g. not be possible to support a substantial number from Australia, Japan, or Western USA - we should ensure that the panel of speakers is broadly representative.

Sir Otto Frankel has undertaken to coordinate the scientific programme. It would be greatly appreciated if you would prepare and send to him (with an information copy to me) the proposed programme for your section, a list of selected speakers, likelihood of acceptance, financial requirements if known, and order of

Dr. David J. Rogers
Project Coordinator
Gulf Universities Research Consortium
Bay St. Louis
Mississippi 39520
U.S.A.

priority, as soon as convenient, but not later than 30 June 1972. This will greatly facilitate coordination of the programme and early decisions on participation and financial support. Any suggestions on the programme or the organization of the conference will be greatly appreciated.

The structure of the conference cannot be determined until section programmes are defined in outline. Of the ten half-days available, formal sessions at the beginning and end of the conference, country reports (3.2 and 6.2), and sections 1 and 6.1 are likely to take up at least three, leaving seven or less for sections 2-5 and 7. This should give you an idea of the scope for these sections.

It has been decided to reduce pre-conference working papers - which would constitute a substantial financial burden - to the minimum required by regulations. Authors will be required to supply an abstract of not more than 500 words in their own language, and FAO will prepare translations. Abstracts must be received at FAO not later than 30 November 1972.

IBP has undertaken to publish selected conference papers as one of its "synthesis" volumes. Manuscripts should be supplied by authors not later than two months prior to the commencement of the conference.

Would you kindly inform Sir Otto of your acceptance, and let him have any comments or suggestions you wish to offer.

With best regards,

Yours sincerely,

Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

23 May 1973

FAO/IEP TECHNICAL CONFERENCE
ON CROP GENETIC RESOURCES

Rome, 12-16 March 1973

SCIENTIFIC TOPICS

1. Surveys of Genetic Resources
(organizers: Frankel, León)
2. Population Genetics - scientific aspects
(organizer: Marshall)
 - 2.1 Methodology
 - 2.2 Population problems
 - 2.3 Population management, i.e. sorghum, maize, alfalfa
3. Exploration
(organizer: Harlan)
 - 3.1 Descriptive methods of exploration
 - 3.2 Recent and proposed activities by countries
4. Evaluation
(organizer: Bonner)
 - 4.1 Breeding aspects
 - 4.2 Methodology - International rust nurseries; protein and oil profiles; RMR; physiological resistance to environment; host/parasite relations - indexing
5. Conservation
(organizer: Hawkes)
 - 5.1 Seed physiology
 - 5.2 Vegetative materials (meristem culture)
 - 5.3 Pollen
 - 5.4 Cell techniques
 - 5.5 Roots, tubers, rhizomes
6. Genetic Resources Centres
(organizer: Frankel)
 - 6.1 International network
 - 6.2 Regional and national activities
7. Documentation
(organizer: Rogers)



AGP REGISTRY
In reply please mention our
reference and date of this letter
FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100-ROME

Cables: FOODAGRI ROME

Telex: 61181 FOODAGRI

Telephone: 5797

Ref. PE 13/1 (Rogers)

MAY 23 1972

Dear Dave,

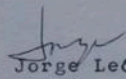
Thanks for your letter of 15 May. It was a pleasure to have Connie and you here, and we hope you may return soon.

I called Mr. Wrigley of the Computer Office, and he said he sent the TAXIR copy to you yesterday.

In a recent letter from Sir Otto Frankel, he mentions your contribution to the Izmir meeting. He is very much impressed with your attitude.

Best regards,

Yours sincerely,


Dr. Jorge León
Chief

Crop Ecology and Genetic Resources Unit

Dr. David J. Rogers
Project Coordinator
Gulf Universities Research Consortium
GURC Field Office
NASA/Mississippi Test Facility
Bay St. Louis
Mississippi 39520
U.S.A.

Filosofisch Instituut
 Heidelberglaan 2
 „De Uithof“, Utrecht, Netherlands
 Telefoon (030) 531831

Utrecht, April 7, 1972

No.:

Onderwerp:

Dear Dave,

I am coming to Boulder to a symposium on the theory of computation of the Assoc. for Comp. Machinery in the first week of May, and it would be nice if we could get together at that time.

It seems that I also have a tentative invitation to speak at a theoretical biology seminar at Boulder during that time, but I have no details on that yet.

We have been getting quite a bit of results, both mathematically and with the computer, on our cellular developmental models, and this is what I am going to talk about at the symposium as well as at the University.

I am sending you a copy of a recent review article on these things.

I hope that ~~the~~ everything is going well with you here, and looking forward to seeing you again,

Best regards,

Amihid



WEBER STATE COLLEGE

OGDEN, UTAH 84403

Office of the
DEPARTMENT OF SOCIOLOGY
AND ANTHROPOLOGY

President
WILLIAM F. MILLER

March 22, 1972

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

Dear Dr. Rogers:

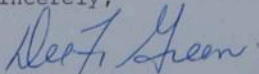
For the past two years, I, along with several other graduate students in the Anthropology Department (Archaeology) at Arizona State University in Tempe, have been using the cluster analysis program written by you and your staff and slightly modified by Carol Good, who is with the Computer Center at ASU. Our applications have been generally attempts to get at some of the problems involved with classification of archaeological data and our results have been extremely promising.

In the course of using the program in a dissertation problem, two questions have arisen that I am directing to you in the hope that you may be able to help me. The first question involves obtaining the formulae that are used in computing not only the C-Values but all operations in the cluster analysis. I would be indeed grateful if you could furnish them.

Secondly, I have recently made eight runs of data using the CDC 6400 located at ASU that had attribute and object loads close to the capacity for the program, i.e., over 500 objects with over 50 attributes for each object. In the course of these runs, it became apparent that estimating the time needed for a run with these large groups of data was extremely difficult when basing the estimation on the time required for shorter runs. The time appears to increase 'geometrically' as the number of objects increases. This is undoubtedly associated with the computation of the C-Value for all possible pairs. If you have some system for approximating the time required for a run, especially for these larger jobs, I would appreciate knowing about it.

I look forward to hearing from you in regard to these questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dee F. Green". The signature is written in a cursive style with a large initial "D".

Dee F. Green
Assistant Professor, Anthropology
Weber State College

DFG: khh

File - Taxometrics
Correspondence

THE ACADEMY OF NATURAL SCIENCES

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19103

Phone LO 4-3921 Area Code 215

January 18, 1972

Dr. David J. Rogers
Taximetrics Laboratory
Department of Biology
Armory 101
University of Colorado
Boulder, Colorado 80302

Dear Dave

John Hendrickson and I are working on a review of various approaches to Numerical Taxonomy* (including phenetics, cladistics and phyletics), with particular emphasis on applications to insects and mites. Although we are covering a variety of literature sources, it seems likely that we shall miss some significant, key articles which have recently been completed, are in press or in preparation. If you know of such studies (your own, your students' or co-workers') could you please send us a note as soon as possible so we can consider them for citation?

Thank you.

Sincerely,

Wayne

W. Wayne Moss
Assoc. Curator & Chairman
Dept. Entomology

Root Crop Symptom
Flaming, Rogers, et al.
Archaeology paper
Hamer Motealf?

Legendre, P. and Rogers D.J.

Characters and Clustering in Taxonomy:
A synthesis of two Taximetric Procedures. 1972,
in press (Taxon -)
www:km

*incl. taximetrics, taxometrics, etc.!

Archie's thesis?
Legendre's paper in Taxon -
Stearns,
Bishop
Appard thesis
Ms in E.B.
" " Fl. Neotropical
Send my list of publications.
Allen Hale's thesis

RESEARCH / MUSEUM / EDUCATION