



Hunt Institute for Botanical Documentation
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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.


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//*****
//%                               ***
//%           EXIR2.5 JCL --- TO CREATE DATA BANK *
//%                               *
//*****

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ID " NORTH CENTRAL REGIONAL PLANT INTRODUCTION STATION DATA "

DEFINE DESCRIPTORS 59

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PREFIX (1,TEXT,3),
PI NUMBER(2, ORDER, FROM 23000 TO 382000 ),
GENUS(3,NAME,10) ,
SPECIES (4,NAME,26) ,
SOURCE (5,NAME,84) ,
CULTIVAR (6,TEXT,20) ,
SEEDLING VIGOR BEST (7,ORDER, FROM 1 TO 9 ) ,
SEEDLING VIGOR POOREST (8, =7 ) ,
SPRING VIGOR BEST (9, =7) ,
SPRING VIGOR POOREST (10, =7) ,
FALL VIGOR BEST (11, =7) ,
FALL VIGOR POOREST (12, =7) ,
PERCENT SURVIVAL MIN (13,ORDER, FROM 0 TO 100 IN % ) ,
PERCENT SURVIVAL MAX (14, =13 ) ,
PERCENT WINTER INJURY MIN (15, =13) ,
PERCENT WINTER INJURY MAX (16, =13) ,
GROWTH HABIT MIN (17, =7) ,
GROWTH HABIT MAX (18, =7) ,
PLANT HEIGHT MIN(19,ORDER, FROM 0 TO 200 IN CM) ,
PLANT HEIGHT MAX (20, =19) ,
CROWN WIDTH MIN (21, =7) ,
CROWN WIDTH MAX (22, =7) ,
FALL HABIT MIN (23, =7) ,
FALL HABIT MAX (24, =7) ,
FALL HEIGHT MIN (25, =19) ,
FALL HEIGHT MAX (26, =19) ,
LATITUDE(27, ORDER, FROM 0 TO 90 ) ,
FOLIAGE COLOR MIN (28, =7) ,
FOLIAGE COLOR MAX (29, =7) ,
RECOVERY AFTER CUTTING BEST (30, =7) ,
RECOVERY AFTER CUTTING POOREST (31, =7) ,
LEAF NUMBER MOST (32, =7) ,
LEAF NUMBER FEWEST (33, =7) ,
LEAF SIZE LARGEST (34, =7) ,
LEAF SIZE SMALLEST (35, =7) ,
STEM NUMBER MOST (36, =7) ,
STEM NUMBER FEWEST (37, =7) ,
STEM SIZE SMALLEST (38, =7) ,
STEM SIZE LARGEST (39, =7) ,
CHROMOSOME NUMBER MIN (40, ORDER, FROM 8 TO 64 BY 8 ) ,
CHROMOSOME NUMBER MAX (41, =40) ,
SEED PRODUCTION BEST(42, =7) ,
SEED PRODUCTION POOREST (43, =7) ,
FLOWER COLOR PURPLE (44, INATE, 2)
FLOWER COLOR WHITE (45, INATE, 2)

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星

源平の戦あり……日本の星。

This advertisement was prepared to appear in THE BUNGEI SHUNRUI, 1976 Jul. issue
文藝春秋7月号(1976)

夜空にも源平の戦あり……日本の星。

This advertisement was prepared to appear in THE BUNGEI SHUNRUI, 1976 Jul. issue
文藝春秋7月号(1976)

これは『文藝春秋』7月号(1976年)に掲載された企業広告です。「伝えよう私たちの心」と銘打ったこのシリーズ企画は、「姓」から始まり、「河童」「野遊び」「知られざる神々」「包装」「暦」そして、「色」「建築」「町」「星」と展開しながら、日本に伝承する無形の財産——民族の心——を、後世に伝えてゆこうと呼びかけています。

IBM
らいふ 1976年 秋 No.6
1976年10月発行
日本アイビーエム株式会社
編集・印刷 社員コミュニケーションズ/印刷所転載

arable land crops

forage crops

Vegetables & flowers

basic research
作物種類
保管法

作物品種の導入保存, 1次調査, 殖種管理

種子貯蔵
配布管理

寒地・寒冷地向
特殊作物の
導入保存

寒地向特殊
作物の導入
保存

basic ses. within crop groups
部門内
品種
調査

水田作・畑作部門
普通作物の収集,
導入, 保存及び特性
調査

寒地・朝鮮半島
越冬・朝鮮作物の
収集, 導入と飼料用
測定法調査, 測定

野菜・花卉部門
遺伝資源の収集,
導入, 保存, 利用
特性調査, 測定

breeding center
中心地
作

rice	wheat	barley	oatstraw
水稲寒地 耐冷性の 検定 品質検定	水稲冷地 耐病性の 検定 耐病性の 検定 品質の 検定	小麦 育種材料 の導入, 保 存及び特 性調査	大麦 寒地向 品種の 導入, 保 存及び特 性調査

越冬・朝鮮半島
育種材料の
導入, 保存
及び特性
調査

とまと
遺伝資源
の収集,
導入, 保
存, 利用,
特性調査,
測定

national breeding stations
別
試

水稲	朝鮮半島 直接機械 化適性 調査 諸葉枯病 耐病性 時期栽培 用品種 検定	ソルガム 育種材料 の導入, 保 存及び特 性調査	育種材料 の導入, 保 存及び特 性調査
大豆	成分 検定 交配・採 種	大豆 育種材料 の導入, 保 存及び特 性調査	育種材料 の導入, 保 存及び特 性調査
小麦	原料用品 種特性 調査 食用品種 特性 調査	小麦 育種材料 の導入, 保 存及び特 性調査	育種材料 の導入, 保 存及び特 性調査
大麦	特種(耐 病性, 品質)	大麦 育種材料 の導入, 保 存及び特 性調査	寒地向 育種材料 の導入, 保 存, 及び特 性調査
燕麦	特種(耐 病性)	燕麦 育種材料 の導入, 保 存及び特 性調査	寒地向 育種材料 の導入, 保 存, 及び特 性調査

育種材料
の導入, 保
存及び特
性調査

とまと
遺伝資源
の収集,
導入, 保
存, 利用,
特性調査,
測定

breeding station
improvement
Exp. Stations
breeding

指定
試験

水稲	耐冷性 検定 11月病 検定 白葉枯病 検定 耐病性 検定 耐暑性 検定	小麦 寒地向 品種の 導入, 保 存, 及び特 性調査	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査
陸稻	特性 調査	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査
条大麦	品質 調査 中肉 日本育 成 特種(耐 病性)	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査
燕麦	特種(耐 病性)	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査	燕麦 寒地向 品種の 導入, 保 存, 及び特 性調査

燕麦
寒地向
品種の
導入, 保
存, 及び特
性調査

とまと
遺伝資源
の収集,
導入, 保
存, 利用,
特性調査,
測定

遺伝資源に関する部門別, 作物別, 育種支援項目

projects in relation to special breeding programs.

OFFICE ADDRESS : WORLD TRADE CENTER BLDG.
7TH FLOOR
2-4-1 0-5, SIBA HAMAMATUTYO, MINATOKU
TOKYO 105, JAPAN
TEL. 03-435-6511
HOME ADDRESS : 3-13-18, NISIOGI KITA, SUGINAMIKU
TOKYO 167, JAPAN
TEL. 03-390-0852

Resident 044-922-1365

Masaaki Sibuya

Head Researcher Research Consultant
586-1111 Mr. Karasawa

IBM

IBM Japan, Ltd.
11-32, Nagata-cho 1-chome, Chiyoda-ku,
Tokyo 100, Japan, Telephone: (03) 580-0311

ext. 451

Akeo Adachi

Manager, Planning & Promotion
- Academic and Scientific Programs

IBM

IBM Japan, Ltd.
2-12, Roppongi 3-chome, Minato-ku, Tokyo 106
(03) 586-1111

Send ref. on cluster
analysis.
Also do comments for GRAPHYCARA

TADAKAZU OKUNO

PROFESSOR

DEPARTMENT OF MATHEMATICAL ENGINEERING
AND INSTRUMENTATION PHYSICS
FACULTY OF ENGINEERING
UNIVERSITY OF TOKYO
BUNKYO-KU, TOKYO, JAPAN
TEL. 812-2111 EXT. 6290



THE UNITED NATIONS UNIVERSITY

29th Floor, Toho Seimei Building
15-1, Shibuya 2-chome, Shibuya-ku,
Tokyo 150, Japan
Tel. 03-499-2811

S. CHIDAMBARANATHAN

Senior Governmental and
Institutional Relations Officer

DR. TAKATSUGU MITSUMOTO

PROFESSOR OF ANIMAL BREEDING

OBIIRO ZOOTECNICAL UNIVERSITY
OBIIRO, HOKKAIDO, JAPAN

SHIGERU SUZUKI

Yutaka Karasawa

Manager of Academic and Scientific Relations

NATIONAL INSTITUTE OF
AGRICULTURAL SCIENCES
DIVISION OF GENETICS

HIRATSUKA 254
JAPAN
TEL 0463-31-6221

IBM

IBM Japan, Ltd.
2-12, Roppongi 3-chome, Minato-ku, Tokyo 106
(03) 586-1111

November 30, 1976

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

Dear Charlie:

Although I heard through Mr. Karasawa just before leaving Japan that you would not be in office again until after the beginning of the new year, I want to get this letter and report to you now, before my recollections and impressions grow hazy (or hazier).

I did not reconfirm it, but I did ask Mr. Karasawa to cable you about the necessity to change my plans after arriving in Japan because of my back trouble. I also had cables sent to Taiwan and the Philippines notifying the various individuals and organizations that I had to cancel my travel to those countries. The back trouble was an unexpected, undesirable and very painful recurrence of an old injury, which may have been activated by the long journey from San Francisco to Tokyo. I really do not know what caused the recurrence, and can only make the conjecture that the long plane trip did it--I can't think of anything else that might have caused it. Although I spent all of our vacation time either flat a-bed or visiting a doctor in Tokyo, it was probably a good thing that we did arrive early, so that I could recuperate from the pain sufficiently to participate in the activities I was supposed to attend.

We arrived back in Boulder Tuesday November 16, without any further problems, though I am still at home trying to overcome the thing with the back. I checked with a local orthopedist, who indicates no permanent damage was done this time, but that it may recur.

The Japanese were all generous, attentive, pleasing hosts. They all were most solicitous, almost to the point of my embarrassment, but who could complain about that? Mr. Karasawa, Mr. Adachi and Mr. Sibuya did outstanding jobs in their capacity. I had no idea in advance just what Amagi was until I arrived there, and found a sumptuous "country club" the likes of which biologists such as I have the pleasure of experiencing only once or twice in our lifetime.

Although the trip to Taiwan and the Philippines were cancelled, I really don't believe that too much was lost. You already have good people working in IRRI, and there isn't anything in the Asian Veg. Res. Center yet started. When and if there is, there might be reason to get going with them.

Mr. McIntosh
November 30, 1976
Page 2

You may not have heard that I resigned from my work on the international scene. There simply was no science being done there, and no reason why either I or the University should be involved. I will remain as an advisor in the National Research Council for genetic resources in the US, but that will be the extent of involvement in other than the basic research necessary to be done that is not being carried out under auspices of the international agencies.

About the only other comment I want to make in this letter is that it would have been helpful had there been more coordination between the Science Center in Japan and the section headed by Karasawa. Perhaps it was intended that things be kept informal, but there just wasn't enough information shared between them and me. Such things as scheduled times of talks (other than on some day or during the span of the weekend) would have been helpful. Also if there had been a list of participants, their topics, and the institutions involved, it would have been easier to prepare something specifically for their interests. However, it worked out all right--I have had to learn how to switch around pretty fast both as professor and as lecturer on the international circuit.

Sincerely yours,

David J. Rogers
Professor of Biology

DJR:js

General summary of activities and impressions of Japanese trip,
November, 1976.

The major intent or purpose of my trip to Japan was to participate in the 10th IBM Japan annual symposium on computers. This particular symposium focused on applications of computers in Agriculture, stressing the various Japanese areas of endeavor. Aside from my address to that body, I also gave a paper at the Japanese Science Council section on Plant Breeding, on Thursday preceeding the IBM Symposium. A copy of my paper is enclosed herewith.

My impression of the Japanese involvement with computers in Agriculture is that there is a quite sophisticated (comparatively) group of agricultural scientists just now beginning to use computing capability intelligently. I was, of course, unable to judge what proportion of the population of agricultural sciences were so involved, but by comparing those plant breeders that I met with American equivalents, I find the Japanese using methods that are equal or better than the Americans. Of course the language barrier between me and them prevented my having an in-depth understanding of all their works, but from what I did see, they are going ahead rather well. These scientists, as with American equivalents, are hampered by inadequate funding for cross-the-board use of sophisticated computing equipment. I must emphasize, however, that my perspective is not total with respect to agriculture--ag. statistics, ag. economics, agri-budiness, etc. are beyond my competence to judge.

In the area of conservation of genetic resources (and the data management requirements for this type of endeavor) the Japanese have prepared an excellent blueprint for planning and development. Their

plans are discussed in a publication (in English): Gene Conservation--
Exploration, Collection, Preservation of Genetic Resources, editor;
T. Matsuo, JIBP Synthesis, Vol. 5, 225 pages, 1975, Univ. of Tokyo
Press, and probably available through the Science Council of Japan.
As I understand it, this plan is not being activated as yet, but
it did stimulate a small group of agricultural scientists to work
together in development of data management techniques for purposes
which I outline in the paper presented to them (copy enclosed).

IBM's Japan Science Center has done very good work with the
agricultural scientists from their National Institute of Agricultural
Sciences. Recently, one of the programs developed in my lab
program EXIR was mounted in the Science Center, and several
agricultural scientists have used this data storage and retrieval
system for their various interests, primarily crop species with data
from Japan or the US. Because of other problems, I did not have the
opportunity to find out more about the Science Center's work. But
there are good indications that their experience with agriculture
is good, and should be beneficial to all concerned.

Several Japanese scientists indicated that they wanted to send
students to the US for training in data management for agricultural
science. In particular, they wanted to come to the University of
Colorado for such work. As in many other such circumstances, I had
to tell the scientists that I do not have a teaching program for
such effort here, nor is the University interested in developing one.

TOKYO MEDICAL & SURGICAL CLINIC

MASONIC BLDG.
4-1-3 SHIBA KOEN, MINATO-KU
TOKYO 105, JAPAN

A. D. FAIR, M. B., CH. B., D.C.H.
M. C. MORTON, M.D.
J.H.T. MARSHALL, M.B., M.R.C.P.

TELEPHONE: (436) 3028
CABLE ADDRESS: MEDCLINIC TOKYO

診断名
diagnosis

変形性脊椎症
degenerative
disc disease
of lumbar spine.

字辭が可及的に必要である。
Lecture の本邦語訳の
本の在庫は、硬装があるべき
です。

鮎野 浩

The 10th IBM Japan's Scientific Computing Symposium

Theme: Demand and Supply of Foods
and Agricultural Issues

Period: November 13 (Saturday) through
November 15 (Monday), 1976

Place: IBM Amagi Homestead

Sponsored by: IBM Japan

PROGRAM

Saturday, November 13

MUPAGUCHI

12:00 Check-in IBM Amagi Homestead
12:00 - 13:00 Lunch
13:30 - 14:00 Opening
14:00 - 15:00 Session 1
Chairman: J. Yamauchi
(14:00 - 15:00) Key-note Address
" Computer Usage in Agriculture "
by T. Yasuda
15:00 - 15:30 Coffee Break
15:30 - 18:30 Session 2
Chairman: Y. Yamauchi
(15:30 - 18:00) Special Address
" Food Issues and Computer "
by K. Sato
(18:00 - 18:30) Discussion
18:30 - 20:00 Dinner

discussant: Yasuhiko YUIZE
Ag. Economist

PROGRAM

Sunday , November 14

7:15 - 8:15	Breakfast
9:00 - 10:00	Session 3 Chairman: S. Watanabe
(9:00 - 10:00)	"Development of Information Systems for the Distribution of Agricultural Products" by K. Shibazaki
10:00 - 10:30	Coffee Break
10:30 - 12:30	Session 4 Chairman: S. Watanabe
(10:30 - 11:30)	"Perishable Foods from the View-point of Information System" By S. Hayashi
(11:30 - 12:30)	Discussion
12:30 - 13:30	Lunch
13:30 - 15:00	Session 5 Chairman: M. Nagao
(13:30 - 14:30)	" Development of Farm Products Growing Model for their Growth Control " by T. Udagawa and S. Hirosaki

PROGRAM

(14:30 - 15:00)	Discussion
15:00 - 15:30	Coffee Break
15:30 - 17:30	Session 6 Chairman: <u>S. Moriguchi</u> ^t
(15:30 - 17:00)	" Genetic Resource Communication Information " by D. J. Rogers
(17:00 - 17:30)	Discussion
17:30 - 19:00	Dinner
19:00 - 20:30	Session 7 Chairman: T. Yasuda
(19:00 - 20:00)	" Systematization and Computer Application for Horticultural Production " by S. Yoshino
(20:00 - 20:30)	Discussion
20:30 - 21:00	Movie

Participants List

Organization Committee Members : (5)

J.Yamauchi	Emeritus Professor	University of Tokyo
S.Moriguchi	Professor	University of Tokyo
S.Watanabe	Professor	University of Tokyo
M.Nagao	Professor	Kyoto University
T.Yasuda	Associate Professor	Tokyo College of Electric- Engineering

Lecturers: (8)

D.J.Rogers	Professor	University of Colorado
T.Yasuda	Associate Professor	Tokyo College of Electric Engineering
K.Sato	Chief Researcher	Mitsubishi Research Institute
K.Shibazaki	Chief Researcher	Research Institute for Foods Demand and supply
S.Hayashi	Professor	University of Tokyo
T.Udagawa	Director of Research	National Institute of Agricultural Science
S.Hirosaki	Director of Research	National Institute of Agricultural Science
S.Yoshino	Associate Professor	Shimane University

Invited People : (26)

E.Asari	Associate Professor	Tokai University
H.Iwaki	Director of Research	National Institute of Agricultural Science
S.Umeda	Professor	Osaka Municipal University
T.Okuno	Professor	University of Tokyo
S.Kawano	Researcher	National Institute of Foods
T.Kisine	Professor	Kyoto University
K.Kumagai	Director of Research	National Institute of Agricultural Science
T.Kozai	Researcher	Osaka Municipal University
S.Sawada	Researcher	Obihiro Zootechny University
S.Suzuki	Director of Research	National Institute of Agricultural Science
S.Takakura	Associate Professor	Chiba University
Y.Takano	Researcher	University of Tokyo
K.Takahashi	Professor	Tsukuba University
T.Tenma	Professor	Obihiro Zootechny University
F.Niwa	Associate Professor	Tsukuba University

T.Hakamada	Researcher	Konsen Agricultural Laboratory
T.Hasegawa	Director	Institute for Asian Economy
T.Horie	Researcher	National Institute of Agricultural Science
M.Honma	Researcher	University of Tokyo
K.Mitsumoto	Professor	Obihiro Zootechny University
K.Mega	Researcher	Osaka Municipal Laboratory for Agriculture and Forestry
H.Mori	Professor	Senshu University
M.Yatomi	Director	Electrification Laboratory for Agriculture, Kyushu Electric Co.
Y.Yuize	Director of Research	National Institute of Agriculture
C.Rogers	Research Associate	University of Colorado
I.Watanabe	Director of Research	Central Research Institute for Electric Power Industry

Invited People from IBM Japan : (7)

S.Mizuta	Manager
S.Kuriyama	Manager
J.Iisaka	Associate Consulting Researcher
K.Okada	Manager
M.Sibuya	Consulting Researcher
H.Suzuki	Manager
C.Yamadori	Manager

Secretariat : (8)

K.Takahashi	Manager
Y.Karasawa	Manager
A.Adachi	Manager
T.Sakaba	Manager
T.Nakamura	Assistant
K.Nakano	Manager
M.Takayama	Manager
H.Tatsuoka	Stenographer

JAPAN SCIENCE COUNCIL

Nov. 11 '76 Tokyo

K. SAIO	Tokyo Univ.	Prof. Biometrics
Y. TAKANO	"	Assistant "
K. KOSAKI	Agric. Res. Council, Ministry AF	(Fruit Breeding)
T. KOMIYAMA	"	(Animal Breeding)
K. TANAKA	"	(Administration)
T. IBUSUKI	"	"
S. IYAMA	Nat. Inst. of Genetics (Misima)	(Population Genetics)
T. MATSUDO	Tamagawa Univ. (Prof. Emeritus of Tokyo Univ.)	Environmental Agriculture (Plant Breeding)
M. TSURU	Central Agr. Exp. Sta.	wheat breeding
M. HORIE	Div. Statistics, NIAS (Tokyo)	(Statistics) Agronomy
Y. OTSUKA	"	Statistics (Silkworm breeding)
K. KUMAGAI	Div. Genetics, NIAS (Hitatsuka)	
S. SUZUKI	"	
H. YAMAGUCHI	"	
S. SAITO	Nat. Sericultural Exp. Sta. (Tokyo)	Silkworm breeding
K. YOKOUCHI	Nat. Inst. of Animal Industry (Chiba)	Egg layer breeding
M. ABE	Ibaragi Prefectural Animal Industry	Ryegrass breeder
S. NAKAYAMA	" Exp. Sta (Tomobe, Ibaragi)	"
?	[Mitsui Information Development] Co Ltd	
M. SIBUYA	} IBM JAPAN	
?. MOROHASHI		
?		

Date: October, 1976

Dr. David J. Rogers
2020 Bluebell
Boulder Colorado 80302
U. S. A.

Dear Dr. Rogers:

This letter sets forth an agreement between you and IBM Japan, Ltd. (hereinafter referred as IBM-J), whereby you will render services to IBM-J in connection with a computer education program which will form a part of the 10th IBM-J Computer Sciences Symposium, subject to the following terms and conditions.

1. SCOPE OF WORK

You will provide your services (a computer education program) to IBM-J by giving lectures as more fully set forth in Appendix attached hereto.

2. TERM OF SERVICE

The term of this agreement shall be from November 9, 1976 through November 15, 1976, during which you shall provide your services for 7 days at such times and places as set forth in Appendix.

3. COMPENSATION

IBM-J shall pay you 450,000 Yen gross for your services rendered hereunder. Taxes will be withheld therefrom as required by Japanese law.

4. TRAVEL EXPENSES AND LIVING EXPENSES

IBM-J shall reimburse you economy-class airline fare between Denver, Colorado and Tokyo incurred in connection with services furnished hereunder. IBM-J shall reimburse you, upon your submittance of invoices, for reasonable living expenses (up to 22,000 Yen for day) and local travel expenses authorized by IBM-J and incurred in connection with services furnished under this Agreement.

5. CONFIDENTIAL INFORMATION

Confidential information shall mean all information obtained by you from, or disclosed to you by IBM-J and its "RELATED COMPANIES" as hereafter defined which relates to their past, present and future research, development and business activities, and all information, conclusions, drafts and associated materials, and work product resulting from your work under this agreements, except such information as is previously known to you or is publicly disclosed either prior or subsequent to your receipt of such information. You shall hold all such confidential information in confidence for IBM-J and shall not use such confidential information other than for the benefit of IBM-J and, except as may be authorized by IBM-J in writing, upon termination or expiration of this Agreement, you shall return to IBM-J all written or descriptive matter, if any, including but not limited to drawings, blueprints, descriptions, drafts of other papers or documents which contain any such confidential information.

6. PUBLICATION

You shall have the right to publish any information, conclusions or developments resulting from your work under this Agreement after obtaining IBM-J's written approval, but such approval, if granted, may be conditioned upon reasonable alterations or deletions. You agree to grant and hereby do grant to IBM-J and RELATED COMPANIES and irrevocable, nonexclusive, fully paid-up license to copy and republish throughout the world any such material published by you.

IBM-J and RELATED COMPANIES shall have the right, at any time, to publish, copy and have copied any written material including machine programs in any media, which is the result of your work under this Agreement.

7. GENERAL PROVISIONS

The rights and obligations of paragraphs 5 and 6 shall survive and continue after any expiration or termination of this Agreement and shall bind the parties and their legal representatives, successors, heirs and assigns. You agree to comply and do all things necessary for IBM-J to comply, with all the applicable laws, regulation and ordinances of Japan.

8. CONTRACTOR'S FREEDOM TO PROVIDE SERVICES

You represent and warrant that you are under no obligation or restriction nor will you assume any such obligation or restriction, which would in any way interfere or be inconsistent with the services to be furnished by you under this Agreement.

9. IBM TRADE MARK

Notwithstanding any other provision of this Agreement, you shall have no right to use IBM-J's trademark, or trade names of IBM-J or related companies, or to refer to IBM-J or related companies directly or indirectly, in connection with any product promotion or publication without the prior written approval of IBM-J.

10. RELATED COMPANIES

For the purpose of the agreement, "RELATED COMPANIES" shall mean International Business Machines Corporation (New York, U.S.A.), its subsidiaries, and all subsidiaries of its subsidiaries.

11. APPLICABLE LAWS

This Agreement shall be construed, and the legal relations between the parties hereto shall be determined, in accordance with the law of Japan.

12. JURISDICTION

In the event that it becomes necessary to institute a law suit in connection with a transaction covered by this Agreement, the court of first instance having jurisdiction over the local in which the head office of IBM-J is situated shall be the competent court with respect to said law suit.

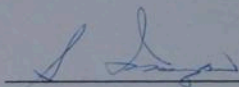
13. SOLE AGREEMENT

This Agreement shall supersede all prior agreements and understandings between the parties respecting the subject matter hereof. This Agreement may not be changed or terminated orally by or on behalf of either party.

If the foregoing is in conformity with your understanding, will you please indicate your agreement by dating, signing, and returning to us the enclosed copy of this letter.

Very truly yours,

IBM Japan



S. Inagaki
Chairman, IBM Japan

Agreed to:

By David J. Rogers

Title Professor of Biology

Date Nov. 9, 1974

APPENDIX

1. You will attend the meeting with about 15 researchers who have interested in your work at Central Agriculture Experiment Station at Konosu City, Saitama Prefecture, on Wednesday, November 10.
2. You will give one hour lecture and discussions at the National Committee of Breeding, Science Council of Japan.
3. You will attend the meeting with EXIR Group at the National Institute of Agricultural Science at Hiratsuka City, Kanagawa Prefecture.
4. You attend at the 10th IBM Computer Science Symposium to be held at IBM Amagi Homestead on November 13, 14 and 15, 1976. Details are as follows:

Saturday November 13 (1.30 a.m. - 9:00 p.m.)

You will attend at the whole program of the symposium of this day.

Sunday November 14 (9:00 a.m. - 9:00 p.m.)

You will attend at the whole program of the symposium of this day and give two hours lecture on the Genetic Resource Communication Information System.

Monday November 15 (9:00 a.m. - 12:00 noon)

You will attend at the final session of the symposium.

11/1
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10/31

51/2

2

FIRST NAME No.

ROGERS, DAVID

LAST NAME

ROOM

118

2020 BLUEBELL

BOULDER, COLO 80302

NAME

ROGERS, DAVID

DEP. DATE

11/1

ROOM No.

118

F

11809

DEPARTURE SLIP

11809

495 Geary, at Taylor
San Francisco, CA 94102
Telephone 415 775-4700
Telex 340 647
TWX 910-372-7329
Cable CLIFTHOTEL



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PAID
NOV 1 1976
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ALL GUEST ACCOUNTS ARE DUE AND PAYABLE ON THE FIFTH DAY. THE BALANCE MAY BE TRANSFERRED TO A REGULAR ACCOUNT IF CREDIT HAS BEEN PREVIOUSLY ESTABLISHED.

WE HOPE OUR SERVICE HAS DEMONSTRATED OUR APPRECIATION AND WARRANTS YOUR CONTINUED PATRONAGE. YOUR CONSTRUCTIVE CRITICISMS OR SUGGESTIONS ARE ALWAYS INVITED.

CODE

- D- TIPS
- E- SHOP
- F- _____
- G- BARBER SHOP
- H- POSTAGE
- J- BEVERAGE
- K- NEWS STAND
- L- ROOM SERVICE
- M- TICKETS

室番号 Room No. 206

No. 4430

芳名 Mr. & Mrs. Rogers
Name

御 会 計 書

ACCOUNT BILL

財団法人 国際文化会館

The International House of Japan, Inc.

会 員 : ゲスト
Member : Guest

日付 Date	室料 Room Charge	夕食 Dinner	小計 Sub Total	料飲税 10% Tax	サービス料 10% Service	昼食 Lunch	軽食 Coffee Shop	料飲税 10% Tax	サービス料 10% Service	洗濯 Laundry	電話 Phone	その他 Misc.	合計 Sub Total	累計 Total
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2.	6,600		6,600		660								7,260	14,520
3.	6,600	3,460	10,060	706	1,006		200						11,972	26,492
4.	6,600	3,920	10,520	752	1,052		200				10		12,534	39,026
5.	6,600	5,320	11,920	892	1,192		3,560				70	60	17,694	56,720
6.	6,600		6,600		660		1,450				20		8,730	65,450
7.	6,600	400	7,000	400	700		1,800						9,900	75,350

会員番号
Membership No.

御署名
Signature

総計
Grand Total ¥ 75,350



¥256.94



御 勘 定 書
CHIT



テーブル番号 TABLE NO.	係 WAITER <i>Shiroma</i>	番号 NO. 16124
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会員番号(ただし宿泊客は部屋番号) MEMBER NO. (USE ROOM NO. IF RESIDENT) 206		飲 物 計 BEV. TOTAL
名 前 NAME Rogers		小 計 SUBTOTAL
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OCT-13-76

PROFESSOR DAVID ROGERS
TAXIMETRICS LABORATORY
DEPARTMENT OF E.P.O. VIOLGY
UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302, U.S.A.

CC Y. KARASAWA - BY MAIL
K. KUMAGAI -BY MAIL
S. IYAMA - BY MAIL

REF. CABLE FROM Y. KARASAWA
IN THE AFTERNOON OF NOV. 11 THUR, YOU WILL BE INVITED BY THE
NATIONAL COMMITTEE OF BREEDING, SCIENCE COUNCIL OF JAPAN,
TO GIVE A ONE HOUR LECTURE ON GENETIC RESOURCES INFORMATION
SYSTEMS. IRM JAPAN SPONSORS IT, BUT NO HONORARIUM IS ADDED.
THE INVITATION LETTER WILL BE SENT LATER.
THE ATTENDANTS WILL BE ABOUT THIRTY PROFESSIONALS AND
PROFESSORS ON BREEDING, WHILE THOSE AT AMAGI IRM SYMPOSIUM
WILL BE GENERAL AGRICULTURAL AND INFORMATION SCIENTISTS
CONCERNED WITH COMPUTER APPLICATIONS.
K. KUMAGAI AND K. SAIO WILL GIVE ALSO LECTURES, AND EXIR
PROCESSING RESULTS WILL BE SHOWN.
IF YOU COULD ACCEPT THE INVITATION, I SHOULD BE VERY
GRATEFUL AS A GO-BETWEEN. FOR JAPANESE AUDIENCES SOME NOTE
OR OHP FOILS ARE USEFULL FOR BETTER UNDERSTANDING.

MASAAKI SIRUYA
TOKYO SCIENTIFIC CENTER-IRM JAPAN
(TELEX CODE.. 2222785 IRM NA J)

UNIV COLO LIP
2222785IRM NA J

VIA ITT 9103612222

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UNIT COLD LIP

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UNIT COLD LIP

OCT-12-74

PROFESSOR DAVID ROGERS
TOXICOLOGY LABORATORY
DEPARTMENT OF S.F.O. BIOLOGY
UNIVERSITY OF COLORADO
BOULDER, COLORADO 80309, U.S.A.

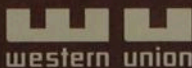
DE Y. KARASAWA - BY MAIL
K. KIMAGAI - BY MAIL
T. IYAMA - BY MAIL

REF. CARLE FROM Y. KARASAWA
IN THE AFTERNOON OF NOV. 13TH THIS, YOU WILL BE INVITED BY THE
NATIONAL COMMITTEE OF BREEDING, SCIENCE COUNCIL OF JAPAN,
TO GIVE A ONE HOUR LECTURE ON GENETIC RESOURCES INFORMATION
SYSTEMS. IFM JAPAN SPONSORS IT, BUT NO MONOGRAPHIC IS OFFER.
THE INVITATION LETTER WILL BE SENT LATER.
THE ATTENDANTS WILL BE ABOUT THIRTY PROFESSIONALS AND
PROFESSORS ON BREEDING, WHILE THOSE AT AKABI ICM SYMPOSIUM
WILL BE GENERAL AGRICULTURAL AND INFORMATION SCIENTISTS
CONCERNED WITH COMPUTER APPLICATIONS.
K. KIMAGAI AND K. SAITO WILL GIVE ALSO LECTURES, AND EXIST
PROCESSING RESULTS WILL BE SHOWN.
IF YOU COULD ACCEPT THE INVITATION, I SHOULD BE VERY
GRATEFUL AS A GO-BETWEEN. FOR JAPANESE AUDIENCES SOME NOTE
OR OHP SLIDES ARE USEFULL FOR BETTER UNDERSTANDING.

KASAKI SUDYA
TOKYO SCIENTIFIC CENTER-IFM JAPAN
CIVILX CODE.. 0000185 IFM NO J3

UNIT COLD LIP

UNIT COLD LIP



Telegram

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

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

19

TO	Mr. Mikio Kato	CARE OF OR APT. NO.
STREET & NO.	INTERCUL, Tokyo	TELEPHONE
CITY & STATE	Tokyo, Japan	ZIP CODE

Curt Johnson, J-45, recommends that my wife and I stay at International House nights of November 2 through 11. Please cable if no reservations possible.

signed: D. J. Rogers

GENRESYS

Operator # 213

Date/Time

Confirmation *yes*

10/19 - 10am

SENDER'S TEL. NO.	IS	NAME & ADDRESS
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CABLEGRAM - to be mailed from purchasing

D. J. Rogers

Oct. 27,

(Re: your trip to Japan.) Thank you very much for sending me your paper. Reprint of proceedings will be in my hands October 26 by your cooperation. By the way I would like to confirm your agreement with the schedule as I cabled to you. Further could you please reply to M. Sibuya on his cable dated October 13. Finally, on November 9 morning around 9 please come to my office to talk about your schedule and some administrative matters. I look forward to seeing you in Japan. Thanks and regards.

Y. Karasawa

Manager, Academic + Sci. Program

IBM Japan

3-2-12 Roppongi

Minatoku, Tokyo, Japan

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PROFESSOR DAVID ROGERS

DEPARTMENT OF ENVIRONMENTED POPULATION AND ORGANISMIC

ECIOLOGY, UNIVERSITY OF COLORADO, 2020 BLUEBELL

BOULDERCOLORADO80309 *HALE-114*

SUBJECT - YOUR TRIP TO JAPAN.

THANK YOU VERY MUCH FOR SENDING ME YOUR PAPER. PREPRINT
OF THE PROCEEDINGS WILL BE IN MY HAND OCT. 26 BY YOUR
COOPERATION. BY THE WAY, I WOULD LIKE TO CONFIRM IF
YOU AGED WITH THE SCHEDULE AS I CABLED TO YOU. FURTHER,

*Phoned X7187
10/27/76- 8:43AM
DR*

LAF107 PROFESSOR FR/59

COULD YOU PLEASE REPLY TO M. SIBUYA ON HIS CABLE DATED
OCT. 13. FINALLY, ON NOVEMBER 9 MORNING, AROUND 9,
PLEASE COME TO MY OFFICE TO TALK ABOUT YOUR SCHEDULE
AND SOME ADMINISTRATIVE MATTER. I LOOK FORWARD TO SEEING
YOU IN JAPAN. THANKS AND REGARDS.

Y. KARASAWA, MANAGER OF ACADEMIC AND SCIENTIFIC PROGRAMS,
IBM JAPAN, 3-2-12 HOPPOUGI, MINATO-KU, TOKYO JAPAN.

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PROFESSOR DAVID ROBERTS, ~~XXXXXXXXXXXXXXXXXXXX~~

DEPARTMENT OF E.P.C. BIOLOGY

UNIVERSITY OF COLORADO, *HALE-114*

BOULDERCOLORADO80502

I UNDERSTOOD YOUR CABLE, BUT SOME COMMENTS I HAVE.

1. DR. KUMAGAI WILL SEE YOU AT KAWEDA AIR PORT, IF AVAILABLE
SOMEONE OF OUR GUY TOO.

2. RESERVED ONE TRINN ROOM IN KYOTO HOTEL IN KYOTO FROM NOV 4
AND NOV 5 (LEAVE NO 6 MORNING).

~~X 7187~~
~~X 64097~~
Phoned X 5056
10/23/76-8:57AM
JH

ACCORDING TO YOUR SCHEDULE, YOU ARE PLANNING SIGHTSEEING IN
KYOTO ON NOV 4, 5, BUT I THINK IT WILL BE BETTER FOR YOU TO
PROLONG IT ONE MORE DAY TO ENJOY KYOTO MORE ENOUGH AND IT WILL
BE ENOUGH TO ENJOY AND TO SHOPPING IN TOKYO.

CONSEQUENCE, NOV 4, 5, 8 IN KYOTO AND NOV 7, 8 AND 9
AFTERNOON YOU WILL BE IN TOKYO.

LAD349 PROFESSOR PAE 2/69

3. AFTER YOU FINISHED THE MEETING AT NATIONAL AGRICULTURAL
LABORATORY, YOU HAD BETTER GOING DIRECTLY TO THE HOTEL NEAR
AMAGI. THIS HOTEL RESERVATION NOW GOING ON PROCESS.

4. ABOUT YOUR LOCAL EXPENSES.

22000 YEN PER DAY IS AVAAILABLE FOR HOTEL ROOM, MEAL WITHOUT
ALCOHL. BUT THIS IS ONLY FOR YOU, NOT INCLUDE THE AMOUNT FOR
YOUR WIFE, SORRY. AND ACTUAL LOCAL TRAVEL EXPENSE IS PAYED

ALSO ONLY FOR YOU.

March 16, 1976

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

Dear Charles:

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

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

Sincerely yours,

David J. Rogers
Director

DR:rs

Enclosure

DK vitae

June 4, 1976

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

Dear Mr. McIntosh:

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

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

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

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

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

Sincerely yours,

David J. Rogers
Director

DR:rs

JUN - 5 1976

June 10, 1976

Professor David Rogers
Taximetrics Laboratory
University of Colorado
1229 University Avenue
Boulder, Colorado 80309

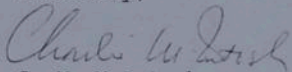
Dear Professor Rogers:

Many thanks for your letter of June 4. I am making some preliminary inquiries with our people in the countries you would like to visit, and hope to have some details on this for you shortly.

I believe it would be very helpful if you could write Mr. Adachi directly and describe more fully the areas you will cover in your presentation. Thank you for the offer.

I am including Mr. Adachi's full mailing address below.

Sincerely,



C. M. McIntosh
Program Manager
Academic and Scientific
Relations

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

CMM:PB

IBM World Trade Americas/Far East Corporation

Town of Mount Pleasant, Route 9
North Tarrytown, New York 10591
(914) 332-2000
Cable address: Inbusafe
Telex: 229605/62353/425710

May 26, 1976

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

Dear Professor Rogers:

Further to our recent correspondence, I enclose a letter I received from IBM Japan with additional information on the symposium coming up next November.

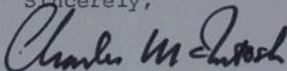
The subject you're tentatively scheduled to speak on is "On the Seedbank and Databank Management"; you might want to modify this title somewhat. Mr. Adachi's letter notes some concern that the publications Gil Hersh sent me raise a doubt as to whether you would want to speak on this exact topic; perhaps you could either confirm your willingness to do this or suggest an alternative topic that would fit in with the general program.

IBM Japan requests that your paper be completed by October tenth in order to add to the value of your presentation and discussion.

On a related subject, do you have any ideas as to additional countries you might visit to make your trip to Asia more productive? It's not too early for us to begin making contacts now.

I look forward to hearing from you.

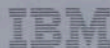
Sincerely,

C. M. McIntosh
Program Manager
Academic and Scientific
Relations

Enclosure

cc: Mr. A. Adachi

CMM:PB



IBM Japan, Ltd.

2-12, Roppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
Telex: J28303 IBMJHQ
ITPS: ATOK

May 19, 1976

Mr. C. M. McIntoh
IBM WE A/FE Corporation
Town of Mount Pleasant, Route 9
North Tarrytown, New York 10591

Dear Mr. Charlie:

Thank you very much for your kind arrangement for Dr. Rogers's contribution to our 10th Computer Science Symposium.

I am sorry I postponed our response to your letter dated April 14.
Main theme is "Food and agriculture issues"
We had determined each subthemes and speakers.

1. Keynote address on the main themes
by H. Yasuda
Prof. of Tokyo College of Electric Engineering
2. Foods Issue and computer utilization
by Mitsubishi Research Institute
3. On the development of growing model of crops
by * T. Udagawa, *A, Hirosaki, **T. Okuno,
* Institute of Agricultural Technology
**Prof. of Univ. of Tokyo
4. Computerized Control System for a Large-scale Horticulture Facility
by S. Yoshino
Ass. Prof. of Shimane Univ.
5. On the flow management of agricultural products
by K. Shibazaki, Institute of Foods Issue
6. Political Informations
speaker not confirmed yet
7. On the rural social Engineering
by P. Goldmark (under contacting)

IBM Japan, Ltd.

2-12, Hoppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
Telex: J28303 IBMJHQ
ITPS. ATOK

8. On the Seedbank and Databank management
by Dr. D. Rogers
(this theme is temporary one)

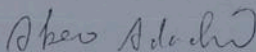
Time quota to each speaker is 1 hour but not include discussion. We would appreciate if Dr. Rogers prepare his paper until Oct. 10, the volume of this is not limited. It will be welcome for us that the contents of the pre-print is fruitful and make the discussion significant.

The theme for Dr. Rogers is only our expectation, so it is depend on his will to change this or not but we, include 4 members of organizing committee, are interested in Seedbank. His activity seems to be slightly different from the research on Seedbank system according to the documents you sent me before. I am worry about this point. Please confirm this point to Dr. Rogers and tell me the formal theme of his presentation.

Further we have a plan to translate the papers written by Japanese speaker into English for foreigners in order to make a discussion significant.

I will send you information you need at any time.

Sincerely yours,



Akeo Adachi

AA:my

IBM World Trade Americas/Far East Corporation

Town of Mount Pleasant, Route 9
North Tarrytown, New York 10591
(914) 332-2000
Cable address: Inbusafe
Telex: 229605/62353/425710

MAR 6 8 1976

March 3, 1976

MAR 6 9 1976

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

Dear Prof. Rogers:

Further to our telephone conversation of March 1, I'm pleased to confirm the invitation of IBM Japan Ltd. to attend and make a presentation at the 10th annual IBM Japan Scientific Computing Symposium, to be held November 13-15 of this year. The tentative subject for this year's program is "Food, Agriculture and the Computer," and I'm sure you will find the meeting of personal and professional interest.

IBM Japan will pay you an honorarium of \$1,500.00 (in yen equivalent, which may be changed to U. S. dollars while you are in Japan), and will cover all your travel and living costs including round-trip economy air fare.

I will be sending you additional details of the program as I receive them from our people in Japan. In the meantime, I would appreciate it very much if you could send me a curriculum vitae and list of publications for yourself, along with any articles, program descriptions or other material that would illustrate your work and current research interests.

As we discussed, the trip to Japan might offer an opportunity for you to visit national or international food centers in Southeast Asia, for example in the Philippines and Taiwan. Please let me have your thoughts on this, and if the idea seems feasible we'll be glad to consider some additional travel support from my office to make such secondary visits possible. I look forward to hearing from you.

Sincerely,

Charles M. McIntosh

C. M. McIntosh
Program Manager
Academic and Scientific Relations

CMM/mf

cc: Mr. A. Adachi, IBM Japan, Tokyo

IBM Book

IBM

IBM Japan, Ltd.

2-12, Roppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
Telex: J28303 IBMJHQ
ITPS, ATOK

JUL 6 1976

June 25, 1976

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

Dear Professor Rogers:

Thank you very much for your kind acceptance for our request through Mr. C. McIntosh. We had the final organizing committee on June 14th and decided 8 topics to be presented at this symposium on November 13 through 15.

Since this is the tenth annual symposium by IBM Japan, we would like to make this symposium more fruitful. It is very kind of you if you would provide us with a lecture note of your topics by September 10th. Please see attachment and learn some detail informations on this symposium.

I hope your aggressive participation and cooperation toward this symposium.

Sincerely yours,



Y. Karasawa
Manager of Academic &
Scientific Relations
IBM Japan

YK:ta

cc: Mr. C. M. McIntosh - AFEH

ATTACHMENT

Conditions are as follows as you know from C. McIntosh:

- I. One copy of your lecture note is to be submitted by September 10th.
- II. 7 days accommodation and local travel expenses and round air ticket of economy class are guaranteed by IBM Japan.

Topics presented are as follows:

1. Key note address on "Demand and Supply of Foods and Agricultural Issues".
2. Special report on "Demand and Supply of Foods and Agricultural Issues".
3. Studies on the growing model of Foods for growth control.
4. On computerized control systems for a large-scale horticulture facility.
5. Information systems for the distribution of agricultural products.
6. Political information for the agricultural products and foods.
7. Not decided yet but on the distribution systems of agricultural products in Europe.
8. Genetic resource communication information and documentation system. - of yours.

Gene pool of rice crops and seed bank is now investigating in the National Institute of Agricultural Science and some other institute in Japan also, so the topics of yours is very interested one.

Drs. Kumagai, Suzuki, Iwaki and Shibuya will also attend this symposium.

October 13, 1976

Mr. A. Adachi
Dept. of Academic &
Scientific Relations
IBM Japan Ltd.
2-12 Rappongi, 3-Chome Minato-ku
Tokyo 106, JAPAN

Dear Mr. Adachi:

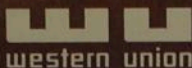
Enclosed are two copies of my paper for the symposium. Sorry
I am late--

I look forward to seeing you. More details of my travel will
be sent shortly.

Sincerely,

David J. Rogers
Professor

DJR:js



Telegram

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

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

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

19

TO D. J. Rogers

CARE OF
OR APT. NO.

STREET & NO. phoned in at 8:55 am, Oct. 28, 1976

TELEPHONE

CITY & STATE from A. Adachi, Manager of Scientific Programs

ZIP CODE

IBM Japan, 3-2-Roppongi, Minato-ku, Tokyo, Japan

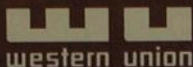
I understood your cable, but I have some comments. 1) Dr. Kumagai will see you at Haneda Airport. If available, some of our guys, too. 2) Reserved one twin in Kyoto Hotel in Kyoto from Nov. 4-5. Leave morning Nov. 6. According to your schedule, you are planning sight-seeing in Kyoto on Nov. 4-5; but I think it will be better for you to prolong one more day to enjoy Kyoto more, and it will be enough to enjoy and to shop in Tokyo. Consequently, Nov. 4-5-6 in Kyoto and Nov. 7-8-9 afternoon you will be in Tokyo. 3) After you finish the meeting at National Agriculture Lab, you had better go directly to hotel near Amagi. This hotel reservation now going on process. 4) About your local expenses. 22,000 yens per day is available for hotel room and meals without alcohol; but this is only for you and does not include amount for your

SENDER'S TEL. NO.

NAME & ADDRESS

(cont.)

WU 1207 (R 5-69)



Telegram

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

19

TO	A. Adachi, page 2	CARE OF OR APT. NO.	
STREET & NO.		TELEPHONE	
CITY & STATE		ZIP CODE	

wife. Sorry. And actual local travel expense is paid also only for you. 5) We heard from Dr. Kumagai that you will leave Nov. 15 at around 9 am by Asia Airline for Taipei. Is this true? Our symposium is to the noon of Nov. 15. This is final session. If there is no room to change your schedule, we have to reconcern (sic) our plan. Please confirm above items, and reply by cable as soon as possible. Thanks and regards.

signed: A. Adachi

RS

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

Oct. 28

Cable to A Adachi, cable address: INBUSMACH, Minato-ku, Tokyo, Japan

Understand and agree arrangements made in your cable Oct 28. Will rearrange my travel schedule to accomodate your meeting schedule on Nov. 15.

104/2246
Final

July 2, 1976

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

Dear Mr. Adachi:

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

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

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

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

Sincerely yours,

David J. Rogers
Director

DR:rs

cc: Mr. C. M. McIntosh

AUG 09 1976

IBM Japan, Ltd.

2-12, Roppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
Telex: J28303 IBMJHD
ITPS ATOK

August 4, 1976

Dr. Stuart Greenberg
Cambridge Scientific Center

Dear Stuart:

It was very nice meeting you in Bari. The Conference on Relational Database was really instructive and stimulating for me.

Soon after coming back here I was informed that a copy of IBM version of EXIR reached to Mr. Kineo Kumagai, Seed Storage Laboratory, National Institute of Agricultural Sciences, from Taximetrics Laboratory, University of Colorado. I am grateful to you and Dr. P. G. Bryant for the arrangement. It took more time than I had expected just to transfer a program package. The main reason was the lack of communication between Kumagai and Prof. D. J. Rogers.

There were some debates within NIAS concerning joint work with IBM, and finally, at the end of July, the tape of EXIR reached to me, and now it is installed in S360/M195 of Tokyo Data Center and being used from Tokyo Scientific Center by RJE/TSO. TSC will get its own M158 at the end of this year, then it will be run here.

Meanwhile I was trying to make the joint work formal. Within this week Mr. K. Kumagai and Prof. K. Saio, Biometrics Laboratory, Faculty of Agriculture, Tokyo University, will sign to contract the TSC Fellowship Program for the period August 1976 - March 1977. Six agriculturists including Kumagai and Saio, will work here to construct some experimental databases. The objectives of the joint work of the period are 1) to get experience for running EXIR and APLEXIR 2) to advocate the necessity of information systems among biologists and agriculturists for finding needs among them, and 3) to define the future activities including the design of an operating information system.

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Dr. Stuart Greenberg
Page 2

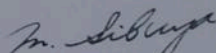
August 4, 1976

The External Affairs of IBM Japan is organizing Computer Science Symposium every year to go between academy and users/prospects. This year they have chosen the theme "Agriculture and Computer" and, according to the suggestion from Dr. E. Marler, have invited Prof. D. J. Rogers as a guest speaker. He accepted the invitation. His visit will encourage activities of the participants of our project.

Your APLEXIR is running well, except for the bugs I have reported to you. Now a smaller example is being tested for further extension.

Thank you again for your cooperation and please convey my regards to Peter. According to the advancement of my works, I shall ask your further efforts.

Sincerely yours,



Masaaki Sibuya
Tokyo Scientific Center

MS/tk

cc: Dr. L. M. Branscomb
Dr. E. Marler
Dr. P. G. Bryant ←

IBM Japan, Ltd.

2-12, Roppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
Telex: J28303 IBMJHQ
ITPS:ATOK

June 7, 1976

Dr. P. Bryant
1229 University Avenue
University of Colorado
Boulder, Colorado 80309

Dear Dr. Bryant

Many thanks for your letter of May 26.

Your consideration on the relationship between the Taximetrics Laboratory, University of Colorado, and the Seed Preservation Laboratory, National Institute of Agricultural Sciences, is reasonable, and I agree with you completely.

Receiving your letter, I have talked with Mr K. Kumagai and he is very glad receiving a copy EXIR from Prof. Rogers.

The Seed Preservation Laboratory has not good DP facility, both machine and staff, and Tokyo Scientific Center will have a joint program to run EXIR.

Thank you very much for your cooperation going between me and Taximetrics Laboratory.

With best regards,

Sincerely yours,

M. Sibuya
Masaaki Sibuya

CC: S. Greenberg

MS/an

May 26, 1976

Dr. Masaaki Sibuya
IBM Scientific Center
2-12, Roppongi 3-Chome, Minato-ku
Tokyo, Japan

Dear Dr. Sibuya:

Stuart Greenberg has asked me to respond to your cable of May 17, about EXIR.

In light of the requirements for maintenance, and for any kind of long-term cooperative effort, I believe the only reasonable way to get EXIR to Mr. Kumagi is for the Taximetrics Laboratory to send it directly to the Seed Preservation Laboratory. While the Taximetrics Laboratory deals primarily with international rather than national centers, it is generally happy to cooperate with national centers, provided some basis for that cooperation exists.

Dr. Rogers, the Director of the Taximetrics Laboratory, is writing directly to Mr. Kumagi about this.

By the way, there is a version of EXIR now running on a 9360, Model 195 OS/MVT (though not under TSO). So I don't expect any trouble there.

Please get in touch if you have any questions.

Yours sincerely,

Peter Bryant

cc: D. J. Rogers
S. Greenberg

PB/sh

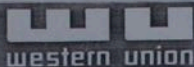
Cablegram to: Karasaw, ^aINBUSMACH, Minato-ku, Tokyo, Japan
1
from D. Rogers, GENREYSIS, Boulder, Colorado

All travel and schedules of meetings agreed upon according to your requests and those of M. Sibuya. Kumagai of National Seed Storage Lab. Hiratsuka should have details of dates, travel, and hotel accomodations. Arrive as schedules November 2, JA 001 from San Francisco. Will expect someone meet me Tokyo International Airport.

Charge 1601-72 -

Mailgram confirmation requested.

David



Telegram

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

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Sept. 15 1976

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

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

Signed: D. Rogers

Operator # 188

Date/Time
9/15 - 4:55

Confirmation *yes*

SENDER'S TEL. NO.	IS	NAME & ADDRESS
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SEP 3 1976

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 USNY CO JPTT 110
 TOKYO 110/07 3 1737
 PROF. DAVID ROBERTS C/O GENESYS
 BOUNTYCOLORADO, C.A. **TB-72**
 SUBJECT IRM COMPUTER SC ENCE SYMPOSIUM.
 WILL SEND THE BONNO AIR TICKET.
 PLS LET ME KNOW WHERE IS THE BOARDING
 PLACE, DENNERT
 AFTER THE SYMPOSIUM, YOU HAVE ANOTHER 4
 DAYS IN JAPAN. DO YOU HAVE ANY PLANT
 IF IT WILL BE AVAILABLE FOR YOU, I WOULD

X 6909 LA
 To CU Mailroom
 9/3/76 - 9:25 AM
 JH

LIVE TO HAVE A CHANCE TO DISCUSS ON THE
 GENETIC RESOURSE OF GENE POOL WITH YOU
 AND MEMBERS OF THE GENE POOL STUDY GROUP
 IN JAPAN. PLS ADVISE ME ABOUT THESE ASAP BESS
 A. ADACHI, ACADEMIC AND SCIENTIFIC RELATION
 IRM JAPAN, 3-2-12 ROPPONGI, MINATO-KU, TOKYO JAPAN.
 COL A 3-2-12
 HMM
 HMMH

IBM Japan, Ltd.

2-12, Roppongi 3-chome
Minato-ku, Tokyo 106
Telephone: (03) 586-1111
Cable Address: INBUSMACH
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ITPS: ATOK

AUG 09 1976

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Cambridge Scientific Center

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Dr. Stuart Greenberg
Page 2

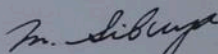
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Masaaki Sibuya
Tokyo Scientific Center

MS/tk

cc: Dr. L. M. Branscomb
Dr. E. Marler
Dr. P. G. Bryant ←