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面談者リスト

1. ブラジル

(1) サンパウロ総領事館

小島総領事、池田領事、渡辺健治領事

(2) JICAサンパウロ事務所

松本次長、黒田職員

(3) サンパウロ州環境局

1) Mr. Paule Merbach Jr.

(環境局国際担当サブ、Special Projects Advisory Assistant)

2) Ms. Ana Lucia Segamarchi

(環境局国際担当、Advisor of Special Project, Advisory)

3) Mr. Jose Osvaldo Eidin Valio

(環境局技術指導担当、Assessor de Saperivisao do Gov.)

(4) サンパウロ州森林院

1) Mr. Guenji Yamazoe (元森林院総裁、Pesquisador Cientifico)

2) Ms. Nilse K.S. Yokomizo

(森林院Scientific Resarcher II, Session Chief, 林業林産コース1984年)

3) Mr. Franciso Carlos L. Arcova

(森林院研究者、林業林産コース1990年)

4) Mr. Ananias A. S. Ponfuho

(天然資源管理所研究者、林業林産コース、1989年)

(5) 国立アマゾン研究所 (INPA)

アマゾン森林研究計画プロジェクト

中村松三専門家、橋本泰明専門家、大能雄一業務調整員

カウンターパート帰国研修員

1) Dr. Joao B.S. Ferraz (INPAコーディネーター、立地適応性)

2) Dr. Isolde D.K. Ferraz (INPA種子生理特性)

3) Dr. Niro Higuchi (INPA天然林管理分野リーダー)

4) Dr. Paulo T. B. Sampaio (INPA立地適応性)

5) Dr. Joaquim dos Santos (INPAサブコーディネーター、天然林動態)

6) Mr. Ralph Ribeiro (INPA天然林動態)

7) Ms. Patricia de Sales (INPA立地特性)

8) Dr. Gil Vieira (INPA天然林動態)

9) Mr. Moacir A. Assis Campos (INPA森林型分布、立地適応性)

(6) パラナ州連邦大学
Prof. Unberto Klock
(パラナ大学森林工学・科学学部教授) 林業林産コース

(7) ブラジル農牧研究公社(EMBRAPA)森林部(Florestas)
1) Mr. Moacir Jose Sales Medrado (研究所長)
2) Mr. Joao Antonio Pereira Fowler (総務担当)
3) Ms. Rosana Clara Victria HIGA
(EMBRAPA研究員, 1995年森林研究コース)

2. パラグアイ

(1) JICAパラグアイ農業総合試験場 (CETAPAR)
山下恭徳次長

(2) JICAパラグアイ事務所
山口公章所長、室澤智史次長、

(3) 在パラグアイ日本大使館
中井智昭二等書記官

(4) 企画庁
Mr. Enrique Duarr (企画庁研修課長, SEPE BEEAS-S.T.P.)

(5) 林業技術普及センター
パラグアイ東部造林普及計画プロジェクト

- 1) 渡辺儀彦専門家 (チームリーダー)
- 2) 佐藤隆専門家 (普及訓練)
- 3) 塩水流隆道専門家 (種苗)
- 4) 塩野和男専門家 (業務調整)
- 5) Mr. Loney do Duane
(プロジェクトカウンターパートコーディネーター)

(6) イタプア林業センター
Ms. Edilia Ramirez Haedo
(イタプア林業センター所長, 1992年森林研究コース)

(7) JICAエンカルナシオン支所
菅原正志支所長

集団「森林研究」コースの実施要領（抜粋）

(1) コースの目的：

近年、熱帯圏を中心とする開発途上国の森林は、焼畑、薪炭材採種、商業的伐採等により急速に減少・劣化し、資源の枯渇のみならず、水土保持機能、土地生産力の低下、森林生物減少など悪化の一途をたどっている。

このような背景のもと、開発途上国における森林研究分野の研究者に対して専門知識及び研究手法に係る技術移転を目的とし、1961年度より「林業・林産研究コース」として集団研修を開始、1991年度の見直しの結果、現在の「森林研究コース」を開始した。

(2) コース概要：

3年間のサイクルで森林、林業、林産分野を対象に、森林総合研究所の各研究室において約3ヶ月間の研修を実施する。研修員はG Iに記載された研究テーマを選択し、同テーマに基づいた研修を指導官のもとで実施する。

(3) 定員：5名

(4) 主たる資格要件：

- ・大学院卒業者で森林研究分野で5年以上の経験を有する者。
- ・現在、森林研究機関または大学に勤務している研究者。
- ・40歳以下。

(5) 過去の国別受入実績：

森林研究コースとして改訂されてから、平成4年度より平成11年度まで計38名の研修員が参加しており、うち、ブラジルから3名、パラグアイから1名が参加している。

(6) 研修実施場所：

農林水産省 林野庁 森林総合研究所（茨城県稲敷郡基崎町）

(7) 研修日程の形態：

本研修コースの典型的な研修日程は以下のとおりである。

a) オリエンテーション期間（第1～2週目）

実施場所： JICA筑波国際センター

内容： 受付、日本に関する講義（歴史、政治、文化等）
日本語講座（25時間）

- b) 集団講義期間（第3週目）
実施場所： 森林総合研究所
内容： 一般講義（日本の林業、森林林業等）
- c) 集団研修旅行期間（第4週目）
内容： 集団研修旅行
- d) 個別課題研究期間（第5～14週目）
実施場所： 森林総合研究所
内容： 個別課題研究（担当研修室配属）
各研修員に割り当てられた課題を、研究室の資機材を用いて研究を行う。必要に応じて、研修旅行や見学を設ける。
- e) まとめ・発表会・評価会・修了式（第14週目）
実施場所： 森林総合研究所、JICA筑波国際センター
内容： 個別課題研究まとめ
個別課題研究発表、評価会、修了式

集団「森林研究」コース研修日程（例）

月	日	曜	行程 日数	研 修 内 容	担当	研 修 内 容	担当
8	14~25	月~金	10日	TBIC オリエンテーション及び日本語研修			TBIC
	28	月	1	資料整理	TBIC	開講式・オリエンテーション	FFPRI
	29	火	1	一般講義・日本の林産	FFPRI	一般講義・日本の森林林業	〃
	30	水	1	一般講義・森林化学分野	〃	一般講義・木材化工分野	〃
	31	木	1	一般講義・木材化工分野	〃	一般講義・木材利用分野	〃
9	1	金	1	一般講義・木材利用分野	〃	カントリレポート発表会	〃
	4~9	月~土	6	集団研修旅行（中国地方の国・県・民間の林産関係機関）			〃
	11~14	月~木	4	実習内容説明及び現地研修（宮崎県・鹿児島県）			〃
	18~22	月~金	5	樹木成分の抽出			〃
	25~29	月~金	5	樹木成分の分離			〃
10	2~6	月~金	5	〃			〃
	10~13	火~金	4	樹木成分の構造解析：核磁気共鳴装置使用			〃
	16~20	月~金	5	〃			〃
	23~27	月~金	5	樹木成分の構造解析：質量分析計使用			〃
	30~31	月~火	2	〃			〃
11	1	水	1	〃			〃
	2	木	1	〃	FFPRI	筑波国際交流会	TBIC
	6~10	月~金	5	実習結果のまとめ			FFPRI
	13~15	月~水	3	テクニカルレポート作成			〃
	16	木	1	資料整理	FFPRI	テクニカルレポート発表会	〃
	17	金	1	〃	TBIC	評価会/開講式	TBIC
	18~19	土~日	2	帰国準備・帰国			〃

INFORMATION ON GROUP TRAINING COURSE

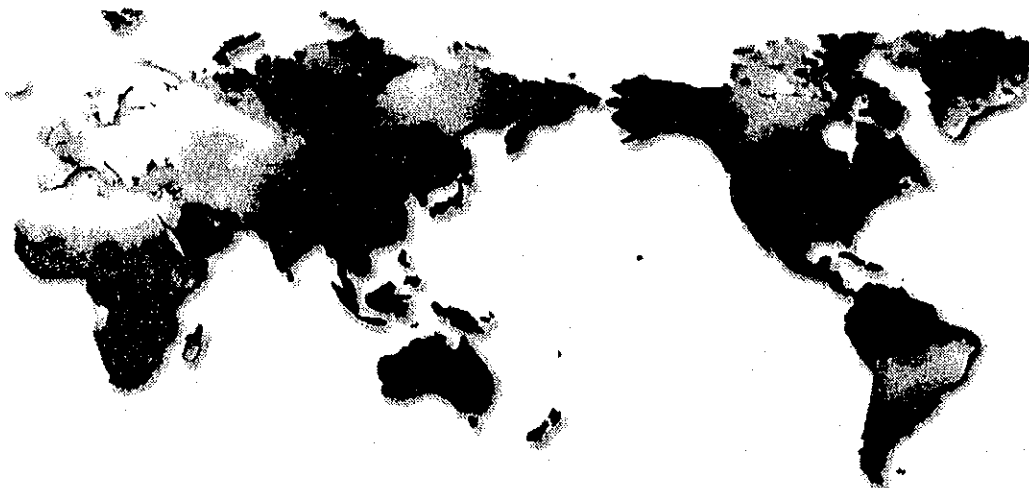
FOREST RESEARCH

JFY 2000

集団：森林研究コース

COURSE NO: J-00-00501

August 14, 2000 ~ November 19, 2000



THE GOVERNMENT OF JAPAN
JAPAN INTERNATIONAL COOPERATION AGENCY

Preface

The Japanese Government extends official development assistance (ODA) to developing countries to support self-help efforts that will lead to economic progress and a better life for the citizens of those countries.

Since its foundation in 1974, the Japan International Cooperation Agency (JICA) has implemented Japan's technical cooperation under the ODA programme.

Currently, JICA conducts such activities as training, dispatch of experts, provision of equipment, project-type technical cooperation, development study, dispatch of cooperation volunteers (JOCV), survey and administration of capital grant aid programmes.

The training programme for overseas participants is one of JICA's fundamental technical cooperation activities for developing countries. Participants come from overseas in order to obtain knowledge and technology in a wide variety of fields.

The objectives of the JICA training programme are:

- (1) to contribute to the development of human resources that will promote the advancement of developing countries, and
- (2) to contribute to the promotion of mutual understanding and friendship.

The Group Training Course in Forest Research is designed to contribute to upgrading the knowledge and skills of participants in the fields of Forest Chemistry, Wood Chemistry, and Wood Technology Research, so as to train researchers capable of playing important roles in these fields.

I. ESSENTIAL FACTS

COURSE TITLE (No.)	Forest Research (J 00-00501)
DURATION	August 14, 2000 to November 19, 2000
DEADLINE FOR APPLICATION	June 9, 2000 *for acceptance in the JICA office or the Embassy of Japan
NUMBER OF PARTICIPANTS	5
LANGUAGE	English
TARGET GROUP	<u>Research Scientist</u> of Forest Research Organization or Universities
COURSE OBJECTIVES	Through the training program, participants are expected to: 1. Obtain comprehensive knowledge and new technology of forest research 2. Develop a higher ability to carry out research in their own subjects in forest research
TRAINING INSTITUTION	Forestry and Forest Products Research Institute (FFPRI) Ministry of Agriculture, Forestry and Fisheries Address : 1 Matsu-no-sato, Kukisaki-machi, Inasiki-gun, Ibaraki-ken, 305-8687 Japan Tel : 81 (*) - 298(**) - 73- 3210 Fax : 81 (*) - 298(**) - 73- 1541 Homepage : http://www.ffpri.affrc.go.jp/
ACCOMMODATION	Tsukuba International Centre (TBIC) of the Japan International Cooperation Agency (JICA) Address : 3-Chome 6, Koyadai, Tsukuba-shi, Ibaraki-ken, 305-0074 Japan Tel : 81 (*) - 298(**) - 38 - 1118 Fax : 81 (*) - 298(**) - 38 - 1790 Homepage : http://www.jica.go.jp
ALLOWANCES & EXPENSES	The Government of Japan provides the following allowances and covers the following expenses through JICA in accordance with relevant laws and regulations. Details Round-trip air ticket between an international airport designated by JICA and Japan, accommodation allowance, living allowance, outfit allowance, book allowance, shipping allowance, expenses for JICA study tours, free medical care for participants who become ill after arrival in Japan (costs related to preexisting illness, pregnancy and dental treatment are not included), etc.

(* : country code for Japan) (** : local area code)

II. CURRICULUM

1. Curriculum

<u>Programme</u>	<u>Place</u>	<u>Number of Days</u>
(1) Course Orientation	FFPRI	1
(2) General Lecture on Forest, Forestry and Forest Products	FFPRI	3
(3) Country Report Presentation	FFPRI	1
(4) Study Tour (some Forest management area in Japan)		5
(5) Individual Research Training (Including some Field Researches)	FFPRI	41

The 31 subjects are prepared for Individual Research Training for year 2000. (Details in Supplement and Annex 1)

- Remarks :
- (i) Applicants should select three (3) subjects in the order of priority and indicate their choices on Application Form for Individual Research Training (format attached as Annex 2) in the order of priority.
 - (ii) Applications without the said specific subjects will be rejected.
 - (iii) Applications may not always be allotted the subjects of their first priority depending on whether the number of applicants is greater than the number of positions available.
 - (iv) Applicants should fill in the Application Form for Individual Research Training and submit it together with the Nomination Form.
Applicants not accompanied by a completed form will be rejected.

(6) Technical Report Preparation	FFPRI	3
(7) Technical Report Presentation	FFPRI	1

Each participant is requested to make a technical report on the Individual Research Training he/she selected, and present it after the Individual Research Training.

For a complete description of the curriculum, please refer to Annex 3.

2. Methodology

The Individual Research Training will be held in the laboratories of FFPRI under the direction of instructors of FFPRI's research staff. The training is usually given in the form of on-the-job training. Participants should be actively involved in the Individual Research Training to enhance and make the most of their experience. Once the Individual Research Training is over, each participant is requested to make a technical report on the subject he/she selected, present it and submit it to JICA and FFPRI.

III. REQUIREMENT FOR APPLICATION

Applicants should :

- (1) be nominated by their government in accordance with the procedures mentioned below;
- (2) be university graduates, college graduates or have the equivalent academic background and have at least five (5) years work experience in the field of forest research;
- (3) be research scientist of forest research organizations or universities;
- (4) be proficient in spoken and written English. Experience has shown that many participants find themselves unable to make progress in their training because of inadequate English language skills
- (5) be under forty (40) years of age in principle;
- (6) be in good health, both physically and mentally, to undergo the training, As the schedule of this course includes much field work that would be too demanding for pregnant women, pregnancy as a disqualifying condition for participation in this training course; and
- (7) not be serving in the military.

ATTENTION

Participants are required,

- (1) to observe strictly the course schedule;
- (2) not to change course subjects or extend the course period;
- (3) not to bring any members of their family;
- (4) to return to their home country at the end of their course according to the international travel schedule designated by JICA.
- (5) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the Japanese Government in respect of this training course;
- (6) to observe the rules and regulations of the training institution or establishments with which participants undertake to study or train;
- (7) to observe the rules and regulations of their place of accommodation and not to change accommodations designated by JICA; and
- (8) to refrain from engaging in political activities or any form of employment for profit or gain while in Japan.

IV. PROCEDURES FOR APPLICATIONS

1. A government desiring to nominate applicants for the course should fill in and forward one (1) original and three (3) copies of the Nomination Form (Form A2A3) for each applicant , to JICA Office (or the Embassy of Japan) **not later than June 9, 2000.**
2. The JICA Office(or the Embassy of Japan) will inform the applying government whether or not the nominee's application has been accepted **not later than July 14, 2000.**
3. COUNTRY REPORT
Applicants are requested to submit the Country Report on the present situation in their respective fields of study and interest in their own countries in English together with the Nomination Form. This country report should be typewritten in accordance with the format. This report should be on A4 size paper (210mm×297mm).(please refer to Annex 4)

V. OTHER MATTERS

1. Pre-departure orientation is held at JICA overseas offices to provide the selected candidates with details on travel to Japan, conditions of training, and other matters. Participants will see a video, "TRAINING IN JAPAN", and will receive a textbook and cassette tape, "SIMPLE CONVERSATION IN JAPANESE" A brochure, "GUIDE TO TRAINING IN JAPAN" will be handed to each selected candidate before (or in the time of) the orientation.
2. Training Institution
FFPRI is comprised of a headquarters unit of nine divisions, five regional Forest Research Centers, and Forest Science Garden. These entities perform extensive research on forest, forestry, forest products and associated activities for the social, economic and environmental benefit of both the people of Japan and the people of the world. More information on research divisions in the headquarters is shown in the Supplement.
3. Certificate
Participants who have successfully completed the course will be awarded a certificate by JICA and FFPRI.
4. Pre-contact
Each Participant is expected to have contacts with notified laboratory by e-mail or fax before departure from your country, in order to obtain details of training contents.

ANNEX

Supplement : Research Division of Forestry and Forest Products Research Institute

Forestry and Forest Products Research Institute has seven research divisions in the headquarters. They are: Forest Environment Div., Forest Biology Div., Forest Bio-resources Technology Div., Forestry Technology Div., Wood Chemistry Div., Wood Technology Div., and Forest Management Div.

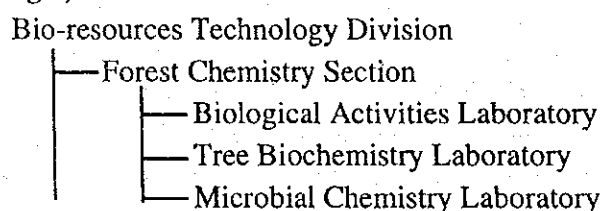
Among seven research divisions, Forest Chemistry Section of Bio-resources Technology Div., Wood Chemistry Div. and Wood Technology Div. are in charge of Forest Products Sub-course, year 2000.

1. Forest Chemistry Section of Bio-resources Technology Division

Forest Chemistry Section is consisted of three laboratories as listed below. Typical Title and aim of this section's research subject is briefly shown below.

- (1) Title : Biochemical Approaches for Elucidation and Utilization of Biological Functions of Forest Plants and Microbes (comprehensive subject of three laboratories).
- (2) Aim : During their long lives, woody plants have synthesized cellulose, hemicellulose, lignin and minor components, and formed cell walls with very complicated structures. Qualities of woods depend on physical structures of cells and chemical nature of cell wall components, studies on physiology of living cell walls and mechanisms of cell wall formation are essentially important for breeding of trees or development of effective utilization of wood components. The secondary metabolizes of woody plant, such as terpenes, tannin, flavonoids and so on, not only represent characteristic of genus or species but also have biologically activities which are useful for plant themselves and for human beings. On the other hand, plant bodies are decayed by numerous microbes in forest biosphere, and this phenomenon plays an important role on carbon cycle of the earth. As microbes, especially wood habiting microbes, have many specific and useful function for conversion of wood components, it is important to elucidate functions and apply them for biomass conversion.

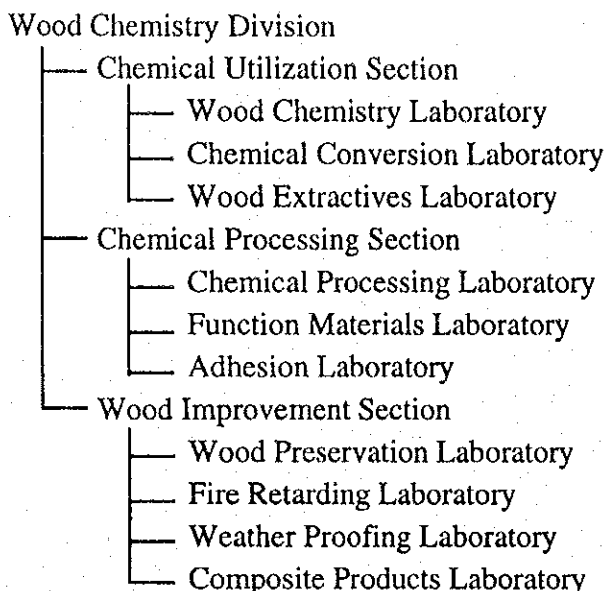
(Fig.1)



2. Wood Chemistry Division

Wood is an important resource to build a sustainable society in the 21st century. This Division conducts research for durable housing and the development of high-performance building materials which are less perishable, less flammable, and less vulnerable to weathering, as well as more sound-proof, heat resistant and comfortable. It also conducts basic and applied research to convert wood components to valuable materials such as biodegradable plastics, environment-remedial materials, useful foods and bioactive chemicals using environmentally friendly processes and biotechnology. Particular attention is being directed to the utilization of wood from the thinning of forests, sawmill waste, waste-paper and wood from demolished buildings to establish the cascade-type utilization of wood resources at every phase of use.

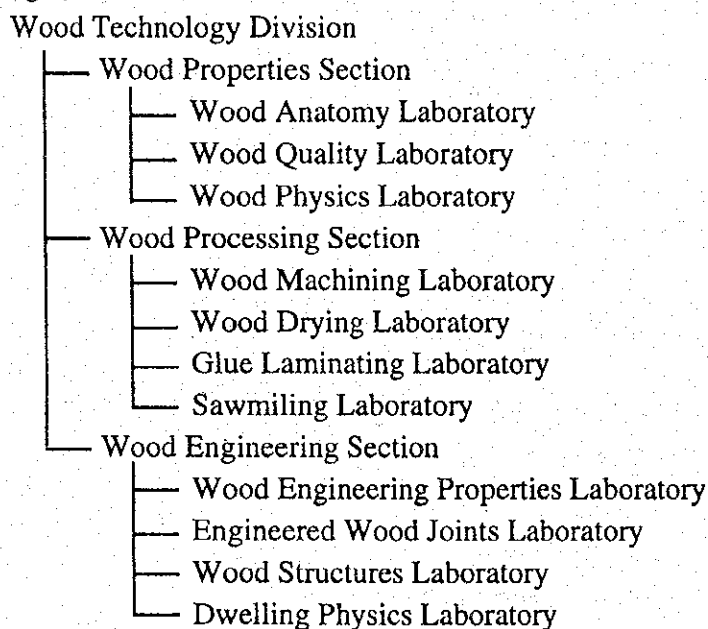
(Fig.2)



3. Wood Technology Division

This Division has conducted research to find most effective use of timber and of the characteristics of timber particularly in the field of wood anatomy, wood quality and wood physics. Comprehensive basic and applied research, has also been conducted to develop improved and more sophisticated methods of saw milling, kiln drying, processing, and manufacturing glue-laminated timber. Further research has been carried out into timber strength, joints, structural performance of timber construction, and evaluation of physical comfort in the environment of dwellings built and furnished with wood.

(Fig.3)



Annex 1

The followings are the 31 subjects for Individual Research Training (41 days).

Each applicant is requested to choose three (3) subjects, and indicate them on the Application Form for Individual Research Training (format attached as Annex 2).

If applicants want to know further details on the subjects, they may directly contact each instructors in FFPRI.

(1) Effect of wood on human comfort and health

(2) Characterization of volatile compounds from woody plants

Dr. Yoshifumi Miyazaki

Chief of Biological Activities Laboratory

Tel.:+81-298-73-3211(Ext.454)

Fax.:+81-298-73-3795

E-mail: miyayk@ffpri.affrc.go.jp

(3) Structural analysis of cell wall polysaccharides by gas chromatography and gas chromatography-mass spectrometry

Dr. Tadashi Ishii

Chief of Tree Biochemistry Laboratory

Tel.:+81-298-73-3211(Ext.455)

Fax.:+81-298-73-3795

E-mail: tishii@ffpri.affrc.go.jp

(4) Cultivation of wood-rotting fungi and analysis of decayed wood

Mr.Atushi Sekiya

Chief of Microbial Chemistry Laboratory

Tel.:+81-298-73-3211(Ext.712)

Fax.:+81-298-73-3795

E-mail: Atushi@ffpri.affrc.go.jp

(5) Chemical analysis of wood, pulping and non-chlorine bleaching

Dr. Shuji Hosoya

Chief of Wood Chemistry Laboratory

Tel.:+81-298-73-3211(Ext.524)

Fax.:+81-298-73-3797

E-mail: hosoya@ffpri.affrc.go.jp

(6) Chemistry and utilization of polyphenols from tree barks

Dr. Seiji Ohara

Chief of Chemical Conversion Laboratory

Tel.:+81-298-73-3211(Ext.525)

Fax.:+81-298-73-3797

E-mail: oharas@ffpri.affrc.go.jp

(7) Bioconversion of wood polysaccharides to sugars

Dr. Mitsuro Ishihara

Chief of Bioconversion Laboratory

Tel.:+81-298-73-3211(Ext.526)

Fax.:+81-298-73-3797

E-mail: ishimi@ffpri.affrc.go.jp

(8) Analysis of wood extractives

Dr. Atsushi Kato
Chief of Wood Extractives Laboratory
Tel.:+81-298-73-3211(Ext.527)
Fax.:+81-298-73-3797
E-mail: katoat@ffpri.affrc.go.jp

(9) Surface modification of wood by plasma treatment

(10) Studies on the composites wood and polymers

Dr. Koichi Setoyama
Chief of Chemical Processing Laboratory
Tel.:+81-298-73-3211(Ext.529)
Fax.:+81-298-73-3797
E-mail: setoyama@ffpri.affrc.go.jp

(11) Cellulosic Membrane Formation and Characterization

(12) Synthetic and Cellulosic Polymer Blend and Characterization

Dr. Yasuhiko Hirabayashi
Chief of Function Materials Laboratory
Tel.:+81-298-73-3211(Ext.531)
Fax.:+81-298-73-3797
E-mail: hiraby@ffpri.affrc.go.jp

(13) Characterization of adhesives

(14) Bonding technique and evaluation of bonding properties

Dr. Akio Inoue
Chief of Adhesion Laboratory
Tel.:+81-298-73-3211(Ext.532)
Fax.:+81-298-73-3797
E-mail: ainoue@ffpri.affrc.go.jp

(15) Natural decay resistance of wood

(16) Efficacy of wood preservatives

Dr. Kouichi Yamamoto
Chief of Wood Preservation Laboratory
Tel.:+81-298-73-3211(Ext.534)
Fax.:+81-298-73-3797
E-mail: koichi@ffpri.affrc.go.jp

(17) Fire retardant materials and its assessment

Dr. Saburo Uesugi
Chief of Fire Retarding Laboratory
Tel.:+81-298-73-3211(Ext.535)
Fax.:+81-298-73-3797
E-mail: uesugi@ffpri.affrc.go.jp

(18) Improvement of weather ability of wood by surface modification

Dr. Makoto Ohkoshi
Chief of Weather Proofing Laboratory
Tel.:+81-298-73-3211(Ext.536)
Fax.:+81-298-73-3797
E-mail: ohkoshi@ffpri.affrc.go.jp

(19) Production and evaluation of wood based composites

Dr. Yasunori Hatano
Chief of Composite Products Laboratory
Tel.:+81-298-73-3211(Ext.537)
Fax.:+81-298-73-3797
E-mail: hatano@ffpri.affrc.go.jp

(20) Wood structure and wood identification

Dr. Shuichi Noshiro
Chief of Wood Anatomy Laboratory
Tel.:+81-298-73-3211(Ext.574)
Fax.:+81-298-73-3798
E-mail: noshiro@ffpri.affrc.go.jp

(21) Tree ring analysis

(22) Wood properties of Japanese soft wood

Dr. Yasuhiko Hirakawa
Chief of Wood Quality Laboratory
Tel.:+81-298-73-3211(Ext.575)
Fax.:+81-298-73-3798
E-mail: hirakawa@ffpri.affrc.go.jp

(23) Measurement of visco-elastic properties of timber by vibration test

Dr. Mario Tonosaki
Chief of Wood Physics Laboratory
Tel.:+81-298-73-3211(Ext.576)
Fax.:+81-298-73-3798
E-mail: tonosaki@ffpri.affrc.go.jp

(24) Machining process of wood and woody materials

Dr. Masayuki Komatsu
Chief of Wood Machining Laboratory
Tel.:+81-298-73-3211(Ext.578)
Fax.:+81-298-73-3798
E-mail: komasa@ffpri.affrc.go.jp

(25) Wood drying process and kiln drying schedule

Dr. Naohiro Kuroda
Chief of Wood Drying Laboratory
Tel.:+81-298-73-3211(Ext.579)
Fax.:+81-298-73-3798
E-mail: naokun@ffpri.affrc.go.jp

(26) Glued laminating of woody materials

Dr. Tsuyoshi Fujii
Chief of Glued Laminating Laboratory
Tel.:+81-298-73-3211(Ext.581)
Fax.:+81-298-73-3798
E-mail: fjt@ffpri.affrc.go.jp

(27) Bandsaw filing, maintenance of sawing machines, and sawing technology

Dr. Katsutoshi Fujiwara
Chief of Sawmiling Laboratory
Tel.:+81-298-73-3211(Ext.582)
Fax.:+81-298-73-3798
E-mail: sdust@ffpri.affrc.go.jp

(28) Evaluation of timber as structural members

Mr. Hirofumi Nagao
Chief of Wood Engineering Properties Laboratory
Tel.:+81-298-73-3211(Ext.584)
Fax.:+81-298-73-3798
E-mail: hn0829@ffpri.affrc.go.jp

(29) Basic strength properties of wood joints and fasteners

Dr. Tomoyuki Hayashi
Chief of Engineered Wood Joints Laboratory
Tel.:+81-298-73-3211(Ext.585)
Fax.:+81-298-73-3798
E-mail: tomoyuki@ffpri.affrc.go.jp

(30) Seismic resistance of timber structures

Dr. Fumio Kamiya
Chief of Wood Structures Laboratory
Tel.:+81-298-73-3211(Ext.586 or 583)
Fax.:+81-298-73-3798
E-mail: fkamiya@ffpri.affrc.go.jp

(31) Evaluation of physical comfort in the environment of dwellings built and furnished with wood

Dr. Shuzo Sueyoshi
Chief of Dwelling Physics Laboratory
Tel.:+81-298-73-3211(Ext.587)
Fax.:+81-298-73-3798
E-mail: sue@ffpri.affrc.go.jp

Annex 2

APPLICATION FORM FOR INDIVIDUAL RESEARCH TRAINING

I. Name of applicant and country

II. Number and Name of the subject selected from Annex 1

(Priority)	(Number)	(Name)
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1.

2.

3.

III. Detailed Description of the research proposal for the selected subject

1.

2.

3.

IV. Academic and Professional Training

1. Name of Institution

2. Period

3. Certificates or Titles Obtained

V. Research Experience

VI. Seminars and Publications

VII. Future plan for your research work

(To be submitted with the Nomination Form)

(This paper should be on A4 size paper, typed with some pages)

Annex 3

GROUP TRAINING COURSE
ON
FOREST RESEARCH, 2000
AT
FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE

<u>Programme</u>	<u>Places</u>	<u>Number of Days</u>
Briefing	TBIC	1
General Orientation	TBIC	4
Learning of Japanese Language	TBIC	5
Opening Ceremony and Course Orientation	FFPRI	1
General Lecture	FPRI	3
Country Report Presentation	FFPRI	1
Study Tours (Group)	FFPRI	5
Individual Research Training	FFPRI	41
Technical Report Preparation	FFPRI	3
Technical Report Presentation	FFPRI	1
Evaluation Meeting and Closing Ceremony	TBIC	1
Departure from Japan for Home Country	TBIC	1
	Total	67

*This programme is subject to minor changes.

COUNTRY REPORT

FOREST RESEARCH TRAINING COURSE

2000

- (1) Name of Training Course
- (2) Name of Participant
- (3) Name of Organization
- (4) Organization Chart (Please draw or attach a chart of your organization)
- (5) Subject of Research
 - 1) Present statistics on forest, forestry and forest products
 - a) Forest area
 - b) Growing stock
 - c) Man-made forest area
 - d) Harvesting volume
 - e) Timber supply and demand
 - f) Forest products utilization
 - 2) Present situation of forest, forestry and forest products research administration
 - a) Organization
 - b) Staff(name,number,etc.)
 - c) Other matters
 - 3) Subjects and trend of research
 - a) Forest management
 - b) Silviculture
 - c) Forest protection
 - d) Forest influences
 - e) Wood technology / Forest products chemistry
 - f) Wood utilization

Participant's Country Reports are used as training materials. Each Participant is expected to make an oral presentation of this Country Reports using overhead projectors (OHP) and/or slide projectors at the beginning of this training course. Therefore participants are advised to bring visual materials such as figures and tables on the transperence paper and/or slides as many as possible.

(To be submitted with the Nomination Form)

(This paper should be on A4 size paper, typed with some pages)

国別・年度別受入実績表

国名	林業・林産研究 コース	森林研究コース									合 計
	昭和36年度～ 平成3年度	平成 4年度	平成 5年度	平成 6年度	平成 7年度	平成 8年度	平成 9年度	平成 10年度	平成 11年度		
バングラディシュ	2										
カンボディア	1										
中 国	6						1		1		2
インド	5										
インドネシア	31									1	1
大韓民国	10										
マレーシア	10			1						2	3
ミャンマー	9										
ネパール	1								1		1
台湾	1										
フィリッピン	30		1								1
ラオス	1										
スリ・ランカ	1										
タイ	37	1	1	1			1	2			6
ヴェトナム	1										
カメルーン	1										
中央アフリカ	1										
エチオピア	4		1								1
ガーナ								1			1
ケニア	4					1	1				2
ナイジェリア	1										
南アフリカ									1		1
タンザニア	4										
ザンビア	3										
アルゼンチン	1			2							2
ボリビア						1					1
ブラジル	22	1	1			1					3
チリ	4	1	1			1			1		4
コロンビア	2										
エクアドル	2										
キューバ									1		1
ドミニカ共和国								1			1
ホンジュラス										1	1
メキシコ	2						1			1	2
パラグアイ	3	1									1
ペルー	4						1				1
ウルグアイ	4			1							1
アラブ首長国連邦	1										
アフガニスタン	4										
エジプト	2										
イラン	3										
イラク	1										
トルコ	1										
スーダン	1										
バブアニューギニア	4					1					1
合 計	225	4	5	5	5	5	5	4	5	5	38

EX-PARTICIPANTS OF FORESTRY AND FOREST PRODUCTS RESEARCH / FOREST RESEARCH

-Brazil-

	NAME	TRAINING SUBJECT	DURATION	PRESENT OCCUPATION			RESIDENCE		
				POST	NAME OF ORGANIZATION	ADDRESS	TEL	ADDRESS	TEL
1	Mr. EDSON POSSIDONIO TEIXEIRA 8201785	(C) Forestry and Forest Products Research 林業林産研修	82.08.28 ~ 82.11.25	Scientist Research Entomologista * Chief, Section of Parasitology	Instituto Agronomico de Campinas (IAC) Instituto Florestal de Sao Paulo, Fiotecnia Parasitologica	Rua Do Honor Numero 1197 Sao Paulo		*Rua Pedro Domingos Vitali, 750 ap.42. 13030-370 Campinas, SP. Rua Alfredo Pujol Numero 328 Apartamento 22 Santana Sao Paulo Brazil	
2	Mr. VELLOZO LYSIAS DA COSTA FILHO 8201784	(C) Forestry and Forest Products Research 林業林産研修	82.08.28 ~ 82.11.25	Regional Biodiversity Conservation Coordinator * 技師のためモザンビークに滞在	Environmental Institute of Parana State Instituto de Terras e Cartografia, Coordenadora de Parques e Reservas	Rua Desembargador Motta 3384		*Rua Campinas, 68-Jardim America 87, 705-230 Paranaivai-Parana-Brazil AV. Dret Erasmo Gaerner 2078 APTD 211 Bloco 82 Estado do Parana Curitiba Brazil 80000	
3	Mr. Milton KANASHIRO 8201927	(C) Forestry and Forest Products Research 林業林産研修	82.09.02 ~ 82.11.25	Pesquisador * ヨーロッパへ留学中	Empresa Brasileira de Pesquisa Agropecuaria, Pesquisa Florestal Cpatu	TRAV. Dr Enecas Pinheiro S/N Caixa Postal 48 66000 Belimpara Brazil * Rua do Horto, 931 Sa Paulo, SP. Brazil 02377		AV. Almirante Barroso 4923 APTD 212C * Rua Felicio Tarabay, 294 Sao Paulo, Brazil 02344	
4	Mr. JOSE LUIZ PEREIRA REZENDE 8401645	(C) Forestry and Forest Products Research 林業林産研修	84.08.23 ~ 84.11.22	Assistant Professor	Universidade Federal de Vicosa, Dept. de Engenharia Florestal Instituto Florestal de Sao Paulo, Fiotecnia Parasitologica	AV. P. H. Roles S/N 36570 Vicosa MG Brazil * Campus Univers, Vi oca, Minas Gerais, Brazil 36570	* 031-8992140	Rua Fuad Chequer No.80 Apart 301 Clelia Bernades 36570 Micososa MG Brazil * Rua Fuad Chequer, 80/304, Vi oca, Minas Gerais, Brazil 36570	* 031-8911226
5	Ms. NILSE KASUE SHIMURA YOKOMIZO 8401646	(C) Forestry and Forest Products Research 林業林産研修	84.08.23 ~ 84.11.22	Scientific Researcher V. Chief of Section * Director, Dasonomia Division	Instituto Florestal * University Administration University Federal de Vicosa	Rua do Horto, 931 02377-000- Sao Paulo, SP Brazil * Rua Do Horto, 931 Sao Paulo SP. Brazil 02377	* Tel : 011 - 2030122	*Rua Benedito Galrao de Franca, 20, 07600-000-Mairipora, SP. Brazil * Rua Benedito Galrao De Fran a, Mairipora Sao Paulo 07600	* 011 - 4302269
6	Mr. HILTON THADEU ZARATE DE COUTO 8501789	(C) Forestry and Forest Products Research 林業林産研修	85.08.22 ~ 85.12.05	Director, Compute Center, Piracicaba Campus * Associate Professor	School of Agriculture, University of Los Paulo * Universidade de Sao Paulo	Rua Gov. P. Toledo, 543, Piracicaba, SP. Brazil 13400 Street Bom Jesus 650	* Tel : 0194 - 331719	*Rua Gov. Pedro Toledo 543, 13400-070-Piracicaba, SP. Brazil * Caixa Postal 9, Piracicaba, Sao Paulo, 13400	* 0194 - 331719
7	Mr. ROBERTO BANDEIRA DE ASSIS 8602189	(C) Forestry and Forest Products Research 林業林産研修	86.08.17 ~ 86.12.01	Student	Federal University of Parana, Forestry Engineering Course	Street Bom Jesus 650		Street Brazillino Moura 674 Brazil	

EX-PARTICIPANTS OF FORESTRY AND FOREST PRODUCTS RESEARCH / FOREST RESEARCH

-Brazil-

NAME	TRAINING SUBJECT	DURATION	PRESENT OCCUPATION			RESIDENCE		
			POST	NAME OF ORGANIZATION	ADDRESS	TEL	ADDRESS	TEL
8 Mr. UMBERTO KLOCK 8702579	(C) Forestry and Forest Products Research 林業林産研修		Professor with excessive dedication - Assistant IV.	Universidade Federal de Parana, Department of Forestry Technology and Engineering, Education, Research and Extension.	Bom Jesus 650 Juveve, Cep 80.035-010 - Curitiba- Pr		R. Ste de Abril, 1294, Ap108- Alto da Gloria, Curitiba-Pr-Brazil-80040-120	041-2439892
9 Mr. WALDIR JOEL DE ANDRADE 8802538	(C) Forestry and Forest Products Research 林業林産研修	88.08.14 ~ 88.12.12	Scientific Researcher * Park & Reserves Chief, Paraba Valley Region,	Federal University of Parana, Forestry Engineering Postgraduation Course Instituto Florestal, Divisao de Reservas e Parques Estaduais Instituto Florestal de Sao Paulo, Fitotecnica Parasitologica	R Bom Jesus 650 Juveve Curitiba Parana Brazil CEP 80010 Rua do Horto 931 CCP 01000 Caixa Postal 1322 * Viveiro Florestal de Taubate, Cep 12100, C.P. 102	041-2527022	R. Morreis 10 AP502 Curitiba Parana Brazil CEP 80370 Rua Marquesa 148 Casa 1	011-2034453
10 Ms. DOROTHEA DE SOUZA PEDROSA 8802541	(C) Forestry and Forest Products Research 林業林産研修	88.08.14 ~ 88.12.12	Biologist * Biologist, Servico de Ecologia Aplicada	State Foundation for Environmental Engineering, Botanical Centre of Rio de Janeiro * Foundation for Environmental Engineering	Estrada da Vista Chinesa 741 Rio de Janeiro RJ Brazil CEP 20531 * Estrada da Vista Chinesa, 741 Rio de Janeiro RJ. Brazil 20531	021-3220331	Rua Jpacheco Leao 174 BLA APT 204 Rio de Janeiro RJ Brazil CEP 22460	021-2942242
11 Mr. ANANIAS DE AIMEIDA SARATVA 8901712	(C) Forestry and Forest Products Research 林業林産研修	89.08.14 ~ 89.12.08	Chief, Itapeva Experimental Stati * Chief, Itapeva Branch	Experimental Station and Forest, Instituto Florestal de Sao Paulo * Experimental Station and Forest, Instituto Florestal de Sao Paulo	Rua do Horto 931 * Major Evrico Monteiro 143 Itapeva SP. Brazil 18900		Rua Aleixo Jorge 107 Sumarezinho Sao Paulo * Major Evrico Monteiro 143 Itapeva SP. Brazil 18900	* 0155-621363
12 Mr. FRANCISCO CARLOS SORIANO ARCOVA 9002370	(C) Forestry and Forest Products Research 林業林産研修	90.08.13 ~ 90.12.09	Researcher * Researcher	Instituto Florestal de Sao Paulo Instituto Florestal de Sao Paulo	Rua do Horto 931 Jardim Tremembe Sao Paulo Brazail CEP 02377 * Rua Do Horto, 931 Sao Paulo SP. Brazil 02377	* 011-2030122 * Fax : 011 - 2048067	Rua Adolpho Bozzi 317 APT0 83 Jardim Bela Vista Osasco Sao Paulo Brazail CEP 06000 * Rua do Adolpho Bozzi, 317-Apio 83 Osasco Sao Paulo Brazil 06080	7051281 * 0155-621363
13 Mr. DIVINO ETERNO TEIXEIRA D9102186	(C) Forestry and Forest Products Research 林業林産研修 J9100146	91.08.26 ~ 91.12.22	Researcher	IBAMA	Sain AV. Ja Lote 4 Brasilia de CEP 70770	061-2244789	Sqs 405 Blood F APT 301 Brasilia de CEP 70239	061-2433642
14 Ms. MARIA DE LAURDES GONCALVES D9102187	(C) Forestry and Forest Products Research 林業林産研修 J9100146	91.08.26 ~ 91.12.22	Forestry Engineer	State od Acre Technology Foundation	AV. Das Acacias Lote 01 Zona A Brazil	068-2263304	Rua Vicente Ciccarino 166 APT0 28-BOA Vista Curitiba Parana Brazil	041252 3677

EX-PARTICIPANTS OF FORESTRY AND FOREST PRODUCTS RESEARCH / FOREST RESEARCH

-Brazil-

	NAME	TRAINING SUBJECT	DURATION	PRESENT OCCUPATION		RESIDENCE			
				POST	NAME OF ORGANIZATION	ADDRESS	TEL	ADDRESS	TEL
15	Ms. VERONICA Palacios D9202115	Forest Research 森林研究 J9200501	92.08.17 ~ 92.11.29	Forestry Researcher	Forestry Research Foundation of Parana	Rua Bom Jesus, 650-Juveve, Curitiba-Parana Brazil			
16	Mr. ALFREDO CELSO FANTINI D9302135	Forest Research 森林研究 J9300501	93.08.16 ~ 93.11.27	Professor Assistant Professor of Forestry	Universidade Federal de Santa Catarina Forestry Researcher on Tropical Atlantic Forest Federal University of Santa Catarina	•Cx.Postal 476, 88040-900 Florianopolis/SC, Brazil Universidade Federal de Santa Catarina CCA.CX.p.476 88040-900 Florianopolis-SC		•Rua Tio Carvalho, 21-B12-203, 88040-400 Florianopolis/SC-Brazil	
17	Ms. Rosana Clara Victoria HIGA D9505144	Forest Research 森林研究 J9500501	95.08.14 ~ 95.11.25	Researcher	National Centre of Forest Research /EMBRAPA Pesquisa Agropecuaria CNPFLORESTAS (Centro Nacional de Pesquisa de Florestas)	Estrada da Ribeira, Km 111, 83411-000 Colombo, PR, Brazil Estrada de Ribeira, km111 Caixa Postal, 319 CEP-83405-970 Colombo, PR, Brazil		•Rua Emilio Cornelisen 198, apto 84 Curitiba, PR CEP:80540-220	

EX-PARTICIPANTS OF
FORESTRY AND FOREST PRODUCTS RESEARCH / FOREST RESEARCH

-Paraguay-

	NAME	TRAINING SUBJECT	DURATION	PRESENT OCCUPATION			RESIDENCE		
				POST	NAME OF ORGANIZATION	ADDRESS	TEL	ADDRESS	TEL
1	Ms. EDILIA Ramirez Haedo D9202223	Forest Research 森林研究 J9200501	92.08.17 ~ 92.11.29	Director Chief	Centro Forestal Itapua Teaching Department, Centro Forestal Itapua (CEDEF), Servicio Forestal Nacional, Ministerio de Agricultura y Ganadería	Km. 62, Ruta 6ta.-Pirapua-Itapua-Paraguay Tacuary 443- Edificio Patria Asuncion, Paraguay		Km. 61, 1 Ruta 6ta.-Pirapua-Itapua - Paraguay	

帰国研修員名簿 (パラグアイ)

(資料5)

FOLLOW-UP SURVEY FOR EX-PARTICIPANTS OF TRAINING COURSES
TSUKUBA INTERNATIONAL CENTER (TBIC)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**QUESTIONNAIRE FOR EX-PARTICIPANTS
OF
THE GROUP TRAINING COURSE**

I. PERSONAL DATA

1. Name in full

2. Home address

3. Year of your participation in THE GROUP TRAINING COURSE

II. YOUR PRESENT ORGANIZATION OUTLINE

1. Name, type of organization and size
(1) Name of your organization

- (2) Your present title in your organization

If your title changed after your participation in THE GROUP TRAINING COURSE,
please state the two most recent titles you've had and your activities.

- (3) Please indicate the type of your present organization. Please choose one of the following items

- (4) How many staff members does your organization have?

2. Activities, responsibilities and organization chart

What are the main activities of your organization and what are your activities and responsibilities in it?

* If you have an organization chart, please attach it.

III. EVALUATION OF THE GROUP TRAINING COURSE

1. Ex-participant's evaluation of the course

- (1) Do you think your participation in the course has been useful to your career?

Curriculum : Very good ()

- Good ()
 Fair ()
 Poor ()
 Very Poor ()
- Course Management : Very good ()
 Good ()
 Fair ()
 Poor ()
 Very Poor ()
- Content : Very good ()
 Good ()
 Fair ()
 Poor ()
 Very Poor ()
- Training Methodology : Very good ()
 Good ()
 Fair ()
 Poor ()
 Very Poor ()

(2) If you answered "Fair", "Poor" or "Very poor" for any of the above, please explain briefly.

(3) After your participation in the course, did you receive any promotion in your position?

Yes, ()

No ()

If "Yes", how and when?

(4) After your participation in the course have you tried to share the knowledge and skills you learned with other staff members in your organization?

Yes, ()

No ()

If "Yes", please give an example?

2. Technical improvement

(1) Have your knowledge and skills improved through your participation in the course?

Fairly, ()

Somewhat, ()

No ()

(2) If you answered "Fairly" or "Somewhat", please give an example(s).

(3) If you do not think so, what do you consider the reasons to be?

The difference in the level of training was
 too high ()

- too low ()
- Language barrier ()
- No interest in the training contents ()
- Problems in method of instruction ()
- Other reasons ()

Please specify.

3. Applicability

(1) Have the knowledge and skills you acquired in the course been useful and applicable to your current work? Please choose one.

- Fully, ()
- Mostly, ()
- Partly, ()
- Slightly, ()
- Not at all ()

(2) If you answered "Fully", "Mostly" or "Partly", please specify what knowledge and/or techniques are useful and applicable?

(3) If you answered "Slightly" or "Not at all", what are the main causes?

- () Currently involved in a different kind of work
- () gap(s) in skill level
- () Difference in technical background (Methods etc.)
- () Other

Please specify.

(4) Which subject of the course was most beneficial to your job?

(5) Have you ever presented a research paper and/or oral presentation at an academic meeting based on the research results gained from the course?

- Yes, ()
- No ()

If "Yes", please give its name.

IV. TRAINING COURSE IMPROVEMENT

1. Time allocation: Training course as a whole and among each of the programs

(1) Overall course duration (Present course: 3 months)

- Too long, ()
- Fair, ()
- Too short ()

If you answered "Too long:" or "Too short", what do you feel is the appropriate length?

Why?

(2) Time allocation for each programs

2. Subject(s) to be added or deleted

(1) What training subject(s) should be more emphasized and/or added?

(2) What training subject(s) are not needed in the program?

(3) What type of sites would be preferable for visits? What would you like to see there?

3. Suggestions for the improvement of future programs

V. JICA AFTER CARE SERVICES

1. Requests as to follow-up for ex-participants of the course.

(1) After your participation in the course, have you contacted your host institute in Japan?

Yes, ()

No ()

(2) If "Yes", in what situation?

(3) Please specify any requests as to JICA's follow-up care for ex-participants.

2. Alumni Association of JICA Ex-participants

(1) Are you a member of the Alumni Association of JICA Ex-participants?

Yes, ()

No ()

(2) If "Yes", what activities do you take part in?

VI. YOUR IMPRESSIONS ON JAPAN'S UPDATING THE GROUP TRAINING COURSE

VII. REQUESTS TO JICA

Thank you very much for your kind cooperation

EX-PARTICIPANTS

QUESTIONNAIRE FOR ORGANIZATIONS CONCERNED

I. ORGANIZATION OUTLINE

1. Name, type of Organization and size

(1) Name of Organization:

Address:

(2) Type of organization.

- a) Governmental ()
- b) Semi-Governmental ()
- c) Private ()
- d) Other ()

Please specify

(3) Number of staff members:

a) Total:

b) Research/Technical:

c) Administrative:

2. Activities, responsibilities and organization chart

3. Relationship with Japan

(1) Number of participants in..

a) Total:

b) The Course:

c) Other JICA's Courses:

(2) Is your organization involved in any joint project or program (research/training) with Japanese institute(s) besides JICA?

Yes, ()

No ()

If "yes", please specify

(3) Does your organization have any relationships with other countries through something similar to JICA's training courses?

Yes, ()

No ()

If "yes", Please specify

(4) Is your organization involved in any joint programs and/or projects with Japanese research institutes?

Yes, ()

No ()

If "Yes", what ?

II. APPLICATION AND NOMINATION OF CANDIDATES TO JICA TRAINING COURSES

1. Procedure of selection

(1) How long does it take you to choose the final candidate(s)?

() The organization advertises for candidates and selects them based on his/her aptitude and qualifications.

() The organization selects the candidate from the organization's staff based on his/her aptitude and qualifications.

() Others (Please specify the procedure below).

(2) How long does it take you to choose the final candidate(s)?

within one month ()

more than one month ()

If it takes more than one month, how many months?

(3) What are the standards and qualifications considered during candidate selection for the Course?

present post of candidate ()

educational background ()

research record ()

intention ()

service record ()

interchange with the training institute ()

other (Please specify below.)

2. General Information (G.I.):

(1) Is information from the "G.I." sufficient for selecting final candidate(s)?

sufficient ()

insufficient ()

If insufficient, please specify.

(2) Do you usually receive the "G.I." well in advance?

Yes ()

No, it arrives late. ()

3. Number of prospective applicants/candidates

(1) Number of applicants/candidates selected every year for the Course.

(2) Number of staff members in your organization qualified for the Course.

III. EVALUATION OF THE TRAINING PROGRAM

1. Results/achievements of the training

Have you received good results from:

a) the method of researching

b) the knowledge/skill(s) acquired

c) Others

2. Applicability of the knowledge/skill(s) obtained through the training in Japan

(1) a lot, ()

to some extent, (C F I)

no application ()

(2) Examples of good application.

(3) If "no application", why ?

(4) Do you try to assign ex-participants to responsibilities/posts where they can make good use of the knowledge/skill(s) obtained through the Course ?

Yes, (C F I)

No ()

(5) If "Yes", how?

3. Expectations for future JICA programs

(1) Would you like to continue sending your staff members to participate in the Course?

Yes, ()
No ()

(2) If "Yes", when ?

4. Comparison with other programs

How do you evaluate the Course compared with other courses?

- level of content : () high, () low, () neither,
() satisfactory
- length : () long, () short, () neither
- quantity : () difficult, () easy, () neither
- number of participants : () many, () not many, () neither

IV.IMPROVEMENT TO THE COURSE IN THE FUTURE

1. Knowledge/skill(s) your organization hopes to obtain from THE COURSE.In the future, what knowledge/skill(s) would you expect from the COURSE?

2. Improvements to THE COURSE

a) Duration of program

b) Curriculum

c) Content of training

d) Technical levels

e) Other

V. JICA AFTER SERVICES

VI.MAJOR PROBLEMS OF TECHNOLOGY

VII.REQUESTS TO JICA