

**Outline of
The Group Training Course [1]
in Japan**

1980 (April, 1980 to March, 1981)

**Japan International Cooperation Agency (JICA)
Tokyo, Japan**

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INTRODUCTION

This brochure is prepared to introduce the summary of content of the working plans of group training courses for participants from developing countries, as part of Japan's technical cooperation programmes for the fiscal year of 1980.

Copies of "INFORMATION" on the details of those group training courses are scheduled to be provided later, however, prior to the forwarding of copies of the said "INFORMATION", it is earnestly hoped that this brochure be useful for your understanding the outlines of those group training courses.

Director,
Training Affairs Department,
Japan International Cooperation Agency

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1. DEVELOPMENT PLAN

SERIAL NUMBER 1

INSTITUTIONAL TREATMENT OF ADULT OFFENDERS

(矯正保護〔犯罪防止〕)

1. PERIOD

April 3, 1980 to July 8, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Persons who hold relatively senior positions in central bureaus or departments or field agencies concerned with the institutional treatment of offenders
- 2) Persons who have at least 8-year practical experience in this field or 5-year practical experience plus a university degree or its equivalent
- 3) Under 50 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Appropriate treatment measures for re-integrating offenders into community
 - Comparative study on institutional treatment of adult offenders
 - Group workshop on the topics selected by participants
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

A nominee who is selected as a participant in this Training Course is requested to prepare and bring with him papers and materials appropriate for the implementation of this course

SERIAL NUMBER 11

LOCAL GOVERNMENT ADMINISTRATION (地 方 行 政)

1. PERIOD

April 10, 1980 to July 1, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Local government system in Japan
 - Regional development
 - Outline of the government of Japan and its major policies
 - Local government system in the participating countries
 - Local public personnel system in the participating countries
 - Factors regarding regional development and their solutions
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Local Autonomy College, Ministry of Home Affairs

6. REMARKS

SERIAL NUMBER 47

ECONOMIC DEVELOPMENT (SEMINAR) (経済開発セミナー)

1. PERIOD

May 22, 1980 to June 30, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) Government planners in economic development policy
- 2) Under 40 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Factors of Japan's economic development
 - Japan's economic development and Economic policy
 - International cooperation and development
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Economic Planning Agency

6. REMARKS

SERIAL NUMBER 57

DEVELOPMENT ECONOMICS (INDUSTRIAL PROJECT)

(開発エコノミスト〔工業〕)

1. PERIOD

July 3, 1980 to September 18, 1980 (2.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of 3 or 4 years
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning and analysis of industrial development project – with special emphasis on agriculture-related industries
 - Japanese economic development – its relevance to contemporary problems of development
 - Field workshop and field study programmes
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

International Development Centre of Japan

6. REMARKS

SERIAL NUMBER 78

NATIONAL GOVERNMENT ADMINISTRATION (国 家 行 政)

1. PERIOD

September 4, 1980 to November 29, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years in public service or semi-government service in addition to more than 2 years' in central or national civil service
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Comparative study on the Central Government in the participating countries
 - Problems centering on modernization
 - Public administration and civil service
 - Principles, planning and techniques concerning public policies
 - Actual state of department administration and on-the-spot study through assignment to Ministry
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Public Administration, National Personnel Authority

6. REMARKS

SERIAL NUMBER 83

TECHNICAL MANAGEMENT OF POLLUTION CONTROL (環境技術)

1. PERIOD

September 11, 1980 to October 27, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Junior technical officials
- 2) University graduates or equivalent
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Waste water treatment
 - Assessment and forecast of water quality
 - Water contamination and Ecosystems
 - Water quality monitoring and observation
 - Analysis of water quality
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Environment Agency

6. REMARKS

SERIAL NUMBER 87

ADMINISTRATION OF CRIMINAL JUSTICE (刑事司法行政)

1. PERIOD

September 4, 1980 to December 9, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Judges, public prosecutors, or senior police officials
- 2) Occupational experience of 8 years at least or 5 years plus a university degree or its equivalent
- 3) Good working knowledge of English
- 4) Under 50 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Criminal police of Japan
 - Laws and regulations on criminal matters in Japan and participating countries
 - Identification system of Japan
 - Interpol and international mutual assistance in criminal matters
 - Promotion of international investigative cooperation
 - Police communications of Japan, etc.

5. FACILITIES AND INSTITUTIONS

United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

SERIAL NUMBER 91

PREVENTION OF NARCOTIC OFFENCES (SEMINAR)

(麻薬犯罪取締セミナー)

1. PERIOD

September 25, 1980 to October 29, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) Officers directly responsible for narcotic control
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Study on investigation techniques
 - Countermeasures against addicts and public relation activities
 - Identification of narcotic drugs
 - Instruments and equipments for investigation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

SERIAL NUMBER 95

STATISTICS I (GENERAL) (統計Ⅰ〔総合〕)

1. PERIOD

September 18, 1980 to March 27, 1981 (6.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty (30)

3. QUALIFICATIONS

- 1) University graduates or equivalent with the knowledge of economics and mathematics
- 2) Those who hold, or are capable of assuming, positions of responsibility in government statistical offices
- 3) Preferably between 25 and 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Statistical methods
 - Economic accounting statistics
 - Demographic and social statistics
 - Economic statistics
 - Agricultural statistics
- 2) Observation of field operations of statistical surveys

5. FACILITIES AND INSTITUTIONS

Statistical Institute for Asia and the Pacific, Ministry of Construction

6. REMARKS

SERIAL NUMBER 104

FIRE SERVICE ADMINISTRATION (消 防 行 政)

1. PERIOD

October 2, 1980 to December 19, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Bachelors in law, politics, administration
- 2) Three year experience in the field of fire service
- 3) Under 40 years
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fire service administration, organization and fire personnel
 - Fire prevention
 - Defense system and activity
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defense College and Fire Defense Laboratory
- 2) Tokyo Fire Department
- 3) Fire Defense Agency, Ministry of Home Affairs

6. REMARKS

SERIAL NUMBER 106

DEVELOPMENT ECONOMICS (GENERAL)

(開発エコノミスト〔一般〕)

1. PERIOD

October 2, 1980 to March 31, 1981 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Development planning
 - Basic theory and techniques of project planning
 - Agricultural development and its project planning
 - Industrial development and its project planning
 - Planning and evaluation of transportation projects
 - Development strategies of international organization
 - Japanese economic growth
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

International Development Centre of Japan

6. REMARKS

SERIAL NUMBER 108

TRAFFIC POLICE ADMINISTRATION (交通警察セミナー)

1. PERIOD

October 9, 1980 to December 1, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Division chiefs in charge of traffic administration
- 2) Presently engaged in traffic police bureaus or departments in the central or local organizations
- 3) Good command of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Traffic safety education
 - Traffic law enforcement
 - Traffic engineering
 - Administration of drivers
- 2) Inspections
 - Traffic signal factory
 - Motor vehicle factory
 - National Police Academy
 - etc.

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

SERIAL NUMBER 133

PREVENTION OF OFFENCES (SENIOR COURSE) (犯罪防止〔上級〕)

1. PERIOD

February 5, 1981 to March 22, 1981 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Senior police officers, public prosecutors, judges and other high officials at policy making level, preferably those whose duties are closely related to the prevention and control of social and economic offenses
- 2) Have a sufficient command of spoken and written English
- 3) Under 55 years of age and likely to continue to work in this field for a minimum of 2 years

4. DESCRIPTION OF TRAINING

- 1) Individual presentations
 - Forms and dimensions of social and economic offenses
 - Measures for preventing and controlling social and economic offenses
- 2) Seminar discussions

5. FACILITIES AND INSTITUTIONS

United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

SERIAL NUMBER 137

ENVIRONMENTAL ADMINISTRATION (環 境 行 政)

1. PERIOD

March 19, 1981 to April 27, 1981 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior technical or administrative officials for environmental administration, either central or local, in governmental organizations
- 2) Under 45 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussion
 - Environmental issues in Japan
 - Historical background of Japan's environmental administration
 - Japanese policy for preservation of the environment
 - Environmental impact assessment in regional development plans
 - Pollution control measures taken by the private industry
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

International Affairs Division, Environment Agency

6. REMARKS

2. AGRICULTURE

SERIAL NUMBER 14

AGRICULTURAL EXTENSION SERVICE (農 業 普 及)

1. PERIOD

May 1, 1980 to July 31, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalents
- 2) Engaged in the extension work for the farmers or in a position to train extension workers
- 3) Occupational experience of more than 3 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Agriculture and its extension services in Japan
 - Basic theory of extension method
 - Extension activities in the countries of participants
- 2) Observation tours
 - Extension offices and farm houses
 - Experimental research facilities
- 3) Field study
 - Administration and management of extension service and education by the local government
 - Visit to extension stations, experimental research institutions and private companies, etc.

5. FACILITIES AND INSTITUTIONS

- 1) Extension and Education Division, Extension Department, Agricultural Production Bureau, Ministry of Agriculture, Forestry and Fisheries
- 2) Japan Agricultural Extension Association

6. REMARKS

SERIAL NUMBER 38

CONTROL OF RICE DISEASES AND INSECT PESTS (稲 病 害 虫 防 除)

1. PERIOD

May 22, 1980 to December 16, 1980 (7-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General view on rice cultivation in Japan
 - General principles of rice diseases and insect pests control
 - Rice diseases
 - Rice insect pests
 - Pesticides and Application methods
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo Prefectural Agricultural Research Centre
- 2) Plant Protection Research Laboratory of Agricultural Department, Kobe University

6. REMARKS

SERIAL NUMBER 46

AGRICULTURAL MACHINERY MAINTENANCE AND REPAIR

(農 業 機 械 整 備)

1. PERIOD

June 12, 1980 to December 24, 1980 (6.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age (Male only)
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Items relevant to maintenance and repair of agricultural machinery such as principle, structure, function, performance, method of testing, adjustment and inspection of various kinds of prime movers and agricultural machines.
 - Fundamentals of mechanical engineering such as materials, machine elements, fuel and lubricant.
 - Items related to agricultural machinery such as farm mechanization, its administrative policy in Japan, machinery utilization for rice cultivation as well as agricultural machinery production, inspection and management system.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Member plants of Japan Agricultural Machinery Manufacturers Association
- 2) Osaka International Training Centre, JICA (theoretical lecture)

6. REMARKS

SERIAL NUMBER 51

AGRICULTURAL LAND AND WATER RESOURCES DEVELOPMENT

(農地水資源開發)

1. PERIOD

July 10, 1980 to September 20, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 10 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of Japan's agriculture and land improvement
 - Planning criteria
 - Land improvement project
 - Design criteria
 - Management of facilities and water management
- 2) Observation tours
 - Present situation of agricultural land utilization and water resources development in Japan

5. FACILITIES AND INSTITUTIONS

Agricultural Structure Improvement Bureau, Ministry of Agriculture, Forestry and Fisheries

6. REMARKS

SERIAL NUMBER 32

AGRICULTURAL CO-OPERATIVES (農 業 協 同 組 合)

1. PERIOD

May 8, 1980 to June 20, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General aspects of agricultural co-operatives in Japan
 - Practical operation of primary society
 - Studies in detail of co-operative business
 - Co-operative management and organizational problems
 - Studies on other kinds of co-operatives
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute for the Development of Agricultural Cooperation in Asia

6. REMARKS

SERIAL NUMBER 69

POST-HARVEST RICE PROCESSING (粃处理精米加工)

1. PERIOD

August 28, 1980 to December 1, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Food situation of Japan and Importance of rice
 - Production and export of agricultural machinery
 - Rice Control System
 - Activities of agricultural co-operatives
 - Characteristics of Japonica and Indica
- 2) Observation tours of machine making factory

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Agriculture, Forestry and Fisheries
- 2) Japan Rice Millers Association

6. REMARKS

SERIAL NUMBER 92

FISHERY STATISTICS' (水産統計)

1. PERIOD

September 25, 1980 to November 24, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields (Planning Administration)
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Agricultural situation and statistics in Japan
 - Method of statistical survey
 - Survey for the basic structure on agriculture
 - Survey on agricultural economics
 - Outline of fishery survey and marketing information service
 - Utilization of computer

5. FACILITIES AND INSTITUTIONS

Statistics and Information Department, Economic Bureau, Ministry of Agriculture, Forestry and Fisheries

6. REMARKS

SERIAL NUMBER 138

RICE CULTIVATION (稲 栽 培)

1. PERIOD

March 19, 1981 to November 23, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Agriculture in the world, rice culture in Japan, rice breeding and seed protection, soil & fertilizer, farm machinery, land improvement
 - Extension work, survey, administration
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Tsukuba International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 139

RICE PRODUCTION MECHANIZATION (稲作機械化)

1. PERIOD

March 19, 1981 to November 23, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 year of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Rice production mechanization: Effective introduction of farm machinery (inspection and selection), its utilization and systematic mechanized farming connected with rice production
 - The related subject to mechanization: Rice cultivation, land consolidation works, administration of mechanization and co-operative use of farm machinery in Japan
- 2) Observation tours
 - Experimental and Research Institutes and other related organs

5. FACILITIES AND INSTITUTIONS

Tsukuba International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 140

IRRIGATION AND DRAINAGE (灌 溉 排 水)

1. PERIOD

March 19, 1981 to November 23, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age (Male)
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Principle of irrigation and drainage (meteorological measurement, hydraulic experiment, etc.)
 - Applied knowledge of irrigation and drainage (planning, design of canals, head-work, fill-type dam, etc.)
 - Experiment (hydraulics, concrete and soil mechanics)
- 2) Observation tours
 - National Research Institute of Agricultural Engineering, and construction sites, etc.

5. FACILITIES AND INSTITUTIONS

Tsukuba International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 141

VEGETABLE CROPS PRODUCTION (野菜生産)

1. PERIOD

March 19, 1981 to November 23, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 27 and 37 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Applicable method of intensive cultivation of major vegetable crops
 - Matters pertaining to the rationalization of vegetable marketing and circulation
 - Breeding and seed production technology
 - Experiment in cultivation method
- 2) Observation tours
 - Visits to the institutes, agricultural high school, university and agricultural co-operative associations and other related organs

5. FACILITIES AND INSTITUTIONS

Tsukuba International Agricultural Training Centre, JICA

6. REMARKS

3. ANIMAL INDUSTRY HUSBANDRY

SERIAL NUMBER 19

ANIMAL HEALTH RESEARCH (家畜衛生研究)

1. PERIOD

May 1, 1980 to October 31, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Qualified Veterinarians in principle
- 2) Teachers or researchers who are presently engaged in the field of animal health, with higher priority on those serving in veterinary colleges or national central veterinary institute
- 3) A sufficient command of spoken and written English
- 4) Under forty (40) years of age in principle

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of animal husbandry and animal health administration in Japan
 - Bovine, swine, avian and other livestock diseases
- 2) Observation tours
 - Observation trip to the eastern district
- 3) Specialized study will be conducted according to the participants' individual requests at the laboratories of the National Institute of Animal Health in practice or other institutes concerned in special cases

5. FACILITIES AND INSTITUTIONS

National Institute of Animal Health (NIAH)
Ministry of Agriculture, Forestry and Fisheries

6. REMARKS

SERIAL NUMBER 12

ARTIFICIAL INSEMINATION FOR CATTLE (家畜人工受精)

1. PERIOD

April 24, 1980 to October 23, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Breeding of cattle
 - Adjustment of feed
 - Feed management for dairy cattle
 - Artificial insemination
 - General aspect of livestock industry
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Fukushima National Livestock Breeding Station, Ministry of Agriculture, Forestry and Fisheries

6. REMARKS

SERIAL NUMBER 26

POULTRY DEVELOPMENT (養 鶏)

1. PERIOD

May 8, 1980 to October 3, 1980 (5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 2 years
- 4) Between 26 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Feeding and management for layers and broilers
 - Breeding and improvement of strains
 - Incubation
 - Brooding and rearing
 - Hygiene and diseases
 - Feed
 - Poultry facilities and equipment
 - Extension work
 - Technical consultation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Okazaki National Poultry Breeding Station,
Ministry of Agriculture Forestry and Fisheries
- 2) Nagoya International Training Centre, JICA

6. REMARKS

4. FORESTRY

SERIAL NUMBER 29

WOOD INDUSTRIAL MACHINERY (木材工業機械)

1. PERIOD

May 8, 1979 to August 31, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Between 28 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Lumber cutting and its equipment
 - Plywood machineries
 - Woodworking machineries
 - Technical development and transfer of technology in relation to roles of industrial research institutions, small business guidance centres, chambers of commerce and industry, and co-operative associations
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Industrial Research Institute, Aichi Prefecture
- 2) Nagoya International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 79

REFORESTATION TECHNIQUES AND ADMINISTRATION (森林造成技術者)

1. PERIOD

September 4, 1980 to December 4, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 40 years of age
- 5) Good working knowledge of English
- 6) Congenial to Japanese dishes because a part of training is given in the countryside

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Forestry planning, breeding, nursery practice, regeneration tree tending and watershed managements of Japan
- 20 Observation tours

5. FACILITIES AND INSTITUTIONS

Forestry Agency, Ministry of Agriculture, Forestry and Fisheries

6. REMARKS

5. FISHERIES

SERIAL NUMBER 20

MARINE FISHERIES RESEARCH (水 産 研 究)

1. PERIOD

May 1, 1980 to October 31, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 4 years
- 4) *Under 40 years of age*
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Marine resources
 - Population dynamics and statistics on diagnosis and control of fishery resources
 - Seaweeds and plantation culture
 - Utilization, processing and preservation
 - Water pollution
 - Radioactive contamination of marine environment
 - Ocean-physical analysis of mechanism of sea current changes
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Tokai Regional Fisheries Research Laboratory, Fishery Agency

6. REMARKS

SERIAL NUMBER 53

COASTAL FISHERIES EXTENSION I (PRACTICE)

(沿岸漁業普及 I [実技])

1. PERIOD

July 3, 1980 to December 19, 1980 (5.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) Senior high school graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fishing gear classification and materials of fishing gear
 - Outlines of fishing boat, engine and fish finder, oceanography, fishing ground, fish behaviour and fisheries management
 - Fishing by movable gears, stationary gears
 - Angling and long line fishing
 - Hitching, webbing, handling of netting
 - Model net making, practical net making
 - Engine operation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Centre, JICA

6. REMARKS

SERIAL NUMBER 52

FISHERIES CO-OPERATIVES (漁業協同組合)

1. PERIOD

July 3, 1980 to December 19, 1980 (5.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of fisheries co-operatives, fish marketing, fisheries finance, fisheries co-operatives management, accounting of fisheries co-operatives
 - Fisheries legislation, fisheries co-operatives association law
 - Fisheries mutual insurance system, fishing boat insurance system
 - Essential factors related to fisheries industries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Centre, JICA

6. REMARKS

SERIAL NUMBER 132

COASTAL FISHERIES EXTENSION II (THEORY)

(沿岸漁業普及Ⅱ〔理論〕)

1. PERIOD

January 8, 1981 to June 11, 1981 (5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fishing gears and methods of coastal fisheries in Japan
 - Handling, repair and maintenance of small type marine diesel engines
 - Fisheries administration, economy and fisheries co-operatives
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Centre, JICA

6. REMARKS

6. CONSTRUCTION AND CIVIL ENGINEERING

SERIAL NUMBER 2

MAINTENANCE OF CONSTRUCTION MACHINERY (建設機械整備)

1. PERIOD

April 3, 1980 to July 8, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent (mechanical engineering)
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Development and present situation of mechanized construction work and use of construction machinery
 - Planning of mechanized construction work and use of construction machinery
 - Function, structure and performance of construction machinery
 - Maintenance, repair, inspection, troubleshooting and field construction machinery
 - Planning, layout, parts control, tool control and administration of work shop
 - Construction sites and related manufacturing firms
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Osaka International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 17

PORT AND HARBOUR ENGINEERING (港 灣 工 学)

1. PERIOD

May 1, 1980 to September 6, 1980 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective field
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Outline of ports and harbours in Japan
 - Planning techniques of ports and harbours
 - Design techniques of port harbour facilities
 - Execution techniques of port and harbour works
 - Basic theory of port and harbour engineeringPractical training
 - Port planning
 - Design of port and harbour facilities
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Bureau of Ports and Harbours, Ministry of Transport
- 2) Port and Harbour Research Institute
- 3) District Port Construction Bureaus

6. REMARKS

SERIAL NUMBER 18

HYDROGRAPHIC SURVEY (水路測量)

1. PERIOD

May 1, 1980 to November 1, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Present employment at national hydrographic office or other related organization
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General aspect of hydrographic survey
 - Geodesy
 - Projection
 - Control survey
 - Coastlining
 - Electronic survey
 - Sounding
 - True north survey
 - Data processing of harbour survey and coastal survey
 - Submarine topography and geology
 - Gravity
 - Geomagnetism
 - Data processing of ocean survey
 - Survey planning
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Hydrographic Department, Maritime Safety Agency

6. REMARKS

SERIAL NUMBER 44

SURVEYING AND MAPPING (MAD AND REPRODUCTION) (測量技術)

1. PERIOD

June 12, 1980 to December 12, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) Knowledge of mathematics, physics and chemistry of senior high school graduate level
- 2) Present of future engagement in surveying and mapping
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General introduction to surveying, mapping and printing in Japan
 - Outline of photogrammetry and cadastral survey
 - Introduction to Higher Geodesy
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Geographical Survey Institute, Ministry of construction

6. REMARKS

SERIAL NUMBER 58

RIVER ENGINEERING (河 川 工 学)

1. PERIOD

July 24, 1980 to November 30, 1980 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) Observation tours

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
- River engineering, river planning, hydraulic structure, dam and
sabo engineering
- 2) River improvement works, mechanics of bank and flood forecast
Observation tours

5. FACILITIES AND INSTITUTIONS

River Bureau, Ministry of Construction

6. REMARKS

SERIAL NUMBER 60

CITY PLANNING (都 市 計 画)

1. PERIOD

July 24, 1980 to September 29, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Urban problems and regional planning in Japan
 - City planning system
 - Planning and development of transportation facilities
 - Planning and development of sewage system
 - Development of new residential cities and housing plan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

City Bureau, Ministry of Construction

6. REMARKS

SERIAL NUMBER 64

BRIDGE ENGINEERING (橋梁工学)

1. PERIOD

August 21, 1980 to November 7, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Structural analysis of bridges
 - Bridge design theory
 - Design and construction of reinforced concrete bridge
 - Design and construction of prestressed concrete bridge
 - Design and construction of composite beams
 - Design and construction of foundation
 - Aerodynamic design
 - Maintenance of bridge
- 2) Observation

5. FACILITIES AND INSTITUTIONS

Road Bureau, Ministry of Construction

6. REMARKS

SERIAL NUMBER 74

SEISMOLOGY AND EARTHQUAKE ENGINEERING (地 震 工 学)

1. PERIOD

September 4, 1980 to August 20, 1981 (11.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty-one (21)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Well versed in elementary mathematics (Differential and integral calculus, etc.)
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Both of course: General seismology, basic programming of computer, etc.
 - Seismology course: Seismological application of computer, elasticity, etc.
 - Earthquake engineering course: Earthquake resistant design of building structure, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) International Institute of Seismology and Earthquake Engineering (IISSE)
- 2) Building Research Institute, Ministry of Construction

6. REMARKS

SERIAL NUMBER 82

CONSTRUCTION ENGINEERING (建設施工)

1. PERIOD

September 4, 1980 to December 23, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University or college graduates, or equivalent
- 2) Occupational experience of more than 5 years
- 3) Good working knowledge of English
- 4) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Construction management
 - Construction cost
 - Soil mechanics
 - Rock engineering
 - Technical inspection
 - Construction engineering
 - Construction machinery
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Faculty of Engineering, Kyoto University
- 3) Osaka International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 103

TECHNOLOGY FOR DISASTER PREVENTION (防災技術セミナー)

1. PERIOD

October 2, 1980 to December 16, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates in science or technology with occupational experience of more than five years in the field of disaster prevention administration
- 2) Under 40 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Seismology and earthquake damage mitigation
 - Earthquake engineering
 - Prevention against tsunami and fire induced by an earthquake
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

National Research Centre for Disaster Prevention

6. REMARKS

SERIAL NUMBER 107

HIGHWAY CONSTRUCTION (SEMINAR) (ハイウェイセミナー)

1. PERIOD

October 9, 1980 to November 27, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Road system planning
 - Maintenance and repairs
 - Pavement earth work
- 2) Observation tours
 - Road Information Centre
 - Kansai district

5. FACILITIES AND INSTITUTIONS

- 1) Road Bureau, Ministry of Construction
- 2) Public Works Research Institute

6. REMARKS

7. PUBLIC UTILITY WORKS

SERIAL NUMBER 27

THERMAL-ELECTRIC POWER ENGINEERING (火力発電)

1. PERIOD

May 8, 1980 to July 26, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields (Electrical and/or mechanical)
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Power system management
 - Operation and maintenance of thermal power station
- 2) Observation tours
 - Various types of power stations
 - Heavy electrical machinery shops

5. FACILITIES AND INSTITUTIONS

- 1) Public Utilities Dept., Agency of National Resources & Energy, Ministry of International Trade and Industry
- 2) Tokyo Electric Power Company, Inc.
- 3) Overseas Electric Industry Survey Institute, Inc.

6. REMARKS

HYDRO-ELECTRIC POWER ENGINEERING (水力発電)

1. PERIOD

May 8, 1980 to July 26, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Planning, designing, construction and maintenance of dams and hydro-power stations
- 2) Observation tours
-Various types of power stations
-Electric Power Development Company, Ltd.

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of International Trade and Industry
- 2) Electric Power Development Co., Ltd.
- 3) Overseas Electric Industry Survey Institute Inc.

6. REMARKS

SERIAL NUMBER 33

WATER WORKS ENGINEERING (上水道施設)

1. PERIOD

May 15, 1980 to August 11, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General problems and administration
 - Water supply planning
 - Design for water works facilities
 - Hydraulics and water hammer
 - Design and construction of pipe
 - Water works management
 - Effective utilization of water and conservation use of water
 - Industrial water supply
 - Purification plant control
 - Leakage prevention
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Health and Welfare
- 2) Japan Water Works Association

6. REMARKS

SERIAL NUMBER 67

ELECTRIC POWER DISTRIBUTION (配電技術)

1. PERIOD

August 28, 1980 to November 15, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Technical college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Transmission, transformation and distribution lines
 - Design, construction and maintenance of transmission lines
 - Distribution facilities and work
 - Indoor and outdoor wiring, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Public Utilities Dept., Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- 2) Overseas Electric Industry Survey Institute Inc.

6. REMARKS

SERIAL NUMBER 77

GEOHERMAL ENERGY (地熱エネルギー)

1. PERIOD

September 4, 1980 to November 27, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Young scientists or technologists who graduated from universities, majoring in geology, geophysics, chemistry, electrical engineering, mechanical engineering, mining, or similar subjects or these having scholastic ability equivalent to the above or higher than that
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Geothermal geology
 - Structural geology
 - Geothermal hydrology
 - Power plant engineering, etc.
- 2) Observation tours
 - Kyushu University
 - Kyushu Electric Power Company, Inc.

5. FACILITIES AND INSTITUTIONS

Kyushu University

6. REMARKS

SERIAL NUMBER 80

WATER POLLUTION CONTROL AND SEWAGE WORKS ENGINEERING

(水質汚濁下水道)

1. PERIOD

September 4, 1980 to December 11, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Senior technical officers
- 4) Good working knowledge of English
- 5) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - ~Planning, design, construction, maintenance of sewage system
 - ~Sewage treatment plant
 - ~Manufactures of sewage treatment plant
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of construction
- 2) Japan Sewage Works Corporation

6. REMARKS

SERIAL NUMBER 102

ELECTRIC POWER MANAGEMENT (電気事業経営)

1. PERIOD

October 2, 1980 to November 29, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 50 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Planning and management of power system
- 2) Observation tours
-Hydro, thermal and nuclear stations
-Heavy machinery manufacturers

5. FACILITIES AND INSTITUTIONS

- 1) Overseas Electric Industry Survey Institute Inc.
- 2) Chubu Electric Power Co., Ltd.

6. REMARKS

8. MINING AND MINERALS

SERIAL NUMBER 34

OFFSHORE PROSPECTING (沿海鉱物資源探査)

1. PERIOD

May 15, 1980 to December 18, 1980 (7.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 2 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Geology
 - Geophysics
 - Applied mathematics, computer use
 - Geochemical method for petroleum and mineral deposits
 - Navigation and position-finding techniques
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Tsukuba International Centre, JICA
- 2) Geological Survey of Japan

6. REMARKS

SERIAL NUMBER 37

MINING ENGINEERING (鉱 山)

1. PERIOD

May 22, 1980 to August 22, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
--Knowledge and techniques of mining industry in Japan
--Mining, mineral dressing, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Mining Industry Association (JMIA)
- 2) Institute for International Mineral Resources Development (IIMRD)

6. REMARKS

SERIAL NUMBER 65

GROUNDWATER RESOURCES DEVELOPMENT (地下水資源開発)

1. PERIOD

August 21, 1980 to December 20, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Groundwater exploration
 - Aquifer selection
 - Measurement of aquifer constants
 - Groundwater utilization
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Geological Survey of Japan, Ministry of International Trade and Industry

6. REMARKS

9. HEAVY INDUSTRY

SERIAL NUMBER 7

METAL FINISHING ENGINEERING (金属表面处理技术)

1. PERIOD

April 3, 1980 to October 31, 1980 (7-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Electroplating of Cu, Ni, Cr and Zn on metal bases
 - Plating on plastics
 - Electro-polishing
 - Electro-forming and mechanizing
 - Plating equipment
 - Industrial pollution prevention
 - Industrial management
 - Aluminum anodizing
 - Effluent control technology and metal finishing equipment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Nagoya Municipal Industrial Research Institute
- 4) Nagoya International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 30

FOUNDRY ENGINEERING (鋳造技術)

1. PERIOD

May 8, 1980 to January 23, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 2 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Foundry sands
 - Mould properties and sand mixtures
 - Moulding processes
 - Foundry raw materials
 - Fuels
 - Melting furnaces and melting
 - Casting design
 - Modernization of foundry shops
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Metal Industries Institute, Mie Prefecture
- 4) Nagoya Municipal Industrial Research Institute

6. REMARKS

SERIAL NUMBER 41

WELDING TECHNOLOGY (溶 接 技 術)

1. PERIOD

June 5, 1980 to January 23, 1981 (8-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to classified welding processes
 - Electrical welding
 - Welding machinery and equipment, and their application
 - Aluminum alloys welding processes
 - Welding theory, design and inspection method
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Tokai Branch, Japan Welding Society
- 2) The Faculty of Engineering, Nagoya University

6. REMARKS

SERIAL NUMBER 118

METAL WORKS AND ENGINEERING (金 属 加 工)

1. PERIOD

October 23, 1980 to August 21, 1981 (10-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent (mechanical engineering)
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 2 years
- 4) Between 27 and 38 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Metallic materials and practical metallurgy
 - Heat treatment
 - Foundry
 - Welding
 - Mechanical engineering
 - Plastic forming of metals
 - Industrial management
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Nagoya Municipal Industrial Research Institute

6. REMARKS

SERIAL NUMBER 130

SHIPBUILDING (船 舶 技 術)

1. PERIOD

January 8, 1981 to December 25, 1981 (12-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Practical training
 - Applied ship dynamics and ship calculation
 - Basic design, hull design and outfitting design
 - Drawing and moulding plan
 - Hull construction, welding and outfitting processes
 - Marine engine and marine electricity
 - Production management
 - Shipyard practices
 - Shipbuilding processes
 - Test and sea-trial
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ship Bureau, Ministry of Transport
- 2) Tokyo International Centre, JICA
- 3) Overseas Shipbuilding Cooperation Centre

6. REMARKS

SERIAL NUMBER 131

ELECTRICAL STEEL MAKING (電気製鋼技術)

1. PERIOD

January 15, 1981 to May 10, 1981 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 40 years of age (Under 40 years of age)
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction of current situation of electrical steel making in Japan
 - Management of electrical furnace, dissolution method, material control
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Daido Special Steel Corporation

6. REMARKS

10. CHEMICAL INDUSTRY

SERIAL NUMBER 6

CERAMIC GLAZE AND DECORATION (釉薬着彩技術)

1. PERIOD

April 1, 1980 to October 3, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Between 26 and 45 years old of ages
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Ceramic ware and glaze in general
 - Ceramic calculation
 - Study on glaze properties
 - Low temperature glaze
 - High temperature glaze
 - Decoration techniques
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Centre, JICA
- 2) Tajimi-city Ceramic Design Research Centre
- 3) Government Industrial Research Institute, Nagoya

6. REMARKS

SERIAL NUMBER 73

TILE MANUFACTURING TECHNOLOGY (タイル製造技術)

1. PERIOD

August 28, 1980 to March 29, 1981 (7-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Applicability test of raw materials
 - Processing machines operation
 - Forming machines operation
 - Glaze preparation
 - Firing
 - Packing and inspection
 - Quality control methods
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Ina Seito Co., Ltd.
- 3) Nagoya International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 94

CERAMIC ENGINEERING (窯 業 技 術)

1. PERIOD

September 25, 1980 to August 21, 1981 (11-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Practical experience at educational and research institute
- 3) Between 25 and 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Introduction to ceramics
 - Ceramics in Japan
 - Body preparation
 - Glaze preparation
 - Raw materials
 - Analysis of raw materials
 - Refractories
 - Kiln and firing
 - Quality controlPractice
 - Body preparation and Glaze preparation
 - Measurement and experiment on the properties
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Centre, JICA
- 2) Government Industrial Research Institute, Nagoya
- 3) Seto Branch, Government Industrial Research Institute, Nagoya

6. REMARKS

SERIAL NUMBER 93

REFRACTORY MANUFACTURING TECHNOLOGY (耐火物製造技術)

1. PERIOD

September 25, 1980 to March 29, 1981 (6.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 45 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Raw materials
 - Testing of raw materials
 - Testing of one component bricks
 - Trial manufacturing of refractory bricks
 - Trial manufacturing of refractory bricks
 - Testing of refractory bricks
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Centre, JICA
- 2) Technical Research Laboratory of Mino Yogyo Co., Ltd.

6. REMARKS

SERIAL NUMBER 124

PLASTICS

(プラスチック)

1. PERIOD

November 20, 1980 to March 31, 1981 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Compression molding, transfer molding and injection molding of thermosets
 - Extrusion and blow molding
 - Injection molding of thermoplastics, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Osaka Municipal Technical Research Institute
- 2) Osaka International Training Centre, JICA

6. REMARKS

11. LIGHT INDUSTRY

SERIAL NUMBER 5

**COIN AND DECORATION MANUFACTURE,
METAL ANALYSIS AND PRECIOUS METAL REFINING**

1. PERIOD

April 3, 1980 to September 30, 1980 (6-month)

(貨幣及び勲章製造)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Technical high school graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Coin manufacturing
 - Decoration and engraving
 - Metal analysis and precious metal refining
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Mint Bureau, Ministry of Finance

6. REMARKS

SERIAL NUMBER 45

METROLOGY AND MEASUREMENT STANDARDS (計量標準)

1. PERIOD

June 12, 1980 to December 12, 1980 (6-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Essentials of metrology and measurement standards
 - International system of units
 - Maintenance of measurement standards
 - Specialized practical training
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Research Laboratory of Metrology (NRLM)
- 2) Electrotechnical Laboratory (ETL)

6. REMARKS

SERIAL NUMBER 72

WEAVING ENGINEERING (織 布 技 術)

1. PERIOD

August 28, 1980 to March 29, 1981 (7-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Technical problems of textile industries in Japan
 - Chemical and synthetic yarn
 - Practices on weaving machinery
 - Chemical and physical testing of fabric
 - Weaving mill management, etc.
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

- 1) Mikawa Textile Technical Centre
- 2) Owari Textile Technical Centre
- 3) Nagoya International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 63

INDUSTRIAL STANDARDIZATION AND QUALITY CONTROL

(工業標準化)

1. PERIOD

August 21, 1980 to November 15, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions and seminars
 - Fundamentals in industrial standardization
 - Administration of national standardization
 - Standardization at international level
 - Legal metrology & measurement standards
 - Export inspection system
 - Reference of standards
 - JIS Marking system
 - Presentation of product standards
 - Quality control & statistical methods
 - Reliability and quality assurance
 - Company standardization
 - Value engineering and standardization
 - Standardization in physical distribution
 - Permeation and implementation of standards

■

5. FACILITIES AND INSTITUTIONS

Agency of Industrial Science and Technology, Japanese Standards Association

6. REMARKS

SERIAL NUMBER 75

INDUSTRIAL DESIGN (インドストリアルデザイン)

1. PERIOD

September 4, 1980 to November 8, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) Qualified in their respective fields
- 2) Occupational experience of more than 5 years
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tendency of industrial design in Japan
 - Motive and process of design
 - Role of industrial design
 - Design methods, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Industrial Design Promotion Organization
- 2) Japan Export General Merchandise Centre

6. REMARKS

1. PERIOD

January 8, 1981 to March 21, 1981 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Occupational experience of more than 3 years
- 3) Age between 25 and 35 years
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fundamental properties of glass
 - Sheet glass
 - Container glass
 - Machinery and materials
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Osaka International Training Centre, JICA
- 2) Government Industrial Research Institute, Osaka

6. REMARKS

SERIAL NUMBER 128

TEXTILE MACHINERY INDUSTRIES

(繊維機械工業セミナー)

1. PERIOD

January 8, 1981 to March 29, 1981 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) High-ranking officials in charge of textile machineries industries in governmental organizations or managers of the government owned textile mill
- 2) A sufficient command of spoken and written English
- 3) Over thirty (30) years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - General introduction on textile machinery industry in Japan
 - Weaving machinery
 - Spining machinery
 - Dyeing machinery
 - Preparatory machinery
- 2) Observation
 - Weaving machinery maker
 - Spining machinery maker
 - Dyeing machinery maker
 - Preparatory machinery maker
- 3) Field trip

5. FACILITIES AND INSTITUTIONS

- 1) Japan Textile Machinery Manufactures' Association Tokyo, Japan
- 2) Tokai Textile Machinery Association, Nagoya, Japan
- 3) Nagoya International Training Centre

6. REMARKS

12. TRANSPORTATION AND TRAFFIC

SERIAL NUMBER 25

TOURISM A (SEMINAR) (観光セミナー〔A〕)

1. PERIOD

May 8, 1980 to July 8, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tourism administration
 - Tourism promotion activities
 - Tourism development method
 - Tourist industry business
 - Tourist service
 - Presentation and discussion of country report
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Tourism Department, Ministry of Transport
- 2) Japan National Tourist Organization

6. REMARKS

SERIAL NUMBER 36

AIDS TO NAVIGATION (航 路 標 識)

1. PERIOD

May 22, 1980 to July 31, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) High school graduates or equivalent
- 2) Administrators in the field of navigation aids service
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Theory and treatment of navigation aids (lighted beacon, buoys, radio beacon, etc.)
-Treatment of wave activated generators, air wet batteries, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Maritime Safety Agency

6. REMARKS

SERIAL NUMBER 42

**MAINTENANCE AND IMPROVEMENT
ENGINEERING OF PERMANENT WAYS (鉄道線路保守改良)**

1. PERIOD

June 12, 1980 to September 11, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of railway in Japan
 - Construction of railway in Japan
 - planning for construction work, stations
 - designing of track, permanent way structure etc.
 - Maintenance of track and structure
 - modern method and techniques of track maintenance
 - for higher speed and low cost, reinforcement of
 - structure, inspection of track, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese National Railways (JNR)
- 3) Japan Railway Construction Corporation
- 4) Osaka International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 55

RAILWAY ROLLING STOCK ENGINEERING (鉄 道 車 輦)

1. PERIOD

July 24, 1980 to October 23, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Railway and rolling stock in Japan
 - Planning and administration of rolling stock
 - Design and specification of rolling stock
 - Rolling stock manufacturing engineering
 - Procurement and inspection of rolling stock
 - Management of materials for rolling stock
 - Other related matters
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japanese National Railways (JNR)
- 2) Japan Rolling Stock Exporter's Association
- 3) Ministry of Transport
- 4) Japan Association of Rolling Stock Industries

6. REMARKS

SERIAL NUMBER 76

SHIPPING BUSINESS (海運経営実務)

1. PERIOD

September 4, 1980 to October 31, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 40 years of age
- 5) Good working knowledges of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - International shipping and Japanese shipping
 - Future and innovation of maritime transportation
 - Containerization, other unitarizations and related conventions
 - Present situation of Japanese shipbuilding industry
 - Shipping conference and management of liner operation
 - Education, training and management for seamen
 - Bill of lading, charter party, marine insurance, etc.
 - In-service training at shipping company
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Shipping Bureau, Ministry of Transport

6. REMARKS

SERIAL NUMBER 86

PORT AND HARBOUR ENGINEERING (SENIOR COURSE)

(港 灣 上 級)

1. PERIOD

September 14, 1980 to October 14, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Persons who have ever participated in Seminar in Ports & Harbours or Port & Harbour Engineering Course in Japan
- 2) Qualified in their respective field
- 3) Civil engineers presently engaged in harbour engineering works
- 4) Above 35 and under 50 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning of ports and harbours container terminal
 - Caisson design
 - PHRI (Port and Harbour Research Inst.)
 - "Wave" or "Soil".
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

SERIAL NUMBER 88

SUBWAY ENGINEERING (地下铁道工学)

1. PERIOD

September 18, 1980 to November 14, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Technical college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Construction planning of subway
 - Design of subway structure
 - Construction method of subway
 - Management of construction work
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Teito Rapid Transit Authority
- 3) Traffic Bureau, Osaka City

6. REMARKS

SERIAL NUMBER 96

AERODROME (SEMINAR) (空港セミナー)

1. PERIOD

September 25, 1980 to November 3, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent.
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Economic cooperation and technical assistance of Japan by CAB
 - Airport planning
 - Airport administration
 - Airport development
 - Airport design and construction
 - Present status of air transportation in his country
 - Any other subjects related to civil aviation of his country
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Civil Aviation Bureau, Ministry of Transport
- 2) Japan Airport Consultants Co., Inc.

6. REMARKS

SERIAL NUMBER 105

METEOROLOGY (気 象 学)

1. PERIOD

October 2, 1980 to January 29, 1981 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Mechanism of rainfall
 - Recent typhoon theory
 - Introduction to numerical weather prediction
 - Forecasting of rainfall
 - Global telecommunication system and ADESS facilities
 - Radar observation and utilization of radar data
 - Tidal theory and observation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Meteorological Agency
- 2) Meteorological Research Institute of JMA
- 3) Meteorological College of JMA

6. REMARKS

SERIAL NUMBER 112

RAILWAY ELECTRIFICATION AND HIGH-SPEED OPERATION

(鉄道電化高速運転)

1. PERIOD

October 16, 1980 to December 19, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning of railway electrification
 - Economic effects by railway electrification
 - Facilities and equipments for railway electrification
 - Planning of train operation
 - Measures for train's speed-up and permanent way
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese National Railway (JNR)
- 3) Railway Electrification Association

6. REMARKS

SERIAL NUMBER 113

ADMINISTRATION FOR SEAMEN'S EDUCATION (船員教育行政)

1. PERIOD

October 16, 1980 to November 26, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Seamen's education and training
 - Qualification for ships officer
 - Labor standards of seamen
 - Seamen's welfare
 - Employment exchange system for seamen
 - Mariners' insurance system
 - Tendency of ships technical innovation
 - Present situation and the future of shipping
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Seafarers Bureau, Ministry of Transport

6. REMARKS

SERIAL NUMBER 114

TOURISM B (SEMINAR) (観光セミナー〔B〕)

1. PERIOD

October 16, 1980 to December 16, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tourism administration
 - Tourism promotion activities
 - International congress and convention business
 - Tourism development method
 - Tourism industry business
 - Tourism service
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Tourism Department, Ministry of Transport
- 2) Japan National Tourism Organization

6. REMARKS

SERIAL NUMBER 115

PORTS AND HARBOURS (SEMINAR) (港湾セミナー)

1. PERIOD

October 23, 1980 to December 21, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
(Senior administrative work)
- 3) Occupational experience of more than 8 years
- 4) Between 35 and 50 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Administration on ports and harbours
 - Technical aspects of port development
 - Port planning in general
 - Port management and operation
 - Cargo handling operation
 - ** Discussion on the present situation of ports and harbours in the participating countries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

SERIAL NUMBER 121

PHYSICAL OCEANOGRAPHIC SURVEY (海洋物理調査)

1. PERIOD

November 6, 1980 to March 17, 1981 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Dynamics of ocean current
 - Tide and tidal current
 - Field training of oceanographic observation
 - Data processing of oceanographic observation
 - Field training of tide and tidal current observation
 - Data processing of tidal current observation
 - Self-study on specific items
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Hydrographic Department, Maritime Safety Agency

6. REMARKS

SERIAL NUMBER 134

RAILWAY SIGNAL ENGINEERING (鉄 道 信 号)

1. PERIOD

February 5, 1981 to June 11, 1981 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Occupational experience of more than 7 years
- 3) Qualified in their respective fields
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
~Types and functions of railway signal used in Japan
~Control and administration of signal facilities
~Communication for train operation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese National Railways (JNR)
- 3) Japan Association of Signal Industries (JASI)

6. REMARKS

13. POSTAL SERVICE, COMMUNICATION AND BROADCASTING

SERIAL NUMBER 3

TELEPHONE SWITCHING ENGINEERING (I) (電話交換技術〔I〕)

1. PERIOD

April 3, 1980 to July 13, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Working for telecommunication administrations or common carrier organizations
- 3) Sufficient practical experience on their own switching systems
- 4) Under 40 years old
- 5) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
~Basic and theoretical technology for switching system
~Electronic switching system (ESS)
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 13

INTERNATIONAL TELEGRAPH AND TELEPHONE
SERVICES (TRAFFIC AND COMMERCIAL) (国際電信電話業務)

1. PERIOD

May 1, 1980 to July 14, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Presently engaged in traffic and commercial work of international telegraph or telephone services
- 3) Occupational experience of more than 5 years
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction (history of international telecommunications in Japan, international telecommunication system in Japan, recent trend of international telecommunication technique)
 - Service and operation (telegraph, telex telephone, other service)
 - Traffic demand forecast
 - Circuit planning
 - Tariff system
 - Accounting procedures
 - ITU and INTELSAT
 - Telecommunication statistics
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 15

SATELLITE COMMUNICATION ENGINEERING (REGULAR)

(衛星通信技術〔普通〕)

1. PERIOD

May 1, 1979 to August 1, 1979 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of preferably less than one year
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of satellite communications
 - Review of microwave Engineering
 - Transmission system
 - Communication satellite (IS-IV A and IS-V)
 - Earth station facilities
 - System Design
 - Operation and Maintenance
- 2) Observation tours
 - Earth station system configuration
 - Earth station facilities

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 16

CARRIER TELEPHONY ENGINEERING (搬送電話)

1. PERIOD

May 1, 1980 to August 10, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Working for telecommunication administrations or common carrier organizations
- 3) Under 40 years of age
- 4) A sufficient command of spoken or written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Transmission system basic and theoretical knowledge
 - Frequency division multiplex system
 - Time division multiplex system
 - Application technique
 - Practical studies based on PCM-24B system and CP-12M coaxial cable system
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 23

TELEVISION BROADCASTING MANAGEMENT (テレビ放送管理)

1. PERIOD

May 8, 1980 to June 19, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Staffs higher than division-chiefs engaged in administrative and planning departments of television broadcasting organizations
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Outline of Broadcasting Administration
 - Present Broadcasting Situation
 - Management of NHK
 - Subscription Fee System
 - Public Opinion Research
 - News Programme
 - Educational Television Programme
 - Personnel Training System
 - Broadcasting Engineering
 - Present Situation of Commercial Broadcasting
 - Management of Commercial Broadcasting Stations
 - Commercial Programme
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Posts and Telecommunications

6. REMARKS

In view of the fact that a wide range of knowledge of running television broadcasting is indispensable to managing staffs, the study programme involves major subjects on television broadcasting management such as its system, engineering, finance and programme planning.

Regardless of one's interests or specialities, participants are expected to follow out the schedule throughout the course in order to learn solutions to the problems of television broadcasting management.

It is desirable that those who intend to study production method of television programme or television engineering should apply for "Educational Television Programme Course" or the "Television Engineering Course" which are also organized by the Government of Japan.

All participants are requested to submit a report written in English within 1,000 words on the brief summary of present conditions and problems on TV broadcasting in their respective countries including the chart of the participant's organization to the Ministry of Posts and Telecommunications upon arrival in Japan (Preferably Type-written).

SERIAL NUMBER 40

TELEPHONE OUTSIDE PLANT ENGINEERING (電話線路技術)

1. PERIOD

June 5, 1980 to September 14, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Demand forecast, fundamental telephone network plan, transmission system and engineering economy
 - Outside plant construction and maintenance
 - Outside plant designing
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 48

RADIO BROADCASTING ENGINEERING
(RADIO TRANSMITTING) (ラジオ放送技術)

1. PERIOD

July 3, 1980 to September 15, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) College graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Good working knowledge of English
- 5) Between 23 and 45 years of age

4. DESCRIPTION OF TRAINING

- 1) Lecture and practical training
 - Transmitting system in general
 - Basic theory
 - Tube circuit
 - Radio frequency circuit
 - Medium wave transmitter
 - FM and FM stereo theory
 - FM transmitter
 - Antenna theory
 - Radio propagation
 - Measurement
 - Practice training and observation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) NHK Central Training Institute
- 2) Other NHK facilities

6. REMARKS

COLOR TELEVISION ENGINEERING (テレビ放送技術)

1. PERIOD

July 3, 1980 to October 6, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Engineers serving in a broadcasting organization with a few years of practical experience in TV engineering
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Electron tubes, color theory, telecine, VTR transmitter, studio work, outside broadcasting, new broadcasting techniques, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Posts and Telecommunications
- 2) NHK Central Training Institute
- 3) Other NHK facilities

6. REMARKS

SERIAL NUMBER 50

MICROWAVE COMMUNICATION ENGINEERING (I)

(マイクロウェーブ通信技術〔 I 〕)

1. PERIOD

July 3, 1980 to October 12, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University or college graduates
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - ~Basic microwave communication engineering; microwave circuits, microwave propagation and FM transmission theory.
 - ~Microwave communication equipment; repeater, antenna and space diversity devices.
 - ~Microwave communication systems; line-of-sight FM and PCM systems and trans-horizon systems, and
 - ~Practical experiments and system designing work.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 54

EDUCATIONAL TELEVISION PROGRAMME (教育テレビ番組)

1. PERIOD

July 17, 1980 to October 6, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields (as a programme director)
- 3) Occupational experience of 5 to 10 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures, discussions and practical training
 - General idea of educational television
 - The fundamental production technique for educational programmes
 - The applied production technique for educational programmes
 - On the spot training at NHK programme production sight
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Posts and Telecommunications
- 2) NHK Central Training Institute
- 3) Other NHK facilities

6. REMARKS

SERIAL NUMBER 59

RADIO FREQUENCY MONITORING (電波監視)

1. PERIOD

August 7, 1980 to October 2, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) College graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
- 2)
 - Purpose of radio frequency monitoring in Japan and international cooperation
 - Substance of radio frequency monitoring service in Japan
 - Arrangement and use of results of radio frequency monitoring
 - Outline of radio frequency monitoring facilities in Japan
 - Licensing and supervising of radio stations
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 62

TELEPHONE SWITCHING ENGINEERING (II) (電話交換技術〔 II 〕)

1. PERIOD

August 14, 1980 to November 23, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic and theoretical engineering for switching system
 - Crossbar switching system
 - Electronic switching system
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 66

SATELLITE COMMUNICATION ENGINEERING (ADVANCED)

(衛星通信技術〔上級〕)

1. PERIOD

August 28, 1980 to November 10, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates specializing in telecommunications or electrical engineering or equivalent
- 2) Occupational experience of not less than three years in INTELSAT Satellite communication service
- 3) Currently engaged or expected to engage in satellite communication service
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - INTELSAT
 - System design
 - Communication Satellite (IS-IV and IS-V)
 - Transmission System
 - System management
 - Technology for future satellite communication system
 - Outline of maritime satellite communication system
 - Field study at earth station
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 68

INTERNATIONAL TELEX COMMUNICATION ENGINEERING

(国際テレックス通信技術)

1. PERIOD

August 28, 1980 to November 17, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent, majoring in telecommunications and/or electrical engineering
- 2) Currently engaged in, or have basic knowledge of international telex communication engineering work
- 3) Under 45 years of age
- 4) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of radio regulatory administration in Japan
 - Frequency management
 - Licensing and supervising of radio stations
 - Radio frequency monitoring system in Japan
 - Radio frequency monitoring activities
 - Radio frequency monitoring facilities
 - Practical exercises of monitoring
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 81

MICROWAVE COMMUNICATION ENGINEERING (II)

(マイクロウェーブ通信技術〔Ⅱ〕)

1. PERIOD

September 4, 1980 to December 21, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic microwave communication engineering; microwave circuits, microwave propagation and FM transmission theory,
 - Microwave communication equipment; repeater, antenna and space diversity devices,
 - Microwave communication systems;
line-of-sight FM and PCM systems and trans-horizon systems, and
 - Practical experiments and system designing work.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 109

TELECOMMUNICATION MANAGEMENT (SEMINAR) (電気通信幹部セミナー)

1. PERIOD

October 10, 1980 to October 23, 1980 (0.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Management of telecommunications
 - Introduction to telecommunication management in Japan
 - Present situation and future telecommunication management
 - Problems of telecommunication management particularly in participating countries
 - Various related institutions and manufacturing plants
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 117

TELEPHONE NETWORK PLANNING AND DESIGNING (電話網計画設計)

1. PERIOD

October 23, 1980 to February 8, 1981 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fundamental telephone network design
 - Outline of various systems
 - Toll telephone network planning
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 122

BROADCASTING ADMINISTRATION (SEMINAR) (放送幹部セミナー)

1. PERIOD

November 10, 1979 to November 23, 1979 (0.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Directors general or high ranking officials responsible for management or administration of broadcasting in government or public broadcasting organizations
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Problems in medium frequency radio broadcasting
-Technical criteria for frequency allocation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 127

INTERNATIONAL TELEPHONE SWITCHING ENGINEERING

(国際電話交換技術)

1. PERIOD

January 8, 1981 to March 21, 1981 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Under 45 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - System design
 - Traffic engineering
 - Development of international telephone transit exchange
 - Subscriber dialling system
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 135

TELECOMMUNICATION DEVELOPMENT (SEMINAR) (電気通信開発セミナー)

1. PERIOD

February 20, 1981 to March 5, 1981 (0.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Directors general or high ranking officials responsible for management or administration of telecommunications in governmental or operational organizations
- 3) Good working knowledge of English a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - The up-to-date situation and topics in the field of telecommunication in Japan
 - Present situation and prospects of telecommunication development, domestic and abroad
 - Problems of telecommunication development, home and abroad, particularly in participating countries
- 2) Observation tours
 - To various related institutions and manufacturing plants

5. FACILITIES AND INSTITUTIONS

Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 136

POSTAL EXECUTIVES (SEMINAR) (郵政幹部セミナー)

1. PERIOD

March 2, 1981 to March 15, 1981 (0.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Directors or high-ranking officials in charge of postal administration in governmental organizations
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions on problems concerning the management of postal services
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Postal Bureau, Ministry of Posts and Telecommunications

6. REMARKS

14. MEDICAL TREATMENT AND WELFARE

SERIAL NUMBER 9

MICROBIAL DISEASES STUDY (微生物病研究)

1. PERIOD

April 3, 1980 to March 23, 1981 (12-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Researchers or teachers in microbiology or public health with a prospect of promotion to leading staffs after completion of this course
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussion
 - Microbiology
 - Virology
 - Parasitology
 - Other related subjects
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Research Institute for Microbial Diseases, Osaka University

6. REMARKS

SERIAL NUMBER 10

**FAMILY PLANNING ADMINISTRATION FOR
SENIOR OFFICERS (SEMINAR)** (家族計画指導者セミナー)

1. PERIOD

April 9, 1980 to April 27, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Qualified in their respective field
- 2) Senior officers or executive members who are responsible for family planning programmes of the government or voluntary organizations at a central level
- 3) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Country Reports
 - a) Oral presentation of constraints on family planning administration
 - b) Paper presentation of general situation of national family planning programmes described with geographic, demographic and administrative and organizational informations
- 2) Topic discussion
 - Planning and budget
 - Recruitment and training of personnel
 - Information, education and communication
 - Community-based family planning programmes
 - Logistics
 - Evaluation and research
 - International cooperation
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Japan Organization for International Cooperation in Family Planning, Inc. (JOICFP)

6. REMARKS

SERIAL NUMBER 21

TUBERCULOSIS CONTROL (ADVANCED) (結核対策上級)

1. PERIOD

May 5, 1980 to June 9, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Medical officers who are or are planned to be, in charge of tuberculosis control programme of a certain administrative level
- 2) a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures, seminars, group discussion and workshops:
 - Recent advances in TB control
 - Progress and problems in the participants' TB programmes
 - Simulation of TB epidemiology
 - Evaluation of TB programme
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) The Research Institute of Tuberculosis
Japan Anti-tuberculosis Association

6. REMARKS

SERIAL NUMBER 35

SOLID WASTE MANAGEMENT AND NIGHT SOIL TREATMENT (廃棄物処理)

1. PERIOD

May 21, 1980 to July 14, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Three years or more experience in their respective fields
- 3) Technical officials in charge of solid waste management (domestic and industrial solid waste management including night soil treatment) in central or provincial government or in local bodies
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction
 - Planning
 - Refuse collection and transportation
 - Solid waste disposal
 - Night soil treatment
 - Country report
 - Introduction of solid waste analysis
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Planning division, Water Supply and Environment Department, Environmental Health Bureau.
- 2) Department of Sanitary Engineering, The Institute of Public Health
- 3) Japan Environmental Sanitation Centre

6. REMARKS

SERIAL NUMBER 39

**INFORMATION, EDUCATION AND COMMUNICATION
IN FAMILY PLANNING (SEMINAR)**

(家族計画広報教育セミナー)

1. PERIOD

June 4, 1980 to June 25, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Between 25 and 50 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - IE & C and rural community participation into family planning programme
 - IE & C and rural health development programme
 - Decentralization of IE & C and family planning and medical services
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japanese Organization for International Cooperation in Family Planning, Inc. (JOICFP)

6. REMARKS

SERIAL NUMBER 43

TUBERCULOSIS CONTROL (結 核 対 策)

1. PERIOD

June 12, 1980 to October 20, 1979 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) Physicians who are engaged in national tuberculosis control programme, preferably having or to have a leading role in the programme, excluding those who are engaged in pure clinical work
- 2) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Statistics
 - Epidemiology
 - General concept of tuberculosis
 - Preventive measures in the tuberculosis control
 - Diagnostic measures in the tuberculosis control
 - Curative measures in the tuberculosis control
 - Tuberculosis control programme
 - WHO and its role in the tuberculosis control and research
 - Role of voluntary organizations and activities in the tuberculosis control programme
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association

6. REMARKS

SERIAL NUMBER 61

**MEDICAL AND HEALTH ASPECTS
IN FAMILY PLANNING (SEMINAR)** (家族計画医学保健セミナー)

1. PERIOD

August 13, 1980 to September 3, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Medical, paramedical or related professionals in charge of health and biological aspects in family planning of governments or voluntary organizations at central or provincial level
- 2) A sufficient command of spoken and written English
- 3) Between 25 and 50 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Family planning in Japan
 - Maternal and child health and family planning in Japan
 - Main theme:
 - Family planning and hospital
 - Family planning and health centre
 - Family planning and maternal and child health centre
 - Medical aspects
 - condom and other traditional methods
 - oral pill
 - IUDs, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japanese Organization for International Cooperation in Family Planning, Inc. (JOICFP)

6. REMARKS

SERIAL NUMBER 85

MEDICAL SCIENCE AND TECHNOLOGY (医 科 学 技 術)

1 PERIOD

September 11, 1980 to June 16, 1981 (9.5 month)

2 NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3 QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Present engagement in the field of medicine or public health
- 3) Under 40 years of age
- 4) Good working knowledge of English
- 5) Be healthy enough to accomplish the 11 months' training

4 DESCRIPTION OF TRAINING

- 1) Lectures, seminars and laboratory works
 - General epidemiology
 - Specific epidemiology
 - General virology
 - Tropical virology and infectious diseases
 - Pathology
 - Biostatistics
 - Acclimatization
 - Selected topics of interest
- 2) Observation tours

5 FACILITIES AND INSTITUTIONS

Kobe University School of Medicine, Kobe University

6 REMARKS

SERIAL NUMBER 111

COMMUNITY-BASED FAMILY PLANNING PROGRAMME (SEMINAR)

(家族計画組織活動セミナー)

1. PERIOD

October 16, 1980 to November 5, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Responsible officers for the logistics in family planning programmes of respective governments or voluntary organizations at a central level
- 2) With sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Presentation and discussions
 - Family planning in Japan
 - Family planning programmes in relation to the logistics of each participating country
 - Main theme:
 - How to supply contraceptive effectively to the population
 - Distribution channel of contraceptives
 - Equipment and personnel
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japanese Organization for International Cooperation in Family Planning, Inc.
(JOICFP)

6. REMARKS

SERIAL NUMBER 116

**EARLY GASTRIC CANCER DETECTION
AND RELATED GASTROINTESTINAL TRACT DISEASES**

(早期胃ガン診断)

1. PERIOD

October 25, 1980 to December 22, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Graduates of a medical college or the medical department of a university
- 2) Practically experienced for more than 7 years, majoring in the diagnosis cancer, gastritis, ulcer or polyp of stomach and its adjacent region in the field of X-ray, endoscopy, pathology or surgery
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
-Various subjects involved in this field
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Medical Association for Early Gastric Cancer Detection

6. REMARKS

SERIAL NUMBER 119

LABORATORY WORKS FOR TUBERCULOSIS CONTROL

(結核対策細菌技術指導者)

1. PERIOD

October 23, 1980 to February 23, 1981 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Either one of the following three items
 - a) Qualified technicians experienced over two years of laboratory works in bacteriology
 - b) Doctors with over one year of experience in laboratory works in bacteriology
 - c) Senior technicians with over five years of experience in laboratory works in tuberculosis bacteriology
- 2) Engaged in the training of health personnel in laboratory works for tuberculosis control
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tuberculosis control programmes
 - Role of laboratory work in tuberculosis control programmes
 - Laboratory techniques and methods for tuberculosis control
 - Accuracy control of laboratory examinations
 - Laboratory data control
 - Management of laboratory works, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association

6. REMARKS

SERIAL NUMBER 120

CLINICAL ONCOLOGY (ガ ン 対 策)

1. PERIOD

October 23, 1980 to March 5, 1981 (4.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Licenced physicians with occupational experience of more than 2 years in diagnosis and treatment of cancer
- 2) Under 35 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of cancer control in Japan
 - Hospital cancer registry
 - Epidemiology
 - Anatomical and clinical pathology
 - X-ray diagnosis of cancer
 - Endoscopic diagnosis
 - Radiotherapy
 - Chemotherapy
 - Surgical operation and anesthesia
 - Radioisotope
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

National Cancer Centre

6. REMARKS

SERIAL NUMBER 123

NATIONAL HEALTH ADMINISTRATION (衛 生 行 政)

1. PERIOD

November 20, 1980 to December 19, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Medically qualified administrators of the national government taking charge of health administration
- 3) In a position to participate in planning and deciding national health administration policy

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Maternal and child health
 - Health manpower development
 - Communicable disease control
 - Health administration in Japan
 - Mental health
 - School health
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre
- 2) Ministry of Health and Welfare
- 3) International Medical Foundation of Japan

6. REMARKS

SERIAL NUMBER 125

MEDICAL RADIOGRAPHY (医療放射線技術)

1. PERIOD

November 20, 1980 to June 30, 1981 (7.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Senior high school graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 2 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - X-ray physics and X-ray engineering
 - Photographic chemistry
 - Radiation measurement
 - Radiation protection
 - Computer
 - Radiography, its theory and apparatus
 - Radiographic techniques, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) College of Biomedical Technology, Osaka University
- 2) Hospital attached to the Medical Faculty of Osaka University

6. REMARKS

15. MANAGEMENT TECHNOLOGY

SERIAL NUMBER 4

SMALLER ENTERPRISE DEVELOPMENT (SEMINAR)

(中小工業開発セミナー)

1. PERIOD

April 3, 1980 to August 1, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Between 27 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Economic development and smaller enterprise
 - Smaller enterprise development measures in Japan
 - Position of smaller enterprises in the developing countries and the government measures taken for their development
 - Entrepreneurship development & characteristics of Japanese corporate management
 - Management consultation & business diagnosis for smaller industries
 - International & domestic trade of smaller enterprises and their marketing
 - Transfer of technology
 - Subcontracting system
 - Local traditional industries (localized industries)
 - Smaller enterprises and economic development in developing countries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nagoya International Training Centre, JICA
Chu-San-Ren (Central Japan Industries Association)

6. REMARKS

SERIAL NUMBER 56

BUSINESS FEASIBILITY STUDY AND MANAGEMENT PRACTICE (工業開発計画実務)

1. PERIOD

July 24, 1980 to March 29, 1981 (8.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective field
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and case practices
 - Organization and system, finance and accounting, production, marketing, and business diagnosis
 - Case study
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Centre, JICA
- 2) Central Japan Industrial Association (CJIA)

6. REMARKS

SERIAL NUMBER 129

MEASURES FOR SMALLER INDUSTRY (中小企業対策)

1. PERIOD

January 8, 1981 to March 31, 1981 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General perspectives of Japan's smaller enterprises
 - Its development and management methods in connection with governmental policies, taxation systems, financing and banking provisions, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Osaka Prefectural Government
- 2) The Osaka Prefectural Institute for Industrial Management
- 3) Osaka International Training Centre, JICA

6. REMARKS

16. ECONOMY, FINANCE AND MONEY

SERIAL NUMBER 22

TRADE PROMOTION A (SEMINAR) (貿易振興セミナー (A))

1. PERIOD

May 7, 1980 to July 6, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Trade promotion
 - Japanese economy and trade
 - International economy
 - Trade business practice

5. FACILITIES AND INSTITUTIONS

- 1) World Trade Centre of Japan
- 2) Tokyo International Centre, JICA

6. REMARKS

SERIAL NUMBER 70

GENERAL TAX PROGRAMME (SEMINAR) (一般租税セミナー)

1. PERIOD

August 27, 1980 to December 11, 1980 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (30)

3. QUALIFICATIONS

- 1) University graduates
- 2) Qualified in their respective fields and have excellent performance record
- 3) Occupational experience of more than 5 years (preferably in indirect taxation)
- 4) Under 35 years of age in principle
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Discussions
 - Tax policy analysis
 - Tax administration
 - Special lectures on tax related matters
- 2) Theses and Round Table Discussions

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Finance
- 2) National Tax Administration
- 3) Hachioji International Training Centre, JICA

6. REMARKS

SERIAL NUMBER 71

FOREIGN TRADE PRACTICE FOR LEADERS (貿易実践指導者)

1. PERIOD

August 28, 1980 to December 16, 1980 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of not less than 3 years
- 2) Under 35 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Theory, policy and structure of trade
 - Management of trade
 - Business practice of trade transaction
 - Function and system of customs
 - Export insurance and inspection of export and import goods
 - Foreign exchange and foreign trade finance
 - Marine insurance
 - Transportation
 - Dispute and settlement
 - Communication

5. FACILITIES AND INSTITUTIONS

- 1) The Kobe Chamber of Commerce and Industries
- 2) Kobe University

6. REMARKS

SERIAL NUMBER 90

TRADE PROMOTION B (SEMINAR) (貿易振興セミナー (B))

1. PERIOD

September 24, 1980 to November 23, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective field
- 3) Under 45 years of age
- 4) Occupational experience of more than 5 years
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Trade promotion
 - Japanese economy and trade
 - International economy
 - Trade business practice
 - Current topics
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

World Trade Centre of Japan (WTC)

6. REMARKS

SERIAL NUMBER 97

SENIOR TAX PROGRAMME (SEMINAR) (上級租税セミナー)

1. PERIOD

October 1, 1980 to October 18, 1980 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) presently engaged in tax planning or administration
- 2) ranked senior class officials
- 3) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Comparative study on tax system and administration through round-table discussions
- 2) Field trips to tax offices and various industry plants

5. FACILITIES AND INSTITUTIONS

National Tax Administration

6. REMARKS

SERIAL NUMBER 100

CUSTOMS TECHNIQUES

(税関行政)

1. PERIOD

September 25, 1980 to November 15, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Discussion
-The organizations and functions of customs administration
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Customs and Tariff Bureau, Ministry of Finance
- 2) Tokyo, Yokohama, Kobe, Osaka and Nagoya Custom House

6. REMARKS

17. LABOUR

SERIAL NUMBER 8

HIGH SKILLED MACHINIST (上級技能者訓練)

1. PERIOD

April 3, 1980 to March 23, 1981 (12-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Highschool Technical or trade school graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Mechanical engineering
 - Mechanical processing
 - Production engineering
 - Measurement
 - Drawing
 - Supervisory training
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Higashi-Yodogawa Advanced Vocational Training Centre, Osaka Prefectural Government

6. REMARKS

SERIAL NUMBER 24

SUPERVISORY TRAINING (SEMINAR) (監督者訓練セミナー)

1. PERIOD

May 8, 1980 to July 10, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Between 30 and 50 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to administration system, industry and labour situation in Japan
 - Introduction to supervisory training in Japan (Methods of supervisory training, foreman training, middle management training)
 - Presentation of country report and discussion on the problems of supervisory training in participating countries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Vocational Training Bureau, Ministry of Labour
- 2) Tokyo International Centre, JICA

6. REMARKS

SERIAL NUMBER 31-1

VOCATIONAL TRAINING INSTRUCTORS
(MACHINERY TRADE) (職業訓練指導員養成〔機械〕)

1. PERIOD

May 15, 1980 to March 30, 1980 (10.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Strength of materials
 - Machine design
 - Metals and metal technology
 - Machine tools
 - Mechanical processing
 - Measuring and testing
 - Dench work
 - Machine tool operation
 - Nontraditional mechanical processing practice
 - Measuring and testing
 - Mechanical experiment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 31-2

VOCATIONAL TRAINING INSTRUCTORS
(ELECTRIC TRADE) (職業訓練指導員養成〔電気〕)

1. PERIOD

May 15, 1980 to March 30, 1981 (10.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) *Qualified in their respective fields*
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Electrical wiring construction*
 - Illumination engineering
 - Design of wiring works
 - Power electronics
 - Theories of electrical machinery
 - Design of electrical machinery
 - Electrical power engineering
 - General concept of automatic control*
 - Electrical wiring practice
 - Practice of sequence control
 - Electrical machinery practice
 - Electrical measurement
 - Power electronics
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 31-3

VOCATIONAL TRAINING INSTRUCTORS
(WOOD WORKING TRADE) (職業訓練指導員養成〔木材加工〕)

1. PERIOD

May 15, 1980 to March 30, 1981 (10.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Design section
 - Furniture design process
 - Construction of furniture
 - System of coloring
 - Basic design, drafting and drawing
 - Material section
 - Wood basis materials
 - Gluing and plywood
 - Material testing
 - System in production section
 - Mechanical processing
 - Hand processing
 - Painting techniques
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

8. REMARKS

SERIAL NUMBER 31-4

VOCATIONAL TRAINING INSTRUCTORS
(AUTOMOTIVE TRADE) (職業訓練指導員養成〔運輸装置〕)

1. PERIOD

May 15, 1980 to March 30, 1981 (10.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Internal combustion engines
 - Automobile engineering I
 - Automobile air-conditioning
 - Automobile mechanism I
 - Repair and performance test of automobiles
 - Repair and performance test of engines
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 31-5

VOCATIONAL TRAINING INSTRUCTORS
(ELECTRONICS TRADE) (職業訓練指導員養成〔電子〕)

1. PERIOD

May 15, 1980 to March 30, 1981 (10.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Between 25 and 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Electronic components
 - Electronic circuits
 - High frequency measurements
 - TV engineering
 - Computers
 - Radio wave propagation and antenna engineering
 - Communication engineering
 - Electronic circuits
 - Transistor radio
 - TV receiver
 - Computer
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 84

OFFSET PRINTING (オフセット印刷)

1. PERIOD

September 11, 1980 to December 5, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) High school graduates at least
- 2) *Qualified in their respective fields*
- 3) Occupational experience of more than 3 years
- 4) Under 35 years of age
- 5) *Good working knowledge of English*

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to photography
 - Introduction to lithography
 - Introduction to tone reproduction
 - Color reproduction and screening
 - Electronic color scanning
 - Stripping and correction
 - Offset lithographic plate making
 - Direct screening color separation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japan Printing Association

6. REMARKS

SERIAL NUMBER 98

**PUBLIC ADMINISTRATION OFFICERS
ON WOMEN'S PROBLEMS (SEMINAR)** (婦人関係行政セミナー)

1. PERIOD

October 2, 1980 to November 10, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Female
- 2) University graduates or equivalent
- 3) Qualified in their respective fields
- 4) Occupational experience of more than 3 years
- 5) Between 25 and 40 years of age
- 6) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture
—Public administration on women's problems in Japan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Women's and Young Workers' Bureau, Ministry of Labour
- 2) Tokyo International Centre, JICA

6. REMARKS

SERIAL NUMBER 99

INDUSTRIAL SAFETY AND HEALTH (SEMINAR) (労働安全衛生行政セミナー)

1. PERIOD

October 2, 1980 to November 14, 1980 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Role of governmental and non-governmental organizations in industrial safety and health
 - Methods of accident investigation and procedures of cause analysis and cost calculation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Labour
- 2) Tokyo International Centre, JICA

6. REMARKS

SERIAL NUMBER 101

INDUSTRIAL RELATIONS (SEMINAR) (労使関係行政セミナー)

1. PERIOD

October 2, 1980 to November 19, 1980 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Presently engaged in administration of industrial relations in the governmental bodies
- 2) Over 30 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Introduction to labor administration
 - Function of labor organizations
 - Labor laws
 - History and present state of industrial relations
 - Labor economy
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Labor Policy Bureau, Ministry of Labour
- 2) Japan Institute of Labour

6. REMARKS

SERIAL NUMBER 110

VOCATIONAL TRAINING (SEMINAR) (職業訓練セミナー)

1. PERIOD

October 11, 1980 to December 17, 1980 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Vocational education in Japan
 - Employer-employee relationship and wages
 - Development of human abilities and employment policy
 - Public employment security
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Vocational Training Bureau, Ministry of Labour

6. REMARKS

18. INFORMATION SCIENCE

SERIAL NUMBER 89

COMPUTER TECHNOLOGY (コンピューター技術)

1. PERIOD

September 18, 1980 to December 18, 1980 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Must have fundamental knowledge of FORTRAN programming
- 2) Must be intent on learning fundamental COBOL programming and advanced FORTRAN programming including practice
- 3) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - COBOL
 - FORTRAN
 - Application to Statistics, especially Population Census
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Asian Electronics Union, Tokyo

6. REMARKS

GROUP TRAINING COURSES AND SEMINARS (1) FOR 1980 BY THE GOVERNMENT OF JAPAN

JAPAN INTERNATIONAL COOPERATION AGENCY

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates																Facilities and Institutions
			4	5	6	7	8	9	10	11	12	1	2	3	4				
1	Institutional Treatment of Adult Offenders	3.5	3			8											United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders		
2	Maintenance of Construction Machinery	3.5	3			8											Ministry of Construction		
3	Telephone Switching Engineering (I)	3.5	3			13											NTT (Nippon Telegraph and Telephone Public Corporation)		
4	Smaller Enterprise Development (Seminar)	4	3				1										Central Japan Industries Association		
5	Coin and Decoration Manufacture, Metal Analysis and Precious Metal Refining	6	3						30								Mint Bureau, Ministry of Finance		
6	Ceramic Glaze and Decoration	6	3							3							Government Industrial Research Institute, Nagoya Tajimi-City Ceramic Design Research Centre		
7	Metal Finishing Engineering	7	3							31							Government Industrial Research Institute, Nagoya, etc.		
8	High Skilled Machinist	12	3													23	Higashi-yodogawa Advanced Vocational Training Centre, Osaka Prefectural Government		
9	Microbial Diseases Study	12	3													23	Research Institute for Microbial Diseases, Osaka University		
10	Family Planning Administration for Senior Officers (Seminar)	1	9	27													Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)		
11	Local Government	3	10				1										Local Autonomy College, Ministry of Home Affairs		
12	Artificial Insemination for Cattle	6	24							23							Fukushima National Livestock Breeding Station, Ministry of Agriculture, Forestry and Fisheries		
13	International Telegraph and Telephone Services (Traffic and Commercial)	2.5		1			14										KDD (Kokusai Denshin Denwa Co., Ltd.)		
14	Agricultural Extension Service	3		1				31									Japan Agricultural Development and Extension Association		
15	Satellite Communication Engineering (Regular)	3		1				1									KDD (Kokusai Denshin Denwa Co., Ltd.)		
16	Carrier Telephony Engineering	3.5		1					10								NTT (Nippon Telegraph and Telephone Public Corporation)		
17	Port and Harbour Engineering	4.5		1						6							Bureau of Ports and Harbours, Ministry of Transport		
18	Hydrographic Survey	6		1							1						Hydrographic Department, Maritime Safety Agency		

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates												Facilities and Institutions	
			4	5	6	7	8	9	10	11	12	1	2	3		4
19	Animal Health Research	6		1						31						National Institute of Animal Health (NIAH)
20	Marine Fisheries Research	6		1						31						Tokai Regional Fisheries Research Laboratory, Fishery Agency
21	Tuberculosis Control (Advanced)	1.5		5	9											The Research Institute of Tuberculosis
22	Trade Promotion A (Seminar)	2		7		5										World Trade Centre of Japan
23	Television Broadcasting Management	1.5		8	19											International Cooperation Division, Ministry of Posts and Telecommunications
24	Supervisory Training (Seminar)	2.5		8		10										Vocational Training Bureau, Ministry of Labour
25	Tourism A (Seminar)	2		8		8										Tourism Department, Ministry of Transport
26	Poultry Development	5		8						3						Okazaki National Poultry Breeding Station, Ministry of Agriculture Forestry and Fisheries
27	Thermal-Electric Power Engineering	2.5		8		26										The Tokyo Electric Power Co., Inc.
28	Hydro-Electric Power Engineering	2.5		8		26										Electric Power Development Co., Ltd.
29	Wood Industrial Machinery	4		8						31						Nagoya International Training Centre, JICA
30	Foundry Engineering	8.5		8										23		Government Industrial Research Institute, Nagoya
31	Vocational Training Instructors	10.5		15											30	Institute of Vocational Training
32	Agricultural Co-operatives	1.5		8	20											Institute for the Development of Agricultural Cooperation in Asia
33	Water Works Engineering	3		15						11						Japan Water Works Association
34	Offshore Prospecting	7.5		15										18		Geological Survey of Japan, Ministry of International Trade and Industry
35	Solid Waste Management and Night Soil Treatment	2		21		14										Japan Environmental Sanitation Centre
36	Aids to Navigation	2.5		22						31						Maritime Safety Agency
37	Mining Engineering	3		22						22						Japan Mining Industry Association
38	Control of Rice Diseases and Insect Pests	7		22										16		Hyōgo Prefectural Agricultural Research Centre, Kobe University

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates																Facilities and Institutions
			4	5	6	7	8	9	10	11	12	1	2	3	4				
39	Information, Education and Communi- cation in Family Planning (Seminar)	1			4 25												Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)		
40	Telephone Outside Plant Engineering	3.5			5			14									NTT (Nippon Telegraph and Telephone Public Corporation)		
41	Welding Technology	8			5									23			Japan Welding Society, Tōkai Branch and Nagoya University		
42	Maintenance and Improvement Engineering of Permanent Ways	3			12			11									JNR (Japanese National Railways)		
43	Tuberculosis Control	4.5			12								20				The Research Institute of Tuberculosis Japan Anti-tuberculosis Association (JATA)		
44	Surveying and Mapping (Map and Reproduction)	6			12									12			Geographical Surveying Institute, Ministry of Construction		
45	Metrology and Measurement Standards	6			12									12			National Research Laboratory of Metrology (NRLM)		
46	Agricultural Machinery Maintenance and Repair	6.5			12									24			Member Plants of Japan Agricultural Machinery Manufacturers Association		
47	Economic Development (Seminar)	1.5		22	30												Economic Planning Agency		
48	Radio Broadcasting Engineering	2.5				3								15			NHK (Nippon Hoso Kyokai, Japan Broadcasting Corporation)		
49	Color Television Engineering	3.5				3								6			NHK (Nippon Hoso Kyokai, Japan Broadcasting Corporation)		
50	Microwave Communication Engineering (1)	3.5				3								12			NTT (Nippon Telegraph and Telephone Public Corporation)		
51	Agricultural Land and Water Resources Development	2.5				10								20			Agricultural Structure Improvement Bureau, Ministry of Agriculture, Forestry and Fisheries		
52	Fisheries Co-operatives	5.5				3										19	Kanagawa International Fisheries Training Centre, JICA		
53	Coastal Fisheries Extention I (Practice)	5.5				3										19	Kanagawa International Fisheries Training Centre, JICA		
54	Educational Television Programme	3					17							6			NHK (Nippon Hoso Kyokai, Japan Broadcasting Corporation)		
55	Railway Rolling Stock Engineering	3.5					17									23	JNR (Japanese National Railways)		
56	Business Feasibility Study and Manag- ement Practice	8.5					24									29	Central Japan Industries Association		
57	Development Economics (Industrial Project)	2.5				3										18	International Development Centre of Japan (IDC)		
58	River Engineering	4.5					24									30	River Bureau, Ministry of Construction		

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates												Facilities and Institutions		
			4	5	6	7	8	9	10	11	12	1	2	3		4	
59	Radio Frequency Monitoring	2					7	2									International Cooperation Divison, Ministry of Posts and Telecommunications
60	City Planning	2.5					24	29									City Bureau, Ministry of Construction
61	Medical and Health Aspects in Family Planning	1					13	3									Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)
62	Telephone Switching Engineering (II)	3.5					14	23									NTT (Nippon Telegraph and Telephone Public Corporation)
63	Industrial Standardization and Quality Control	3					21	15									Agency of Industrial Science and Technology, Japanese Standard Association
64	Bridge Engineering	2.5					21	7									Road Bureau, Ministry of Construction
65	Groundwater Resources Development	4					21	20									Geological Survey of Japan, Ministry of International Trade and Industry
66	Satellite Communication Engineering (Advanced)	2.5					28	10									KDD (Kokusai Denshin Denwa Co. , Ltd.)
67	Electric Power Distribution	3					28	15									Ministry of International Trade and Industry and Overseas The Overseas Electrical Industry Survey Institute, Inc.
68	International Telex Communication Engineering	3					28	17									KDD (Kokusai Denshin Denwa Co. , Ltd.)
69	Post-Harvest Rice Processing	3.5					28	1									Japan Rice Millers Association
70	General Tax Programme (Sminar)	3.5					27	11									National Tax Administration
71	Foreign Trade Practice for Leaders	4					28	16									The Kobe Chamber of Commerce and Industries and Kobe University
72	Weaving Engineering	7					28	29									Mikawa and Owari Textile Technical Centre, Aichi Prefecture, etc.
73	Tile Manufacturing Technology	7					28	29									Government Industrial Research Institute, Nagoya Ina Seitoh Co. , Ltd.
74	Seismology and Earthquake Engineering	12					4	8.20									Building Research Institute, Ministry of Construction
75	Industrial Design	2.5					4	8									Japan Industrial Design Promotion Organization
76	Shipping Business	2					4	31									Shipping Bureau, Ministry of Transport
77	Geothermal Energy	3					4	27									Kyūshu University
78	National Government Administration	3					4	29									Institute of Public Administration, National Personnel Authority

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates																Facilities and Institutions
			4	5	6	7	8	9	10	11	12	1	2	3	4				
79	Reforestation Techniques and Administration	3						4				4					Forestry Agency, Ministry of Agriculture, Forestry and Fisheries		
80	Water Pollution Control and Sewage Works Engineering	3.5						4				11					City Bureau, Ministry of Construction		
81	Microwave Communication Engineering (II)	4						4				21					NTT (Nippon Telegraph and Telephone Public Corporation)		
82	Construction Engineering	4						4				23					Ministry of Construction		
83	Technical Management of Pollution Control	2						11		27							Environment Agency		
84	Offset Printing	3						11				5					Japan Printing Association		
85	Medical Science and Technology	9.5						11								81 5.16	Kobe University		
86	Ports and Harbours Engineering (Senior Course)	1						14		14							Bureau of Ports and Harbours, Ministry of Transport		
87	Administration of Criminal Justice	3.5						4				9					United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders		
88	Subway Engineering	2						18			14						Teito Rapid Transit Authority		
89	Computer Technology	3						18				18					The Asian Electronics Union		
90	Trade Promotion B (Seminar)	2						24				23					World Trade Centre of Japan		
91	Prevention of Narcotic Offences (Seminar)	1.5						25				29					National Police Agency		
92	Fishery Statistics	2						25				24					Statistics and Information Department, Ministry of Agriculture, Forestry and Fisheries		
93	Refractory Manufacturing Technology	6.5						25								29	Technical Research Laboratory of Mino Yōgyo Co., Ltd.		
94	Ceramic Engineering	11						25								81 8.21	Government Industrial Research Institute, Nagoya, Ministry of International Trade and Industry		
95	Statistics I (General)	6.5						18								27	Statistical Institute for Asia and the Pacific, Ministry of Construction		
96	Aerodrome (Seminar)	1.5						25				3					Civil Aviation Bureau, Ministry of Transport		
97	Senior Tax Programme (Seminar)	1						1		18							National Tax Administration		
98	Public Administration Officers on Women's Problems	1.5						2				10					Women's and Young Worker's Bureau, Ministry of Labour		

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates												Facilities and Institutions		
			4	5	6	7	8	9	10	11	12	1	2	3		4	
99	Industrial Safety and Health (Seminar)	1.5							2	14							Labour Standards Bureau, Ministry of Labour
100	Customs Techniques (Seminar)	2							25	15							Customs and Tariff Bureau, Ministry of Finance
101	Industrial Relations (Seminar)	2							2	19							Labour Standards Bureau, Ministry of Labour
102	Electric Power Management	2							2	29							Overseas Electric Industry Survey Institute Inc.
103	Technology for Disaster Prevention	2.5							2	16							National Research Centre for Disaster Prevention
104	Fire Service Administration	3							2	19							Fire Defence Agency, Ministry of Home Affairs
105	Meteorology	4							2	29							Japan Meteorological Agency
106	Development Economics (General)	6							2	31							International Development Centre of Japan
107	Highway Construction (Seminar)	2							9	27							Road Bureau, Ministry of Construction
108	Traffic Police Administration	2							9	1							National Police Agency
109	Telecommunication Management (Seminar)	0.5							10	23							Ministry of Ports and Telecommunications
110	Vocational Training (Seminar)	2.5							11	17							Vocational Training Bureau, Ministry of Labour
111	Community-Based Family Planning Programme (Seminar)	1							16	5							Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)
112	Railway Electrification and High-Speed Operation	2.5							16	19							JNR (Japanese National Railways)
113	Administration for Seamen's Education	1.5							16	26							Seafares Bureau, Ministry of Transport
114	Tourism B (Seminar)	2.5							16	16							Tourism Department, Ministry of Transport
115	Ports and Harbours (Seminar)	2							23	21							Bureau of Ports and Harbours, Ministry of Transport
116	Early Gastric Cancer Detection and Related Gastrointestinal Tract Diseases	2							25	22							Medical Association for Early Gastric Cancer Detection
117	Telephone Network Planning and Designing	4							23	8							NTT (Nippon Telegraph and Telephone Public Corporation)
118	Metal Works and Engineering	10							23	81 8, 21							Government Industrial Research Institute, Nagoya

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates														Facilities and Institutions
			4	5	6	7	8	9	10	11	12	1	2	3	4		
119	Laboratory Works for Tuberculosis Control	4								23				23			The Research Institute of Tuberculosis Japan Anti-tuberculosis Association
120	Clinical Oncology	4.5								23				5			National Cancer Centre of Tuberculosis
121	Physical Oceanographic Survey	4.5								6				17			Hydrographic Department, Maritime Safety Agency
122	Broadcasting Management (Seminar)	0.5								10	23						International Cooperation Division, Ministry of Posts and Telecommunications
123	National Health Administration	1								20	19						International Medical Foundation of Japan
124	Plastics	4.5								20				31			Osaka Municipal Technical Research Institute
125	Medical Radiography	7.5								20					81 6.30		College of Biomedical Technology, Osaka University
126	Glass Technology	2.5										8		21			Government Industry Research Institute, Osaka,
127	International Telephone Switching Engineering	2.5										8		21			KDD (Kokusai Denshin Denwa Co., Ltd.)
128	Textile Machinery Industries	3										8		29			Japan Textile Machinery Manufacturers' Association
129	Measures for Smaller Industry	2.5										8		31			Osaka Prefectural Government, the Osaka Prefectural Institute for Industrial Management
130	Shipbuilding	12										8			81 12.25		Ship Bureau, Ministry of Transport (Overseas Shipbuilding Cooperation Centre)
131	Electrical Steel Making	4										15			81 5.10		Government Industrial Research Institute, Nagoya, Ministry of International Trade and Industry and Daido Special Steel Corporation
132	Coastal Fisheries Extention II (Theory)	5.5										8			81 6.11		Kanagawa International Fisheries Training Centre, JICA
133	Prevention of Offences (Senior Course)	2											5	22			United Nations Asia and Far East Institute for the Preven- tion of Crime and the Treatment of Offenders (UNAFEI)
134	Railway Signal Engineering	4.5											5		56 6.11		JNR (Japanese National Railways)
135	Telecommunication Development (Seminar)	0.5											20	5			International Cooperation Division, Ministry of Posts and Telecommunications
136	Postal Executives (Seminar)	0.5													2	15	Postal Bureau, Ministry of Posts and Telecommunications
137	Environmental Administration	2													19	27	International Affairs Division, Environment Agency

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates												Facilities and Institutions		
			4	5	6	7	8	9	10	11	12	1	2	3		4	
138	Rice Cultivation	8.5													12	81 11.23	Tsukuba International Agricultural Training Centre, JICA
139	Rice Production Mechanization	8.5													19	81 11.23	Tsukuba International Agricultural Training Centre, JICA
140	Irrigation and Drainage	8.5													19	81 11.23	Tsukuba International Agricultural Training Centre, JICA
141	Vegetable Crops Production	8.5													19	81 11.23	Tsukuba International Agricultural Training Centre, JICA

