

**Outline of
The Group Training Course
in Japan**

1971

Japan International Co-operation Agency
Tokyo, Japan

国際協力事業団	
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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 programs for the fiscal year of 1976.

Copies of "General 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 "General 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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本資料は、わが国の技術協力計画の一環として、1976事業年度において開発途上諸国からの技術研修員受入れに伴う集団研修コース実施計画を概約し全体的な内容を紹介する目的で作成したものであります。

本事業年度実施予定の各集団研修コースの詳細を明記したインフォメーションは逐次送付する予定であるが、これを送付する以前に当該事業年度の各研修コースの概要把握のための参考資料としてご利用いただければ甚だ幸いと存じます。

昭和51年4月

国際協力事業団
研修事業部長

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SERIAL NUMBER 10

TREATMENT OF OFFENDERS (犯罪防止)

1. PERIOD

April 8, 1976 to July 14, 1976 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- (1) University graduates
- (2) Persons who hold relatively senior positions in a central bureau or department or field agency concerned with the correctional treatment of delinquents and offenders
- (3) Occupational Experience of more than five (5) years
- (4) Under fifty (50) years of age
- (5) 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 of treatment process of offenders
 - Group workshop on the topics selected by participants
- (2) Observation tours

6. 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 35

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

1. PERIOD

June 3, 1976 to July 13, 1976 (40-day)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- (1) Government officials in charge of economic development policies
- (2) Under forty (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
 - International cooperation and development
- (2) Observation tours

5. FACILITIES AND INSTITUTIONS

- Economic Planning Agency
- Tokyo International Center, JICA

6. REMARKS

SERIAL NUMBER 49

MARINE ENVIRONMENT (海洋環境)

1. PERIOD

July 1, 1976 to August 22, 1976 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- (1) Scientist or technician holding B.Sc or equivalent majoring in either physics, chemistry, biology or marine science
- (2) A few years academics and/or practical experiences in the related field
- (3) Under 35 years of age
- (4) Preferably those who participated in the previous year course in Japan
- (5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- (1) Lectures and laboratory practice
 - Interaction of marine environment and organisms
 - Introduction to fisheries biology
 - Taxonomy of planktons in the sea
 - Plankton culture techniques
 - Distribution of planktons in the sea
 - Production
- (2) Observation tours

5. FACILITIES AND INSTITUTIONS

Faculty of fisheries, Hokkaido University

6. REMARKS

SERIAL NUMBER 64

FIRE SERVICE ADMINISTRATION (消防行政)

1. PERIOD

August 26, 1976 to October 30, 1976 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- (1) Bachelor in law, politics, administration
- (2) Three years experience in the field of fire service
- (3) Under forty (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

- Fire Defence College and Fire Defence Laboratory
- Tokyo Fire Department
- Fire Defence Agency, Ministry of Home Affairs

6. REMARKS

SERIAL NUMBER 70

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

1. PERIOD

September 2, 1976 to March 31, 1977 (7-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- (1) University graduates or equivalent with occupational experience in his own specialized field for more than five (5) years
- (2) Being currently engaged in or designated to the profession in the field of industrial development, planning and execution in governmental organization
- (3) Age between 26 and 35 years
- (4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- (1) Lectures and case practices
 - Organization and system, finance & accounting, production and making
 - Observation tours

5. FACILITIES AND INSTITUTIONS

Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 79

ADMINISTRATION OF CRIMINAL JUSTICE (刑事司法行政)

1. PERIOD

September 9, 1976 to December 17, 1976 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- (1) Senior police officer in charge of investigations against offenses of international nature
- (2) Good working knowledge of English

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.
- (2) Observation tours

5. FACILITIES AND INSTITUTIONS

Criminal Investigation Bureau, National Police Agency

6. REMARKS

SERIAL NUMBER 82

PREVENTION OF NARCOTIC OFFENCES (SEMINAR)

(麻薬犯罪取締セミナー)

1. PERIOD

September 16, 1976 to October 23, 1976 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- (1) Staff members in charge of narcotic offences at central police organization or equivalent government organization
- (2) Good working knowledge

4. DESCRIPTION OF TRAINING

- (1) Lectures
 - Circumstances which have brought about decrease in narcotic offences in Japan
 - Countermeasures against addicts
 - Identification of narcotic drugs
- (2) Presentation of country reports by participants
- (3) Case study of investigation techniques
- (4) Observation tours

5. FACILITIES AND INSTITUTIONS

- National police Agency
- Tokyo International Center

6. REMARKS

STATISTICS (統計)

1. PERIOD

September 23, 1976 to March 31, 1977 (6-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, a position of responsibility in a government statistical office
- (3) Preferably between twenty-five (25) and thirty-five (35) years of age
- (4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- (1) Lectures, 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

Asian Statistical Institute

6. REMARKS

SERIAL NUMBER 85

POLLUTION CONTROL TECHNOLOGY (SEMINAR) (環境技術)

1. PERIOD

September 16, 1976 to October 25, 1976 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- (1) University graduates or those who possess equivalent technical qualification in the field
- (2) Junior technical officials responsible for water pollution control administration, either central or local, in governmental organization
- (3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- (1) Lectures and practical training
 - Historical background of water pollution control in Japan
 - Water pollution control policy in Japan
 - Waste water treatment
 - Assessment and forecast of water quality
 - Water contamination and ecosystems
 - Water quality monitoring and analysis of water quality
- (2) Observation tours

5. FACILITIES AND INSTITUTIONS

Environmental Agency

6. REMARKS

SERIAL NUMBER 126

PREVENTION AND TREATMENT OF CRIME
AND DELINQUENCY (SEMINAR)
(SENIOR CLASS) (犯罪防止)(上級)

1. PERIOD

February 10, 1977 to March 28, 1977 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- (1) Judges of the highest court, chief judges of the lower court or judges or other officials who are commissioned to the equivalent of those judgeship
- (2) Under fifty-five (55) years of age
- (3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- Individual presentation and discussion
- Evaluation of principal objectives of a sentencing policy and of methods towards the fullest possible achievement of those objectives
 - Development of more appropriate agency to determine the sentence or to share such determination
 - Identification of the necessity for reforming current types of disposition
 - Examination of possible infringement of fundamental rights guaranteed to offenders
 - Improvements in special sentencing measures for juveniles, drug addicts and mentally discarded

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 127

ENVIRONMENTAL EXECUTIVES' SEMINAR (環境行政)

1 PERIOD

February 10 1977 to March 20 1977 (1 month)

2 NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3 QUALIFICATIONS

- 1) Senior technical or administrative officials for environmental administration, either central or local in governmental organization
- 2) 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

Environment Agency

6 REMARKS

SERIAL NUMBER 133

LOCAL GOVERNMENT (地方行政)

1. PERIOD

March 16, 1977 to June 15, 1977 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- (1) University graduates in law, government, economics and public administration
- (2) Under forty (40) years of age
- (3) Occupational experiences of more than five (5) years
- (4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- (1) Lectures and practical training
 - Local government
 - Local finance and tax
 - Planning techniques of regional developments
 - Survey of Japanese economy
 - Modernization in Japan
 - Pollution problems in Japan, etc.
- (2) Observation tours
 - Tokyo International Center
 - Local Autonomy College, Ministry of Home Affairs

5. FACILITIES AND INSTITUTIONS

6. REMARKS

2. AGRICULTURE

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SERIAL NUMBER 1

VEGETABLE PRODUCTION AND ITS EXTENSION (野菜生産)

1. PERIOD

February 12, 1976 to November 30, 1976 (9.5-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
 - 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 cooperative associations and other related organs

5. FACILITIES AND INSTITUTIONS

Uchihara International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 2

IRRIGATION AND DRAINAGE (灌溉排水)

1. PERIOD

February 12, 1976 to November 30, 1976 (9.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates of 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

UCHIHARA International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 3

RICE CULTIVATION AND ITS EXTENSION (稲作普及)

1. PERIOD

March 4, 1976 to December 22, 1976 (9.5-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
-Orientation, Japanese lessons, agriculture in the world, rice culture in Japan, rice breeding and seed production, plant protection, soil & fertilizer, farm machinery, land improvement
-Extension work, survey, administration
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

UCHIHARA International Agricultural Training Centre, JICA

6. REMARKS

SERIAL NUMBER 4

RICE PRODUCTION MECHANIZATION (稲作機械化)

1. PERIOD

March 4, 1976 to December 22, 1976 (9.5-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
 - Rice production mechanization: Effective introduction of farm machinery (inspection and selection), its utilization and systematic mechanized farming connected with rice production
 - The related subjects to mechanization: Rice cultivation, land consolidation works, administration of mechanization and cooperative use of farm machinery in Japan
 - Administration and technicals in common
- 2) Observation tours
 - Experimental and Research Institutes and other related organs

5. FACILITIES AND INSTITUTIONS

UCHIHARA International Agricultural Training Centre (JICA)

6. REMARKS

SERIAL NUMBER 9

AGRICULTURAL EXTENSION SERVICE (稲作普及)

1. PERIOD

April 8, 1976 to July 10, 1976 (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 practical training
 - Orientation in general
 - Agriculture and its Extension Services in Japan
 - Planning of Extension Services
 - Local Administration
- 2) Observation tours
 - Extension offices and farm houses
 - Experimental Research facilities

5. FACILITIES AND INSTITUTIONS

Extension and Education Division, Extension Department, Agricultural Production Bureau,
Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 21

CONTROL OF RICE DISEASES AND INSECTS (稲病害虫防除)

1. PERIOD

May 6, 1976 to November 15, 1976 (6-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
 - Agriculture in Japan and its topics
 - Rice growing technique in Japan
 - Administration and research organization for plant protection in Japan
 - Major diseases and insect pests in rice growing
 - Agricultural extension system in Japan
- 2) Observation tours
Research institutes and other related organs

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo Prefectural Agricultural Experiment Station
- 2) Kobe University, Chemical Research Laboratory of Agricultural Department

6. REMARKS

SERIAL NUMBER 36

AGRICULTURAL MACHINERY MAINTENANCE
AND REPAIR (農業機械整備)

1. PERIOD

June 3, 1976 to December 5, 1976 (6-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
 - Orientation, agricultural machinery, fundamentals of mechanical engineering, subjects related to agricultural machinery, managerial aspects in agricultural machinery
 - Disassembly and maintenance of various types of engines and tractors
- 2) Observation tours
 - Research institutes, various types of agricultural machinery, tractor and bulldozer

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 46

AGRICULTURAL LAND AND WATER RESOURCES (農地水資源開発)

1. PERIOD

July 1, 1976 to August 28, 1976 (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 3 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 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 and Forestry

6. REMARKS

SERIAL NUMBER 63

AGRICULTURAL STATISTICS (農林水産統計)

1. PERIOD

August 19, 1976 to November 13, 1976 (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 practical training
 - Statistical administration and of statistical research
 - Census of agriculture in generals and details and survey of farm households
 - Survey of farm households (including study trip)
 - Rural community survey
 - Yield survey of rice and area survey
 - Crop survey
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Statistics and Information Department, Agricultural, Forestry and Economic Bureau,
Ministry of Agricultural and Forestry

6. REMARKS

SERIAL NUMBER 71

RICE PROCESSING (粳处理精米加工)

1. PERIOD

September 9, 1976 to December 4, 1976 (3-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 45 years of age
- 5) 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 cooperatives
 - Characteristics of Japonica and Indica
- 2) Observation tours Observation of machine making factory

5. FACILITIES AND INSTITUTIONS

Ministry of Agriculture and Forestry
Japan Rice Millers Association

6. REMARKS

SERIAL NUMBER 97

AGRICULTURAL COOPERATIVES (農業協同組合)

1. PERIOD

September 30, 1976 to December 21, 1976 (3-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 cooperatives in Japan
 - Practical operation of primary society
 - Studies in detail of cooperative business
 - Cooperative management and organizational problems
 - Studies on other kinds of cooperatives
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute for the Development of Agricultural Cooperation in Asia (IDACA)

6. REMARKS

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SERIAL NUMBER 14

POULTRY DEVELOPMENT (養 鶏)

1. PERIOD

April 22, 1976 to October 3, 1976 (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 36 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Raising techniques
 - Hygiene and diseases
 - Feeding
 - Breeding and improvement of strains
 - Farm management
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Okazaki National Poultry Breeding Station
Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 18

ARTIFICIAL INSEMINATION FOR CATTLE (家畜人工授精)

1. PERIOD

April 19, 1976 to October 23, 1976 (6-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

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
 - Practice for A.I' and processing of frozen semen
 - Animal reproduction
 - Animal industry in Japan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Fukushima National Livestock Breeding Station
Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 22

ANIMAL HEALTH (家畜衛生研究)

1. PERIOD

May 6, 1976 to November 16, 1976 (6-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

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
-Examination, prevention and treatment of bovine, swine, equine, avian and other livestock diseases
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Institute of Animal Health
Ministry of Agriculture and Forestry

6. REMARKS

4. FORESTRY

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SERIAL NUMBER 76

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

1. PERIOD

September 9, 1976 to December 15, 1976 (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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Forestry planning, breeding, nursery practice, regeneration tree tending and watershed management of Japan
 - Introduction of management and administration systems of national forests in Japan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Forestry Agency, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 123

**WOOD INDUSTRIAL MACHINERY
ENGINEERING** (木材工業機械)

1. PERIOD

January 6, 1977 to March 31, 1977 (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 5 years
- 4) Over 30 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Lumber cutting & its equipment
 - Plywood processing & its equipment
 - Woodworking machineries
 - Technical development and transfer of technology in relation to roles of industrial research institutions, universities, financial institutions, small business guidance centers, chambers of commerce and industry, and cooperative associations
- 2) Observation Tour

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Center

6. REMARKS

5. FISHERIES

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SERIAL NUMBER 5

COASTAL FISHERIES EXTENSION (沿岸漁業普及)

1. PERIOD

April 1, 1976 to February 28, 1977 (11-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) Senior High School graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 22 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Center, JICA

6. REMARKS

SERIAL NUMBER 17

MARINE FISHERIES RESEARCH (COURSE I) (水産研究 1)

1. PERIOD

April 29, 1976 to November 6, 1976 (6-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 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, Fisheries Agency

6. REMARKS

SERIAL NUMBER 37

FISHERIES CO-OPERATIVES (漁業協同組合)

1. PERIOD

June 3, 1976 to November 30, 1976 (6-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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Theories, principles and management of fisheries co-operative
 - Other related matters
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Center, JICA

6. REMARKS

SERIAL NUMBER

MARINE FISHERIES RESEARCH (COURSE II) (水産研究 2)

1. PERIOD

September 2, 1976 to March 14, 1977 (6.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

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
-Fishing gear and methods
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Tokai Regional Fisheries Research Laboratory, Fisheries Agency

6. REMARKS

SERIAL NUMBER 75

FRESH WATER FISH-CULTURE AND
PROPAGATION RESEARCH (淡水魚培養殖)

1. PERIOD

September 9, 1976 to December 25, 1976 (3.5-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) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Culture and propagation of the warm freshwater fish in Japan
 - Economy of freshwater fisheries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Freshwater Fisheries Research Laboratory, Fisheries Agency
- 2) Ueda Branch of Freshwater Fisheries Research Laboratory
- 3) Nikko Branch of Freshwater Fisheries Research Laboratory

6. REMARKS

6. CONSTRUCTION AND CIVIL ENGINEERING

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SERIAL NUMBER 24

CONSTRUCTION MACHINERY ENGINEERING (建設機械)

1. PERIOD

May 6, 1976 to August 14, 1976 (3-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, trouble shooting and field construction machinery
 - Planning, layout, parts control, tool control and administration of workshop
 - Construction sites and related manufacturing companies
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Construction
- 2) Japan Construction Mechanization Association

6. REMARKS

SERIAL NUMBER 30

PORTS AND HARBOURS (SEMINAR) (港灣セミナー)

1. PERIOD

May 13, 1976 to July 18, 1976 (2-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 8 years
- 4) Under 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 management and operation
 - Cargo handling operation
 - **The present situation of ports and harbours in the participating countries (discussion)
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

SERIAL NUMBER 43

GEODESY (測量技術)

1. PERIOD

June 10, 1976 to December 11, 1976 (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 or future engagement in surveying and mapping
- 3) Non-administrative personnel
- 4) Under 35 years of age
- 5) 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 geodesy, photogrammetry and cadastral survey
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Geographical Survey Institute, Ministry of Construction

6. REMARKS

SERIAL NUMBER 54

RIVER ENGINEERING (河川工学)

1. PERIOD

July 29, 1976 to November 27, 1976 (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) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

SERIAL NUMBER 59

PORT AND HARBOUR ENGINEERING (港務工學)

1. PERIOD

August 5, 1976 to December 18, 1976 (4.5-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 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning of ports and harbours
 - Design of port and harbour facilities
 - Execution of port and harbour construction works
 - Container berth
 - Exercise, discussion and case study
- 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 60

BRIDGE ENGINEERING (橋梁工学)

1. PERIOD

August 5, 1976 to October 25, 1976 (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 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 tours

5. FACILITIES AND INSTITUTIONS

- 1) Planning Bureau and Road Bureau, Ministry of Construction
- 2) Tokyo International Center, JICA

6. REMARKS

SERIAL NUMBER 80

SEISMOLOGY AND EARTHQUAKE ENGINEERING (地震工学)

1. PERIOD

September 9, 1976 to August 14, 1977 (11-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Well versed in elementary mathematics (differential and integral calculus, etc.)
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Both of courses: 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

International Institute of Seismology and Earthquake Engineering (IISEE), and building
Research Institute, Ministry of Construction

6. REMARKS

SERIAL NUMBER 90

AERODROME (SEMINAR) (空港セミナー)

1. PERIOD

September 30, 1976 to November 7, 1976 (1-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) Japan International Cooperation Agency
- 2) Japan Airport Consultants Co., Inc.
- 3) Tokyo International Center

6. REMARKS

SERIAL NUMBER 102

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

1. PERIOD

October 7, 1976 to November 20, 1976 (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 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 Center
 - Kansai district

5. FACILITIES AND INSTITUTIONS

Ministry of Construction
Public Works Research Institute

6. REMARKS

SERIAL NUMBER 106

CITY PLANNING (都市計画)

1. PERIOD

October 14, 1976 to December 18, 1976 (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 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

Ministry of Construction
Tokyo International Center, JICA

6. REMARKS

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SERIAL NUMBER 15

THERMAL-ELECTRIC POWER ENGINEERING (火力発電)

1. PERIOD

April 29, 1976 to July 24, 1976 (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 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 type of power stations
 - Heavy electrical machinery shops

5. FACILITIES AND INSTITUTIONS

- Ministry of International Trade and Industry
- Tokyo Electric Power Company., Inc.

6. REMARKS

SERIAL NUMBER 16

HYDRO-ELECTRIC POWER ENGINEERING (水力発電)

1. PERIOD

April 29, 1976 to July 24, 1976 (3-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 type of power stations
 - Electric Power Development Company, Ltd.

5. FACILITIES AND INSTITUTIONS

- Ministry of International Trade and Industry
- Electric Power Development Company, Ltd.

6. REMARKS

SERIAL NUMBER 28

WATER-WORKS ENGINEERING (上水道施設)

1. PERIOD

May 13, 1976 to August 13, 1976 (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 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*
 - Design, construction and management of water works system
 - Purification plant control, leak prevention (practical training)
- 2) *Observation tours*

5. FACILITIES AND INSTITUTIONS

- Ministry of Health and Welfare
- Japan Water Works Association

6. REMARKS

SERIAL NUMBER 53

ELECTRIC POWER DISTRIBUTION ENGINEERING (配電技術)

1. PERIOD

July 29, 1976 to October 21, 1976 (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) The Public Utilities Department, Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- 2) The Kansai Electric Power Co., Inc.

6. REMARKS

SERIAL NUMBER 58

SOLID WASTE PROCESSING AND
DISPOSAL ENGINEERING (廃棄物処理)

1. PERIOD

August 5, 1976 to October 13, 1976 (2-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) Civil, sanitary or public health-engineers in charge of solid waste processing and disposal engineering
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Environmental pollution problems
 - Waste processing and disposal administration and public cleaning recycling
 - Waste processing and disposal system manufactures
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Waste Processing and Disposal division of Ministry of Health and Welfare
- 2) Japan Environmental Sanitation Center

6. REMARKS

SERIAL NUMBER 66

GEOTHERMAL ENERGY (地熱エネルギー)

1. PERIOD

August 26, 1976 to November 15, 1976 (2.5-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 74

WATER POLLUTION CONTROL AND
SEWAGE WORKS ENGINEERING (水質汚濁下水道)

1. PERIOD

September 2, 1976 to December 11, 1976 (3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

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

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) Ministry of Construction
- 2) Japan Sewage Works Corporation

6. REMARKS

SERIAL NUMBER 108

ELECTRIC POWER MANAGEMENT (電気事業経営)

1. PERIOD

October 21, 1976 to December 10, 1976 (2-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 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 power stations
 - Heavy Machinery manufacturers

5. FACILITIES AND INSTITUTIONS

- Ministry of International Trade and Industry
- Chubu Electric Power Company, Ltd.

6. REMARKS

8. MINING AND MINERALS

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SERIAL NUMBER 23

OFFSHORE PROSPECTING (沿岸鉱物資源)

1. PERIOD

May 6, 1976 to December 11, 1976 (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
 - Geology
 - Geophysics
 - Applied mathematics
 - Geochemical methods for petroleum and mineral deposits
 - Navigation and position-finding techniques
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Tokyo International Center
- 2) Geological Survey of Japan

6. REMARKS

SERIAL NUMBER 41

MINING ENGINEERING (鉱 山)

1. PERIOD

June 10, 1976 to November 30, 1976 (6.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Qualified in their respective fields
- 3) Healthy enough to carry out practical training in mines
- 4) Under 35 years of age
- 5) 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, smelting, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Mining Industry Association
- 2) Dowa Mining Co., Ltd.
- 3) Furukawa Co., Ltd.
- 4) Mitsubishi Metal Corporation
- 5) Mitsui Mining and Smelting Co., Ltd.
- 6) Nippon Mining Co., Ltd.
- 7) Nittetsu Mining Co., Ltd.
- 8) Sumitomo Metal Mining Co., Ltd.
- 9) Toho Zinc Co., Ltd.

6. REMARKS

SERIAL NUMBER 61

GROUND WATER RESOURCES (地下水開発)

1. PERIOD

August 19, 1976 to December 17, 1976 (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

- 1) Geological Survey of Japan

6. REMARKS

9. HEAVY INDUSTRY

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SERIAL NUMBER 11

METAL FINISHING ENGINEERING (金属表面处理)

1. PERIOD

April 8, 1976 to September 30, 1976 (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 2 years
- 4) Under 40 years of age over 26 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
 - 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

6. REMARKS

SERIAL NUMBER 12

COINS, DECORATION MFG., METAL ANALYSIS
AND PRECIOUS METAL REFINING (貨幣及び勲章)

1. PERIOD

April 15, 1976 to July 30, 1976 (3.5-Month)

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 27

FOUNDRY ENGINEERING (鋳造)

1. PERIOD

May 13, 1976 to December 25, 1976 (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 2 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Foundry sand
 - Mould properties and sand mixtures
 - Moulding processes
 - Foundry raw materials
 - Fuels
 - Melting furnaces
- 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 47

DIESEL RAILWAY ROLLING STOCK ENGINEERING (鉄道車輛)

1. PERIOD

July 1, 1976 to October 10, 1976 (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) 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
 - Procurement and inspection of rolling stock
 - Rolling stock manufacturing engineering
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan National Railways (JNR)
- 2) *Japan Rolling Stock Exporters' Association*

6. REMARKS

SERIAL NUMBER 109

SHIPBUILDING (船舶技術)

1. PERIOD

October 21, 1976 to June 20, 1978 (20-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 Center
- 3) Overseas Shipbuilding Cooperation Center

6. REMARKS

SERIAL NUMBER 124

METAL WORKS AND ENGINEERING (金属加工)

1. PERIOD

January 6, 1977 to September 30, 1977 (9-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 Institutes, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Nagoya Municipal Industrial Research Institute

6. REMARKS

SERIAL NUMBER 117

ELECTRICAL STEEL MAKING (電気製鋼技術)

1. PERIOD

January 6 to March 31, 1977 (3-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.

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Nagoya University

6. REMARKS

10. CHEMICAL INDUSTRY

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SERIAL NUMBER 7

CERAMIC GLAZE AND
DECORATION (釉薬顔料)

1. PERIOD

April 8, 1976 to September 30, 1976 (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) Over 26 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - ~Overglaze colors
 - ~Frit making
 - ~Low melting glaze
 - ~Porcelain glazes
 - ~Color glazes
 - ~Decoration technique
 - ~Screen printing
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 55

TILE MANUFACTURING
TECHNOLOGY (タイル製造)

1. PERIOD

August 5, 1976 to March 31, 1977 (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 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 technique
 - Packing and inspection
 - Quality control methods
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Ina Seito Company
- 3) Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 92

PLASTICS TECHNICS (プラスチック)

1. PERIOD

September 30, 1976 to March 15, 1977 (5.5-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 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 94

REFRACTORY MANUFACTURING
TECHNOLOGY (耐火物製造)

1. PERIOD

September 30, 1976 to March 31, 1977 (6-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
 - Testing of refractory bricks
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Center, JICA
- 2) Technical Research Laboratory of MINO YOGYO CO., LTD.

6. REMARKS

SERIAL NUMBER 115

CERAMIC ENGINEERING (窯 業)

1. PERIOD

November 4, 1976 to September 30, 1977 (11-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

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 command of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Refractories, kiln construction, chemical analysis
 - International analysis, quality control, transfer paper
 - Sanitary ware, insulator, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- Nagoya International Training Center (NITC), JICA
- Government Industrial Research Institute, Nagoya
- Seto Branch, Government Industrial Research Institute, Nagoya

6. REMARKS

11. LIGHT INDUSTRY

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Leather Tanning Techniques	98

SERIAL NUMBER 25

WEAVING ENGINEERING (機 織)

1. PERIOD

May 6, 1976 to December 25, 1976 (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) Over 26 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, loom and jacquard machines, and
 - Chemical and physical testing of fabric, weaving mill management, etc.

5. FACILITIES AND INSTITUTIONS

- Nagoya Institute of Technology
- Mikawa Textile Technical Center
- Owari Textile Technical Center
- Industrial Technical Center

6. REMARKS

SERIAL NUMBER 93

METROLOGY AND MEASUREMENT
STANDARDS (計量標準)

1. PERIOD

September 30, 1976 to March 31, 1977 (6-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Essential of metrology and measurement standards
 - International system of units
 - Maintenance of measurement standards
 - Electrical and related standards
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Research Laboratory of Metrology (NRLM)
- 2) Electrotechnical Laboratory (ETL)
- 3) Japan Measuring Instruments Federation

6. REMARKS

SERIAL NUMBER 118

INDUSTRIAL STANDARDIZATION
AND QUALITY CONTROL (工業標準化)

1. PERIOD

January 6, 1977 to March 30, 1977 (3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Presently engaged in standards engineering works at the national standards body
- 3) Qualified in their respective fields
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Essential of standardization, national and international standardization
 - Standardization in specific fields of industry in Japan
 - Sampling inspection, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of International Trade and Industry
- 2) Japanese Standard Association

6. REMARKS

SERIAL NUMBER 121

LEATHER TANNING TECHNIQUES (皮革なめし技術)

1. PERIOD

January 6, 1977 to August 10, 1977

(7-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) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Chemical and physical characteristics of hides and skins
 - Mechanism and practice of vegetable tannage, leather dyeing, etc.
 - Controlling of leather quality
 - Practical training at various kinds of leather manufacturer
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo International Center, JICA
- 2) The Leather Research Laboratory of Hyogo Prefecture
- 3) Agricultural Department, Kobe University
- 4) Other related private companies and factories, etc.

6. REMARKS

12. TRANSPORTATION AND TRAFFIC

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Physical Oceanographic Survey	111
Railway Signal Engineering	112
Traffic Police Administration	113

SERIAL NUMBER 19

TOURISM A (SEMINAR) (観光セミナー A)

1. PERIOD

May 6, 1976 to June 29, 1976

(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 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

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

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 26

HYDROGRAPHIC SURVEY (水路測量)

1. PERIOD

May 6, 1976 to November 8, 1976 (6-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their 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
 - Control survey
 - Electronic survey
 - Sounding (tidal observation and correction)
 - Harbour survey
 - Ocean survey
 - Data processing of ocean survey
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Hydrographic Department, Maritime Safety Agency of Japan

6. REMARKS

SERIAL NUMBER 45

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

1. PERIOD

June 24, 1976 to September 24, 1976

(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) Present or future engagement in planning and administration of construction works
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and Practical training
 - Construction of railways in Japan
 - Maintenance of Tracks and structures:
 - Modern method and techniques of track maintenance for higher speed and low cost, reinforcement of track structures, inspection of structures of track, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 48

SHIPPING BUSINESS (海運経営実務)

1. PERIOD

July 1, 1976 to August 29, 1976

(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 knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 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 ship building industry
 - Education, training and management for seamen
 - Shipping conference and management of liner operation
 - Bill of lading, charter party, marine insurance, etc.
 - In-service training at shipping company
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Shipping Bureau, Ministry of Transport

6. REMARKS

SERIAL NUMBER 65

NAVIGATION AIDS (航路標識)

1. PERIOD

August 26, 1976 to October 30, 1976 (2-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) High school graduate or equivalent
- 2) Administrator in the field of navigation aid 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 and air wet batteries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Maritime Safety Agency

6. REMARKS

SERIAL NUMBER 81

TOURISM B (SEMINAR) (観光セミナーB)

1. PERIOD

September 9, 1976 to November 2, 1976 (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

Lectures, Practical Training and Visits:

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

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 83

SUBWAY ENGINEERING (地下铁道工学)

1. PERIOD

September 16, 1976 to November 14, 1976 (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

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Construction planning of subway
 - Design of subway structure
 - Construction method of subway
 - Management of construction work
 - Track and track 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 89

METEOROLOGY (気象学)

1. PERIOD

September 30, 1976 to January 31, 1977

(4-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

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

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Mechanism of rainfall
 - Recent Typhoon theory
 - Introduction to numerical weather prediction
 - Forecasting of rainfall, Typhoon
 - Global telecommunications system and ADESS facilities
 - Radar observation and utilization of radar data
 - Tidal theory and observation, ocean wave forecasting, coastal disaster prevention
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 104

**RAILWAY ELECTRIFICATION AND
HIGH SPEED OPERATION** (鉄道電化高速運転)

1. PERIOD

October 14, 1976 to December 5, 1976 (2-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University, college or technical school 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

Lectures, Practical Training and Visits:

- 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 permanentway
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 112

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

1. PERIOD

November 4, 1976 to December 10, 1976 (1-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

Lectures, Practical Training and Visits:

- 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

- 1) Bureau of Seafarers, Ministry of Transport

6. REMARKS

SERIAL NUMBER 114

PHYSICAL OCEANOGRAPHIC
SURVEY (海洋物理探査)

1. PERIOD

November 4, 1976 to March 16, 1977 (4.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 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

- 1) *Hydrographic Department, Maritime Safety Agency*

6. REMARKS

SERIAL NUMBER 128

RAILWAY SIGNAL ENGINEERING (鉄道信号)

1. PERIOD

February 10, 1977 to June 15, 1977

(4-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

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

6. REMARKS

SERIAL NUMBER 105

TRAFFIC POLICE ADMINISTRATION (交通警察)

1. PERIOD

October 14, 1976 to December 3, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Presently engaged in traffic police in the central or local police organization
- 2) Have a good command of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Inspections
 - Traffic safety education
 - Traffic law enforcement
 - Disposition related to traffic accidents and violations
 - Techniques to control and regulate traffic
 - Traffic Engineering
 - Administration of Drivers
 - Presentation of country reports
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

SERIAL NUMBER 6

TELEPHONE NETWORK PLANNING & DESIGNING

(電話網計画設計)

1. PERIOD

April 1, 1976 to July 12, 1976

(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 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 29

TELEVISION BROADCASTING MANAGEMENT

(テレビ放送管理)

1. PERIOD

May 13, 1976 to June 24, 1976

(1.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Staff higher than division-chief engaged in administrative and planning department of a television broadcasting organization
- 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 in Japan
 - Problem in broadcasting
 - Management of NIKK
 - Subscriber's fee system
 - Public opinion research
 - Necessary personnel training
 - Broadcasting engineering
 - Present situation of commercial broadcasting
 - Management of commercial broadcasting
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 32

CARRIER TELEPHONY ENGINEERING (搬送電話)

1. PERIOD

May 13, 1976 to August 23, 1976

(3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University or college graduates
- 2) Qualified in their respective fields (telecommunication administrations or common carrier organizations)
- 3) Under 40 years of age

4. DESCRIPTION OF TRAINING

- (1) Lectures and Practical Training
 - 1) Transmission system
 - 2) Frequency division multiplex systems
 - 3) Application technique
- (2) Observation Tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph & Telephone Public Corporation

6. REMARKS

SERIAL NUMBER 33

HIGH FREQUENCY RADIO ENGINEERING FOR
FIXED TELEGRAPH & TELEPHONE SERVICES (短波無線)

1. PERIOD

May 13, 1976 to August 3, 1976

(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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) *Lectures and practical training*
 - International HF communication system
 - Design of HF communication circuit
 - HF Communication equipment
 - Maintenance management and circuit administration
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 42

RADIO MONITORING (電波監視)

1. PERIOD

June 10, 1976 to July 24, 1976

(1.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - 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
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 44

TELEPHONE OUTSIDE PLANT
ENGINEERING (電話線路)

1. PERIOD

June 24, 1976 to October 4, 1976

(3-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

Lectures, Practical Training and Visits:

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

5. FACILITIES AND INSTITUTIONS

- 1) Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 50

TELEVISION ENGINEERING (テレビ放送技術)

1. PERIOD

July 8, 1976 to October 11, 1976 (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) 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 broadcast techniques, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Radio Regulatory Bureau, Ministry of Posts and Telecommunications
- 2) NHK Central Training Institute and other NHK facilities

6. REMARKS

SERIAL NUMBER 51

RADIO BROADCASTING ENGINEERING (ラジオ放送技術)

1. PERIOD

July 22, 1976 to September 9, 1976

(1.5-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

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Outline of Broadcasting administration
 - Allocation and technical standard of radio frequency
 - Transmission system
 - Radio frequency circuit
 - Tube circuit
 - Medium wave transmitter
 - Radio propagation
 - Practical training with Radio Transmitter
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 52

EDUCATIONAL TELEVISION
PROGRAMME (教育テレビ番組)

1. PERIOD

July 22, 1976 to October 11, 1976 (3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University or College graduates
- 2) Qualified in their respective fields (as a program director)
- 3) Occupational experience of 1 to 3 years
- 4) Under 30 years of age

4. DESCRIPTION OF TRAINING

- (1) Lectures, Discussions and Practical Training
 - 1) Planning and composition of educational TV programme
 - 2) Educational TV programme production
 - 3) Special effects for educational TV programme production, TV arts, etc.
- (2) Observation Tours

5. FACILITIES AND INSTITUTIONS

NIH Central Training Institute

6. REMARKS

SERIAL NUMBER 57

**MICROWAVE COMMUNICATION
ENGINEERING (I)** (マイクロウェーブ I)

1. PERIOD

August 5, 1976 to November 15, 1976 (4-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
 - Microwave propagation
 - FM TV transmission theory
 - FM multiple telephone transmission theory
 - Antenna and feeder for microwave communications
 - Diversity reception
 - Power plant for microwave communication
 - Others
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 67

ELECTRONICS (電子工学)

1. PERIOD

August 26, 1976 to December 18, 1976

(4-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Analysis techniques of materials by X-ray diffraction
 - Applications of laser light
 - Logical designs of digital equipment
 - Discharge deterioration test of plastic film materials and measurement of discharge amount
 - Thin film technology
 - Applications of ultrasonics power
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Osaka International Training Center, JICA
- 2) Osaka Prefectural Industrial Research Institute

6. REMARKS

SERIAL NUMBER 72

**TELEX COMMUNICATION
ENGINEERING** (テレックス通信)

1. PERIOD

September 2, 1976 to December 17, 1976 (3.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Telegraph transmission system
 - Basic planning of telex system
 - Electronic telex exchange
 - Telegraphy equipment
 - Maintenance management
 - Maintenance and testing of telex network
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 73

SATELLITE COMMUNICATION
ENGINEERING (II) (衛星通信Ⅱ)

1. PERIOD

September 2, 1976 to December 4, 1976

(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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Practical Training
 - 1) Introduction
 - 2) Transmission system
 - 3) Facilities
 - 4) Operation and maintenance
 - 5) INTELSAT
 - 6) Planning of earth station construction
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 84

**MICROWAVE COMMUNICATION
ENGINEERING (II)** (マイクロウェーブⅡ)

1. PERIOD

September 16, 1976 to December 27, 1976

(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 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Microwave propagation
 - FM TV transmission theory
 - FM multiple telephone transmission theory
 - Antenna and feeder for microwave communications
 - Diversity reception
 - Power plant for microwave communication
 - Others
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 107

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

1. PERIOD

October 15, 1976 to October 29, 1976 (2-Week)

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 Post and Telecommunications

6. REMARKS

TELEPHONE SWITCHING ENGINEERING (電話交換)

1. PERIOD

November 4, 1976 - February 21, 1977 (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 40 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 systems
 - Electronic switching systems
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 116

**BROADCASTING ADMINISTRATION
FOR ASIAN COUNTRIES (SEMINAR) (放送幹部セミナー)**

1. PERIOD

November 7, 1976 to November 20, 1976 (2-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

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
 - 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 120

SATELLITE COMMUNICATION
ENGINEERING (I) (衛星通信 I)

1. PERIOD

January 6, 1977 to April 4, 1977

(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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures, Practical Training
 - 1) Transmission system
 - 2) Facilities
 - 3) Operation and maintenance
 - 4) INTELSAT
 - 5) Planning of earth station construction
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 122

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

1. PERIOD

January 6, 1977 to March 26, 1977

(3-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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction (International communication traffic and system in Japan, future services, international data communication service, etc.)
 - Services and operation of telegraph, telex and telephone
 - Other services (leased channel, AUTOMEX, DATEL, etc.)
 - Telephone and telex traffic management
 - Traffic demand forecast
 - Circuit planning
 - Traffic system
 - Accounting procedures
 - ITU and INTELSAT
 - Telecommunication statistics
 - Personnel administration and wages
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

SERIAL NUMBER 131

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

1. PERIOD

March 1, 1977 to March 14, 1977

(2-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

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

Ministry of Posts & Telecommunications

6. REMARKS

SERIAL NUMBER 132

TELECOMMUNICATION DEVELOPMENT (SEMINAR)

(電気通信開発セミナー)

1. PERIOD

March 10, 1977 - March 24, 1977 (2-week)

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
 - The up-to-date situation and topics in the field of telecommunication in Japan
 - Present situation and future 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

- 1) The Ministry of Posts and Telecommunications
- 2) Tokyo Prince Hotel

6. REMARKS

14. MEDICAL TREATMENT AND WELFARE

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SERIAL NUMBER 34

INFORMATION, EDUCATION AND COMMUNICATION
IN FAMILY PLANNING (SEMINAR)

(家族計画広報教育セミナー)

1. PERIOD

June 3, 1976 to June 28, 1976

(4-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Qualified in their respective fields
- 3) Present or future officers for information, education and communication in family planning of government or voluntary organizations at central or provincial level
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Family planning in Japan
 - Information, education and communication activities in Japan
 - Information, education and communication activities in participating countries
 - Education and mass media
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japanese Organization for International Cooperation in Family Planning

6. REMARKS

SERIAL NUMBER 39

TUBERCULOSIS CONTROL (結核対策)

1. PERIOD

June 3, 1976 to October 13, 1976

(4-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Preferably ex-participants of the group training course in Tuberculosis Control held at the Research Institute of Tuberculosis, Tokyo during the period of 1963 to 1973 but non-ex-participants will also be invited if necessary.
- 3) Present engagement in tuberculosis control programs.
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Seminars, discussions, workshops, etc.
 - Progress and problems in the participants' TB programs
 - Simulation of TB epidemiology
 - Problems of the workload in the integrated TB services
 - Target setting in the TB program
 - Evaluation of TB programs
 - Recent advances in TB control
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- Research Institute of Tuberculosis
- Japan Anti-Tuberculosis Association

6. REMARKS

SERIAL NUMBER 40

MICROBIAL DISEASES (微生物病研究)

1. PERIOD

June 3, 1976 to March 25, 1977

(10-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

Research Institute for Microbial Diseases, Osaka University

6. REMARKS

SERIAL NUMBER 62

TROPICAL EPIDEMIOLOGY (熱帯疫学)

1. PERIOD

August 19, 1976 to May 31, 1977

(9.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates with doctor degree or licentiate with equivalent degree
- 2) Present engagement in the field of medicine or public health
- 3) Under 40 years of age
- 4) Good working knowledge of English

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

6. REMARKS

SERIAL NUMBER 68

HEALTH AND BIOLOGICAL ASPECTS
IN FAMILY PLANNING (SEMINAR) (家族計画医学保険セミナー)

1. PERIOD

August 26, 1976 to September 22, 1976 (4-Week)

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) With sufficient command of spoken and written English.

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 center
 - Family planning and maternal and child health center
 - 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 100

CLINICAL ONCOLOGY (がん対策)

1. PERIOD

October 7, 1976 to March 2, 1977

(5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Licenced physician
- 2) Under 35 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 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
 - Radiosotope
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

National Cancer Center

6. REMARKS

SERIAL NUMBER 103

COMMUNITY BASED FAMILY PLANNING
(SEMINAR)

(家族計画組織活動セミナー)

1. PERIOD

October 7, 1976 to November 3, 1976

(4-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Presentations and discussions
 - Family planning in Japan
 - Family planning programs in relation to the logistics of each participating country
 - Main theme:
 - How to supply contraceptives 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 110

**LABORATORY WORKS FOR
TUBERCULOSIS CONTROL (結核対策細菌技術指導者)**

1. PERIOD

October 21, 1976 to February 17, 1977

(3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Physicians engaged in national tuberculosis control programs, except for those who are actually engaged in clinical work
- 2) Under 51 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tuberculosis control programs
 - Role of laboratory work in tuberculosis control programs
 - 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

- Research Institute of Tuberculosis
- Japan Anti-Tuberculosis Association

6. REMARKS

SERIAL NUMBER 111

EARLY GASTRIC CANCER DETECTION (早期胃癌診断)

1. PERIOD

October 21, 1976 to December 22, 1976 (2-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Practically experienced for more than 5 years 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 125

RADIOGRAPHY (レントゲン技術)

1. PERIOD

January 6, 1977 to May 28, 1977

(4-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

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

6. REMARKS

SERIAL NUMBER 130

FAMILY PLANNING ADMINISTRATION FOR
SENIOR OFFICERS IN ASIA (SEMINAR)

(アジア家族計画指導者セミナー)

1. PERIOD

February 17, 1977 to March 13, 1977

(4-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior officers or executive members who are responsible for family planning programs of governments or voluntary organizations at a central level,
- 2) With sufficient command of English.

4. DESCRIPTION OF TRAINING

- 1) Discussions
 - Background information on family planning
 - Organizational structure
 - Budget and personnel
 - Evaluation
 - Communication and information
 - Logistics
 - International cooperation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Japanese Organization for International Cooperation in Family Planning (JOICFP)

6. REMARKS

15. MANAGEMENT TECHNOLOGY

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SERIAL NUMBER 20

SMALLER ENTERPRISE DEVELOPMENT
(SEMINAR) (中小企業開発セミナー)

1. PERIOD

May 6, 1976 to July 31, 1976

(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) *Good working knowledge of English*

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Regional development
 - Industrial estate development planning
 - Financing and managerial guidance
 - Small industries and export trade promotion
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 69

INDUSTRIAL DESIGN (デザイン)

1. PERIOD

September 2, 1976 to October 31, 1976

(3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

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 Center

6. REMARKS

SERIAL NUMBER 119

**SMALLER ENTERPRISE DEVELOPMENT
AND MANAGEMENT** (中小企業経営管理)

1. PERIOD

January 6, 1977 to March 17, 1977

(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 45 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 International Training Center, JICA
- 2) Osaka Prefectural Government
- 3) The Osaka Prefectural Institute for Industrial Management

6. REMARKS

16. ECONOMY, FINANCE AND MONEY

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Taxation (seminar) (seminar course)	166
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SERIAL NUMBER 31

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

1. PERIOD

May 13, 1976 to July 12, 1976

(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 5 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Trade promotion
 - Japanese economy and trade
 - World trade (Japan) and Asia, Near and Middle East and Africa
 - Trade business practice
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The World Trade Center of Japan, Inc. (WTC)

6. REMARKS

SERIAL NUMBER 77

INDIRECT TAXATION (間接税)

1. PERIOD

September 9, 1976 to November 30, 1976

(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) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Japanese taxes
 - Tax system of Japan on indirect tax
 - Tax administration of Japan on indirect tax
 - Comparative study on tax system and administration in Asian countries
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Finance
- 2) National Tax Administration Agency

6. REMARKS

SERIAL NUMBER 78

DIRECT TAXATION (直接税)

1. PERIOD

September 9, 1976 to November 30, 1976 (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) Good working knowledge of English
- 4) Occupational experience of more than 5 years (preferably in Direct Taxation)

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - 1) Taxation in Japan in relation to its social historical and economic background.
 - 2) Direct taxation in Japanese Tax System and its administration.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Finance
- 2) National Tax Administration Agency
- 3) Tokyo International Centre, JICA

6. REMARKS

SERIAL NUMBER 91

CUSTOMS TECHNIQUES (SEMINAR) (税関行政セミナー)

1. PERIOD

September 30, 1976 to November 14, 1976

(1.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

- 1) Customs and Tariff Bureau, Ministry of Finance
- 2) Tokyo International Center, JICA

6. REMARKS

SERIAL NUMBER 95

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

1. PERIOD

September 30, 1976 to November 29, 1976 (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 5 years
- 4) 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

- 1) The World Trade Center of Japan, Inc. (WTC)

6. REMARKS

SERIAL NUMBER 98

TAXATION (SEMINAR) (租税上級)

1. PERIOD

October 3, 1976 to October 17, 1976

(2-Week)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) Engaged in tax planning or administration
- 2) Directors or assistant directors of departments in National Tax Administration Agencies

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Comparative study of tax system and administration in Asian countries
 - Tax system and administration of Japan
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Finance
- 2) National Tax Administration Agency

6. REMARKS

SERIAL NUMBER 87

DEVELOPMENT ECONOMIST
(INDUSTRIAL PROJECT)

(開発エコノミスト工業)

1. PERIOD

September 23, 1976 to November 23, 1976

(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) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Financial planning of development projects, financial and economic analysis
 - Current situation of development, study of industrial policy
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) The International Development Center of Japan

6. REMARKS

17. LABOUR

Supervisory Training (seminar)	171
High Skilled Machinist	172
Vocational Training Instructors	
(1) Machinery Course	173
(2) Electrical Course	174
(3) Electronics Course	175
(4) Woodworking Course	176
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Offset Printing	178
Welding Engineering	179
Vocational Training (seminar)	180
Industrial Safety and Health (seminar)	181
Public Administration Officers on Women's Problems (seminar)	182

SERIAL NUMBER 8

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

1. PERIOD

April 8, 1976 to June 5, 1976

(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) Between 30 and 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- i) Lectures and practical training
 - Present situation and problems of vocational training
 - Japanese labor economy
 - Policy for manpower development
 - Supervisor and human relations
 - Supervisory training
 - Responsibility and qualification of supervisory
 - Foremen training
 - Vocational training center
 - Supervisor and productivity
 - Audio visual aid
 - Foreman training within industry
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 13

HIGH SKILLED MACHINIST (上級技能者訓練)

1. PERIOD

April 15, 1976 to March 18, 1977

(10.5-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical or trade school graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of 3 to 6 years
- 4) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Mechanical Engineering
 - Mechanical Processing
 - Production Engineering
 - Measurement
 - Drawing
 - Supervisory training
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Higashi-yodogawa Advanced Vocational Training Centre, Osaka Prefectural Government

6. REMARKS

SERIAL NUMBER 38

VOCATIONAL TRAINING INSTRUCTORS
(MACHINERY COURSE)

(職業訓練指導員養成)(運輸装置)

1. PERIOD

June 3, 1976 to March 29, 1977

(10-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

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Mechanics and mechanism
 - Strength of materials
 - Metals and metal technology
 - Machine tools
 - Mechanical processing
 - Measuring and testing
 - Hand finishing
 - Machine tool operation
 - Mechanical experiment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 38

VOCATIONAL TRAINING INSTRUCTORS
(ELECTRICAL COURSE)

(職業訓練指導員養成)(電 氣)

1. PERIOD

June 3, 1976 to March 29, 1977

(10-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
 - Power generation, transmission, distribution and substation
 - Electric machinery
 - Power electronics
 - Illumination
 - Design of house wiring
 - Electrical wiring construction
 - House wiring
 - Switch panel wiring
 - Assembling and testing of transformer and motor
 - Electrical measurement
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 38

VOCATIONAL TRAINING INSTRUCTORS
(ELECTRONICS)

(職業訓練指導員養成)(電子)

1. PERIOD

June 3, 1976 to March 29, 1977

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

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

Lectures, Practical Training and Visits:

- 1) Lectures and practical training
 - Semi-conductor devices
 - Electronic circuit
 - Logical circuit
 - High frequency measurement
 - Radio wave propagation
 - Computer
 - TV engineering
 - Electrical communication engineering
 - Electronical circuit experiment
 - Logic circuit experiment
 - Transistor radio experiment
 - TV receiver experiment
 - Computer experiment
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 38

VOCATIONAL TRAINING INSTRUCTORS
(WOODWORKING COURSE)

(職業訓練指導員養成) (木材加工)

1. PERIOD

June 3, 1976 to March 29, 1977

(10-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
 - Planning and design
 - Materials
 - Wood processing (Operation of woodworking machines, cutting processes, glue connections and plywood processes, and paint and painting)
 - Hand processing (Adjustment of hand tools, gluing processes, sanding and finishing)
 - Mechanical processing
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 38

VOCATIONAL TRAINING INSTRUCTORS
(AUTOMOTIVE COURSE)

(職業訓練指導員養成) (機械)

1. PERIOD

June 3, 1976 to March 29, 1977

(10-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forty-five (45) for 5 courses

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
 - Mechanics and mechanism
 - Strength of materials
 - Metals and metal technology
 - Engineering thermodynamics
 - Internal combustion engines
 - Automobiles mechanism
 - Automobile engineering
 - Outline of electrical engineering
 - Repair of motor vehicles
 - Engine performance test
 - Automobile performance test
 - Mechanical experiment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 56

OFFSET PRINTING (印刷技術)

1. PERIOD

August 5, 1976 to November 30, 1976

(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) Between 25 and 35 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

- 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 Association of Graphic Arts Technology

6. REMARKS

SERIAL NUMBER 96

WELDING ENGINEERING (溶接技術セミナー)

1. PERIOD

September 30, 1976 to March 31, 1977

(6-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 of classified welding processes
 - Electrical arc welding
 - Welding machinery and equipment, and their application
 - Aluminum alloys welding processes
 - Welding theory, design and inspection methods
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

SERIAL NUMBER 96

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

1. PERIOD

October 7, 1976 to December 17, 1976

(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) Over 30 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

- 1) Tokyo International Center, JICA

6. REMARKS

SERIAL NUMBER 101

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

1. PERIOD

October 7, 1976 to November 17, 1976 (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) 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 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 Center, JICA

6. REMARKS

SERIAL NUMBER 129

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

1. PERIOD

February 10, 1977 to March 9, 1977

(1-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 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Labor (Women's and Minors' Bureau)
- 2) Tokyo International Center

6. REMARKS

18. INFORMATION SCIENCE

Computer Technology 185

SERIAL NUMBER 88

COMPUTER TECHNOLOGY (コンピューター技術)

1. PERIOD

September 23, 1976 to December 22, 1976 (3-Month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Having fundamental knowledge of FORTRAN programming and be intend on learning fundamental COBOL programming and advanced FORTRAN programming and practice
- 2) Being preferably under 40 years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits:

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

5. FACILITIES AND INSTITUTIONS

The Asia Electronics Union, Tokyo

6. REMARKS

GROUP TRAINING COURSES AND SEMINARS FOR 1976 BY GOVERNMENT OF JAPAN

JAPAN INTERNATIONAL COOPERATION AGENCY

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates												Institutions and Facilities			
			4	5	6	7	8	9	10	11	12	1	2	3				
(1)	Vegetable Crops Production	9.5	Feb.12								30							Uchihara International Agricultural Training Center, JICA
(2)	Irrigation and Drainage	9.5	Feb.12								30							ditto
(3)	Rice Cultivation and its Extension	9.5	Mar. 4										22					ditto
(4)	Rice Production Mechanization	9.5	Mar. 4										22					ditto
5	Coastal Fisheries Extension	11	1													28		Kanagawa International Fisheries Training Center, JICA
6	Telephone Network Planning and Designing	3.5	1				12											Nippon Telegraph and Telephone Public Corporation (NTT)
7	Ceramic Claze and Decoration	6	8							30								National Industrial Research Institute, Nagoya, MITI
8	Supervisory Training (Seminar)	2	8		5													Vocational Training Bureau, Ministry of Labour
9	Agricultural Extension Service	3	8				10											Japan Agricultural Extension Association
10	Treatment of Offenders	3	8				14											Asia and Far East Institute for the Prevension of Grime and the Treatment of Offenders
11	Metal Finishing Engineering	6	8							30								National Industrial Research Institute, Nagoya, MITI
12	Coins, Decoration MFG., Metal Analysis and Precious Metal Refining	3.5	15				30											Mint Bureau, Ministry of Finance
13	High Skilled Machinist	11	15														18	Higashi Yodogawa General Vocational Training Center, Osaka Prefectural Government
14	Poultry Development	5	22								3							Okazaki National Poultry Breeding Station, MAF
15	Thermal-Electric Power Engineering	3	29				24											MITI, Overseas Electric Industry Survey Institute Inc.
16	Hydro-Electric Power Engineering	3	29				24											ditto
17	Marine Fisheries Research (I)	6	29										6					Tokai Regional Fisheries Research Laboratory, Fishery Agency
18	Artificial Insemination for Cattle	6	29								23							The Fukushima National Livestock Breeding Station, MAF
19	Tourism B (Seminar)	2	6		29													Tourism Department, Ministry of Transport
20	Smaller Enterprise Development (Seminar)	3	6				31											Nagoya International Training Center, JICA
21	Control of Rice Diseases and Insects	6	6											15				Hyogo Agricultural Research Center
22	Animal Health Research	6.5	6											16				National Institute of Animal Health, MAF

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates													Institutions and Facilities		
			4	5	6	7	8	9	10	11	12	1	2	3				
23	Off-shore Prospecting	7		6									11					Geological Survey of Japan, MITI
24	Construction Machinery Engineering	3		6			8											Ministry of Construction
25	Textile Engineering (Weaving)	7.5		6									25					NIRI, Nagoya, MITI
26	Hydrographic Survey	6		6							8							Hydrographic Department, Maritime Safety Agency
27	Foundry Engineering	7.5		13									25					NIRI, Nagoya, MITI
28	Water Works Engineering	3		13			13											Japan Water Works Association
29	Television Broadcasting Management	1.5		13	24													International Cooperation Office, Ministry of Ports and Telecommunication (MPT)
30	Ports and Harbours (Seminar)	2		13			18											Bureau of Ports and Harbours, Ministry of Transport
31	Trade Promotion A (Seminar)	2		13			12											World Trade Center of Japan
32	Carrier Telephony Engineering	3.5		13				23										NTT
33	High Frequency Radio Engineering for Fixed Telegraph and Telephone Service	2.5		13				3										Kokusai Denshin Denwa Co., Ltd. (KDD)
34	Information, Education and Communication in Family Planning (Seminar)	1			3-28													Japanese Organization for International Cooperation in Family Planning Inc. (JOICEP)
35	Economic Development (Seminar)	1.5			3	13												Economic Planning Agency
36	Agricultural Machinery Maintenance and Repair	6			3								5					Member Plants of Japan Agricultural Machinery Manufactures Association
37	Fisheries Co-operatives	6			3								30					Kanagawa International Fisheries Training Center, JICA
38	Vocational Training Instructors (Machinery, Electric, Electronics, Wood Working and Automotive)	10			3												29	Institute of Vocational Training
39	Tuberculosis Control	4.5			3					13								The Research Institute of Tuberculosis
40	Microbial Diseases	10			3												25	Osaka University Research Institute for Microbial Diseases
41	Mining Engineering	5.5			10								20					The Japan Mining Industry Association
42	Radio Monitoring	1.5			10	22												International Cooperation Office, MPT
43	Geodesy	6			10								11					Geographical Surveying Institute, Ministry of Construction
44	Telephone Outside Plant Engineering	3.5			24					4								NTT

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates													Institutions and Facilities	
			4	5	6	7	8	9	10	11	12	1	2	3			
45	Maintenance and Improvement Engineering of Permanent Ways	3			24			24									Japanese National Railways
46	Agricultural Land and Water Resources Development	2				1	28										Agricultural Structure Improvement Bureau, MAF
47	Diesel Railway Rolling Stock Engineering	3.5				1			10								Japanese National Railways
48	Shipping Business	2				1	29										Shipping Bureau, Ministry of Transport
49	Marine Environment	2				1	22										Tokai University
50	Television Engineering	3				8			11								NHK Central Training Institute
51	Radio Broadcasting Techniques	1.5				22	9										International Cooperation Office, MPT
52	Educational Television Programme	2.5				22			11								NHK Central Training Institute
53	Electric Power Distribution	3				29			21								MITI, Overseas Electric Industry Survey Institute Inc.
54	River Engineering	4				29				27							River Bureau, Ministry of Construction
55	Tile Manufacturing Technology	8				5									31		NIRI, Nagoya, MITI
56	Offset Printing	4				5				30							Japan Printing Association
57	Microwave Communication Engineering I	3.5				5				15							NTT
58	Solid Waste Processing and Disposal	2				5			13								Japan Environmental Sanitation Center
59	Port and Harbour Engineering	4.5				5						18					Bureau of Ports and Harbours, Ministry of Transport
60	Bridge Engineering	3				5			25								Road Bureau, Ministry of Construction
61	Ground Water Resources	4				19						17					Geological Survey of Japan, MITI
62	Tropical Epidemiology	9.5				19								May 31'77			Kobe University
63	Agricultural Statistics	3				19				13							Statistics and Information Department, MAF
64	Fire Service Administration	2				26				30							Fire Defence Agency
65	Navigation Aids	2				26				30							Maritime Safety Agency
66	Geothermal Energy	2.5				26				15							Kyuushuu University
67	Electronics	4				26						18					Industrial Research Institute, Osaka Prefectural Government
68	Health and Biological Aspects in Family Planning (Seminar)	1				26	22										JOICFP
69	Industrial Design	3						2	31								Japan Industrial Design Promotion Organization

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates											Institutions and Facilities				
			4	5	6	7	8	9	10	11	12	1	2		3			
70	Business Feasibility Study and Management Practice	7							2								31	Central Japan Industries Association
	Marine Fisheries Research II	6.5							2								14	Tokai Regional Fisheries Research Laboratory, Fishery Agency
71	Rice Processing	3							2			4						Japan Rice Millers Association
72	Telex Communication Engineering	3.5							2				17					KDD
73	Satellite Communication Engineering II	3							2			4						ditto
74	Water Pollution Control and Sewage Works Engineering	3							2				11					City Bureau, Ministry of Construction
75	Freshwater Fish-culture and Propagation Research	3.5							2				25					Freshwater Fisheries Research Laboratory, Fishery Agency
76	Afforestation Techniques and Administration	3							9				15					Forestry Agency
77	Indirect Taxation	3							9			30						National Tax Administration Agency
78	Direct Taxation	3							9			30						ditto
79	Administration of Criminal Justice	3							9				17					Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders
80	Seismology and Earthquake Engineering	11							9						Aug.14'77			Building Research Institute, Ministry of Construction
81	Tourism B (Seminar)	2							9		2							Tourism Department, Ministry of Transport
82	Prevention of Narcotic Offences (Seminar)	1							16		23							National Police Agency
83	Subway Engineering	2							16			14						TEITO Rapid Transit Authority
84	Microwave Communication Engineering II	3.5							16				27					NTT
85	Pollution Control Technology (Seminar)	1							16		25							International Affairs Division, Environmental Agency
86	Statistics (General Course)	6							23								31	Asian Statistical Institute, UN
87	Development Economist (Industrial Project)	.2							23			23						International Development Center of Japan
88	Computer Technology	3							23				22					The Asia Electronics Union
89	Meteorology	4							30						31			Japan Meteorological Agency
90	Aerodrome (Seminar)	1							30		7							Civil Aviation Bureau, Ministry of Transport
91	Customs Techniques (Seminar)	1.5							30			14						Customs and Tariff Bureau, Ministry of Finance

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates													Institutions and Facilities	
			4	5	6	7	8	9	10	11	12	1	2	3			
92	Plastic Technics	5.5							30							15	Osaka Municipal Technical Research Institute
93	Metrology and Measurement Standards	6							30							29	National Research Laboratory of Metrology
94	Refractory Manufacturing Technology	6							30							31	NIRI, Nagoya, MITI
95	Trade Promotion B (Seminar)	2							30	29							World Trade Center of Japan
96	Welding Engineering	6							30							31	Japan Welding Society, Tokai Branch
97	Agricultural Co-operatives	3							30		21						Institute for Development of Agricultural Cooperation in Asia
98	Taxation (Seminar) (Seminar Course)	2 W							3	17							National Tax Administration Agency
99	Vocational Training (Seminar)	2.5							7		17						Vocational Training Bureau, Ministry of Labour
100	Clinical Oncology	5							7						2		National Cancer Center
101	Industrial Safety and Health (Seminar)	1.5							7	17							Labour Standards Bureau, Ministry of Labour
102	Highway Construction (Seminar)	1.5							7	20							Road Bureau, Ministry of Construction
103	Community Based Family Planning (Seminar)	1							7	3							JOICFP
104	Railway Electrification and High Speed Operation	2							14		5						Japanese National Railways
105	Traffic Police Administration	1.5							14		3						Traffic Bureau, National Police Agency
106	City Planning	2							14		18						City Bureau, Ministry of Construction
107	Telecommunication Management	2 W							15	29							International Cooperation Office, MPT
108	Electric Power Management	2							21		20						The Chubu Electric Power Co.
109	Shipbuilding	3							21						Jun. 20'77		Ship Bureau, Ministry of Transport
110	Laboratory Works for Tuberculosis Control	4							21						17		Research Institute of Tuberculosis
111	Early Gastric Cancer Detection	2							21		22						Association for Early Gastric Cancer Detection
112	Administration for Seaman's Education	.1							4		10						Ministry of Transport
113	Telephone Switching Engineering	3.5							4						21		NTT
114	Physical Oceanographic Survey	4.5							4						16		Hydrographic Department Maritime Safety Agency
115	Ceramic Engineering	11							4						Sep.30'77		NIRI, Nagoya, MITI
116	Broadcasting Management (Seminar)	2 W							7	20							International Cooperation Office, MPT

No.	Subjects of Courses	Duration (Month)	Starting and Terminating Dates													Institutions and Facilities	
			4	5	6	7	8	9	10	11	12	1	2	3			
117	Electrical Steel Making	3												6		31	NIRI, Nagoya, MITI
118	Industrial Standardization and Quality Control	3												6		30	Agency of Industrial Science and Technology, Japanese Standard Association
119	Smaller Enterprise Development and Management	2.5												6		17	Osaka Prefectural Government, The Osaka Prefectural Institute for Industrial Management
120	Satellite Communication Engineering I	3												6		Apr. 4	KDD
121	Leather Tanning Techniques	8												6		Aug.10	Hyogo Prefectural Leather Tanner Institute
122	International Telegraph and Telephone Traffic	3												6		26	KDD
123	Wood Industrial Machinery Engineering	3												6		31	Industrial Research Institute, Aichi Prefecture
124	Metal Works and Engineering	9												6		Sep.30'77	NIRI, Nagoya, MITI
125	Radiography	4												6		May.28	Osaka University
126	Prevention and Treatment of Crime and Delinquency (Seminar) (Senior Class)	1.5													10	28	Asia Far East Institute for the Prevention of Crime and the Treatment of Offenders
127	Environmental Executives' Seminar	1													10	20	International Affairs Division, Environment Agency
128	Railway Signal Engineering	4													10-Jun.	15	Japanese National Railways, Japan Association of Signal Industries
129	Public Administration Officers on Women's Problems (Seminar)	1													10	12	Women and Minors Bureau, Ministry of Labour
130	Family Planning Administration for Senior Officers in Asia (Seminar)	1													17	13	JOICFP
131	Postal Executives (Seminar)	2W														1-14	Postal Bureau, MPT
132	Telecommunication Development (Seminar)	2W														10-24	International Cooperation Office, MPT
133	Local Government	3													16-Jun.	15	Local Autonomy College, Ministry of Home Affairs
	Vegetable Crops Production	9.5													10-Nov.	28	Uchihara International Agricultural Training Center, JICA
	Irrigation and Drainage	9.5													10-Nov.	28	ditto
	Rice Cultivation and its Extension	9.5													2-Dec.	20	ditto
	Rice Production Mechanization	9.5													2-Dec.	20	ditto

