

SCIENCE AND CULTURE

REMOTE SENSING TECHNOLOGY (FUNDAMENTAL)

リモート・センシング技術(基礎)

1. PERIOD

May 14, 1991 to July 20, 1991 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be university graduates, or the equivalent with a fundamental knowledge of physics and mathematics,
- 2) be researchers or engineers in remote sensing application fields, such as country planning, agriculture, forest management and mapping,
- 3) be preferably under thirty-five (35) years of age,
- 4) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

1) Lectures

- Remote Sensing Activities in Japan
 - Japanese Space Activities --
 - Overview of Remote Sensing Activities in Japan --
- General Introduction
 - Basic Principles of Remote Sensing --
- Remote Sensing, as a Tool for Agriculture Resource Management
- Remote Sensing Application in Geological Survey
- Japanese Ground Station for Earth Observation Satellites
- Data Processing of Meteorological Satellite
- Image Processing System
- Sensor & Platforms
- Outline of the Observation Satellites
- Geometric Correction Theory and Technology
- Global Monitoring Information

2) Practice

- Personal Computer System and Programming for Image Processing
- Geometric Correction Theory and Technology
- Image Analysis with a Personal-Computer
- Digital Image Analysis

3) Ground Truth Investigation

4) Field Evaluation

5) Report Making

6) Observation Tours

7) Country Report Presentation

8) ISPRS COMMISSION IV

- International Symposium on Cartographic and Data Base Applications of Photogrammetry and Remote Sensing

5. FACILITIES AND INSTITUTIONS

Remote Sensing Technology Center of Japan (RESTEC)

6. REMARKS

1. PERIOD

April 11, 1991 to October 7, 1991 (6.0 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Master's degree or bachelor's degree with as much academic knowledge and technical experience as the former, and have majored chemistry, biochemistry, agricultural chemistry, food chemistry or applied microbiology
- 2) Three (3) or more years of experience in fermentation technology or enzyme technology
- 3) Between 25 and 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and experimental training
 - Purification of enzymes
 - Properties of enzyme
 - Study of enzymes
 - Application of enzymes
 - Individual Study
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Osaka Municipal Technical Research Institute (OMTRI)

6. REMARKS

No. 268

**MEDICAL AND BIOLOGICAL APPLICATION OF RADIATION
AND RADIOISOTOPES** アイソトープ・放射線の医学・生物学利用

1. PERIOD

August 20, 1991 to September 29, 1991 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) have occupational experience of more than several years in radiation handling and be expected to be engaged in this field after returning to their countries,
- 2) have a sufficient command of spoken and written English,
- 3) be under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Source of ionizing radiation
 - Interaction of radiation
 - Biological and medical effects of radiation, etc.
- 2) Practices
 - Setting-up of GM counter
 - Gamma ray spectrometry
 - Beta ray counting
 - Safe handling of radioisotopes, etc.
- 3) Study Tour

5. FACILITIES AND INSTITUTIONS

- 1) National Institute of Radiological Sciences
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

January 7, 1992 to May 25, 1992 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

Applicants should:

- 1) be presently engaged in research work and have more than four (4) years of occupational experience in this field,
- 2) be university graduates or have the equivalent academic background,
- 3) have a sufficient command of spoken and written English,
- 4) be not less than twenty-six (26), and not more than forty (40) years of age,

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - a) General view on biotechnology
 - General view on genetics
 - General view on biology
 - Structures and functions of genes
 - Gene manipulation, etc.
 - b) Present situation of application of biotechnology
 - General view on food chemistry
 - General view on chemistry and technology of agricultural products
 - General view on fermentation technology
 - General view on pesticide science
 - Screening and collection of plant genes
 - Introduction to biological catalysts, etc.
- 2) Experiment and practice
 - a) Biotechnology utilizing microorganisms
 - Screening of microorganisms from nature and their identification
 - b) Breeding of microorganisms by artificial mutation
 - Breeding of microorganisms by gene engineering
 - Isolation of DNA and its manipulation
 - Gene recombination and production of useful substances, etc.
 - b) Biotechnology utilizing plants
 - Plant tissue culture
 - Plant cell fusion
 - Virus-free cell culture and cell technology, etc.
- 3) Observation tour
 - Sake brewing companies, sugar refinery companies, food companies in the traditional biotechnology field and factory-style plant producing companies, protected agricultural fields, gene banks, biotechnological production institutes, etc.

5. FACILITIES AND INSTITUTIONS

- 1) Faculty of Agriculture, Kobe University
- 2) Biotechnology Laboratory, Hyogo Prefectural Agricultural Institute
- 3) Hyogo International Centre, JICA

6. REMARKS

No. 270

PRACTICE OF SCIENCE EDUCATION 科学教育実技研修

1. PERIOD

June 13, 1991 to August 6, 1991 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) be university graduates or have an equivalent academic background (14 years school career).
- 2) be presently engaged in teaching science at secondary school or investigating in institute/university/college
- 3) be not more than thirty five (35) years old
- 4) have a sufficient command of spoken and written English
- 5) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the course
- 6) be in the promising position in science education.

The administrative officers are not qualified for this programme.

3. DESCRIPTION OF TRAINING

- 1) Lectures and Practical Training:
 - Basic Principle of Science
 - Practice Concerning Physics
 - Practice Concerning Chemistry
 - Practice Concerning Biology
 - Practice Concerning Earth Science
 - Practice Concerning Educational Technology
(Include Computer Operating)
- 2) Study Tour
 - Typical Natures in Japan
(Volcano, Hot Spring, Stalactite grottos, etc.)
 - Educational Facilities
(Science museum, Automobile Factory, etc.)

5. FACILITIES AND INSTITUTIONS

Hiroshima University

6. REMARKS

MEDICAL TREATMENT

TUBERCULOSIS CONTROL II 結核対策Ⅱ

1. PERIOD

June 10, 1991 to October 14, 1991 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) Medical officers who are engaged in the national tuberculosis control programme, preferably having, or going to have, a leading role in the programme, excluding those who are engaged in pure clinical work
- 2) A sufficient command of spoken and written English
- 3) Between 26 and 45 years of age

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association (JATA)

6. REMARKS

Japanese Language Course is arranged for two weeks

No. 272

TUBERCULOSIS CONTROL FOR ADMINISTRATIVE MEDICAL OFFICERS

結核対策指導者

1. PERIOD

May 6, 1991 to June 24, 1991 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Medical officers who are or are planned to be, in charge tuberculosis control programme of a certain administrative level
- 2) A sufficient command of spoken and written English
- 3) Between 30 and 50 years of age

4. DESCRIPTION OF TRAINING

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

5. FACILITIES AND INSTITUTIONS

The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association (JATA)

6. REMARKS

LABORATORY WORKS FOR TUBERCULOSIS CONTROL 結核対策細菌技術

1. PERIOD

September 23, 1991 to February 10, 1992 (4.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Either one of the following three items
 - a) Qualified technicians experienced over two years of laboratory works in bacteriology
 - b) Doctors with over one year of experience in laboratory works in bacteriology
 - c) Senior technicians with over five years of experience in laboratory works in tuberculosis bacteriology
- 2) Engaged in the training of health personnel in laboratory works for tuberculosis control, or those who will be engaged in that after returning from the training course
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Tuberculosis control programme
 - Role of laboratory works in tuberculosis control programme
 - Accuracy control of laboratory examinations
 - Laboratory data control
 - Present status and problems in the laboratory works in tuberculosis control programmes of participants' countries
 - Essential experiences as a leading bacteriologist on laboratory techniques and methods for tuberculosis control
 - Maintenance and manipulation of microscope and other laboratory equipments
 - Principles of planning and establishment of bacteriological laboratories at various conditions
 - Principles of training method of laboratory techniques
 - Modern techniques useful for bacteriological laboratories for tuberculosis control
 - Visits to laboratories and institutions
 - Organization of laboratory services
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association (JATA)

6. REMARKS

Japanese Language Course is arranged for three weeks.

1. PERIOD

September 2, 1991 to December 8, 1991 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Licenced physicians with occupational experience of more than 2 years in diagnosis and treatment of cancer
- 2) Under 35 years of age
- 3) Engaged in the same field after return to the country
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Outline of cancer control in Japan
 - Fundamental research on cancer
 - Clinical Pathology
 - Biochemistry and immunology
 - Endocrinology
 - Chemotherapy
 - Diagnosis and treatment of cancer
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) National Cancer Center
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 275

EARLY GASTRIC CANCER DETECTION AND RELATED
DIGESTIVE TUMORS II

早期胃癌診断Ⅱ

1. PERIOD

January 13, 1992 to March 11, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

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

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - General radiology
 - Endoscopy
 - Histopathology
 - Chemotherapy
 - Echography
 - Diagnosis of cancer of the liver
 - Diagnosis of cancer of the pancreas, gallbladder and case studies
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Foundation for Detection of Early Gastric Carcinoma

6. REMARKS

BLOOD TRANSMITTED DISEASES, Special Reference to
AIDS, ATL & Hepatitis 血液由来感染症

1. PERIOD

June 24, 1991 to August 5, 1991 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) have a license physician authorized by their government
- 2) to hold relatively senior position and be engaged in the field of BTB
- 3) be not more than 40 years old
- 4) have a sufficient command of spoken and written English*

* For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points.

4. DESCRIPTION OF TRAINING**1) Lectures****a) AIDS & ATL**

- Virology of HIV and HTLV-I
- Epidemiology and Control of AIDS
- Clinical Features Diagnosis of AIDS
- Treatment of AIDS
- Epidemiology of ATL
- Clinical Features and Diagnosis of ATL
- Treatment of ATL
- HTLV-I Associated Myelopathy (HAM)
- Infection of HTLV-I by Blood Transfusion
- Maternal Transmission of HTLV-I to Child
- HTLV-I and Related Disorders
- AIDS in Japan and its Control

b) Hepatitis B and Hepatitis C

- Virology of Hepatitis
- Pathology of Viral Hepatitis
- Vaccine and Viral Hepatitis
- Viral Hepatitis
- Clinical Features of Hepatitis B and C
- Diagnosis of Hepatitis B
- Epidemiology and Control of Hepatitis B and C

- Treatment of Hepatitis B
- Hepatitis C
- Liver Cirrhosis and Hepatoma

2) Special Lectures

- Communicable Disease Control Programme in the Area of International Cooperation
- Discovery of ATL

3) Practice

- Screening of HTLV-I and HTLV-III Virus
- Blood Morphology of ATL
- HTLV-I Associated Myelopathy (HAM)
- Hepatitis C
- Screening of HBs-Ag, HBs-Ab, HC-Ab

4) Case Conference**5) Field Trips****6) Discussion and Group Study****5. FACILITIES AND INSTITUTIONS**

- 1) Foundation for Development of International Health
- 2) Kumamoto National Hospital

6. REMARKS

No. 277

CLINICAL TRAINING FOR PATIENTS CARE OF INFECTIOUS DISEASES

感染症患者臨床研修

1. PERIOD

January 6, 1992 to March 28, 1992 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) be licensed physicians authorized by their governments, and have clinical experience of more than three years,
- 2) have a sufficient command of spoken and written English,
- 3) be between 27 and 32 years of age,

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - National policy on infectious diseases control in Japan
 - Pharmaceutical administration
 - Vaccination System
 - General aspects of infectious diseases
 - Hospital-acquired infectious diseases
 - Disinfection, sterilization and aseptic procedure
 - Management of patients with infectious diseases
 - Aseptic care in the field of nursing
 - Diagnostic examination of infectious diseases
 - Bio-clean room
 - Tuberculosis and leprosy control in Japan
 - Antibiotics, anti-viral and anti-fungal agents
 - Blood-borne diseases
 - Hepatitis
 - Sexually transmitted diseases (STD)
 - Isolation of patients
- 2) Visit to other facilities

5. FACILITIES AND INSTITUTIONS

- 1) The National Medical Centre Hospital
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

**MANAGEMENT OF REAGENTS & CULTURE MEDIA IN DIAGNOSIS OF
INFECTIOUS DISEASES**

感染症の試薬及び培地の確保と管理

1. PERIOD

November 4, 1991 to May 18, 1992 (6.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) be a medical doctor or have a baccalaureate on Pharmacology, Agriculture, and Biology and at the same time, a manager of middle level or above. The work should be related to this training course.
- 2) have a sufficient command of spoken and written English*
- 3) be in good health, both physically & mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the training.
- 4) be not more than 50 years old

*For an example, it is desirable to hold TOEFL (Test of English as a Foreign Language) score more than 500 points.

4. DESCRIPTION OF TRAINING

- | | |
|---|--|
| <ol style="list-style-type: none"> 1) Basic Lecture <ul style="list-style-type: none"> - Production of Antiserum, Antigen and Toxin - Serological Diagnosis of Toxic Diseases - Quality Control of Antisera, Antigens and Toxins - Arrangement of Bacteriological Culture Media - Quality Control of Biological Products - Safety Control of Microbiological Experiments - The Use of Reagents for the Diagnosis of Infectious Diseases - Delivery System of Diagnostic Immunesera, Culture Media, Diagnostic Antisera and Other Reagents - Introduction of Bacteriology - Bacteriology - Virus - Antibiotics sensitivity test - Toxicity Test - Food Hygenic Test - Water Hygenic Test | <ol style="list-style-type: none"> 2) Special Lecture <ul style="list-style-type: none"> - Control of Infectious Diseases in the Developing Countries - Some Aspects on Recent Bacterial Infectious Diseases - Supply of Reagents for the Control of Infectious Diseases - Bacterial Toxins - Official Approval for Vaccine 3) Practice <ul style="list-style-type: none"> - Sterilization, Stains - Production of Antiserum for Laboratory Diagnosis (V. Cholera, E. Coli, Salmonella) Drug Susceptibility - Isolation and Identification of Bacteria - Isolation and Identification of Viruses, and Others - Production of Culture Media, Control of Reagents - Quality Control and Delivery of Reagents and Culture Media 4) Group Discussion/Work, Free Discussion 5) Field Trips |
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5. FACILITIES AND INSTITUTIONS

- 1) Foundation for Development of International Health
- 2) Kumamoto Prefectural Institute of Public Health
- 3) Kumamoto University Medical School
- 4) Chemo-Sero-Therapeutic Research Institute
- 5) Kumamoto Municipal Institute of Public Health

6. REMARKS

No. 279

ADVANCED MICROBIAL DISEASES STUDY 上級微生物病研究

1. PERIOD

September 26, 1991 to August 24, 1992 (11 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) Master's or doctor's degree or equivalent knowledge in microbial diseases, or ex-participants of the JICA Group Training Course in Microbial Diseases
- 2) Under forty-five (45) years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

The latest information and most advanced techniques in the field of Microbiology, Virology, Parasitology, Molecular Biology, Genetic Engineering, etc. will be provided through individual study, practical training, observation and study tours. This course is intended for senior researchers of microbial diseases who have experience of at least 5 years in their specialized field.

5. FACILITIES AND INSTITUTIONS

Research Institute for Microbial Diseases, Osaka University

6. REMARKS

No. 280

PEDIATRICS AND PEDIATRIC SURGERY 小兒専門医療

1. PERIOD

February 17, 1992 to June 20, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Licensed physicians authorized by their government
- 2) Under 35 years of age, and have occupational experience of more than two years in pediatrics or pediatrics surgery
- 3) Engaged in the same field after return to their countries
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

1) Lectures

- a) General Pediatrics
- b) Pediatrics
- c) Pediatrics Surgery

(All participants are requested to have lectures on selected subjects in Pediatrics and Pediatrics Surgery irrespective of their own speciality.)

2) Clinical Training on Diagnosis and Treatment

- a) Basic Training
- b) Pediatrics
- c) Pediatrics Surgery

(All Participants are requested to select either Pediatrics or Pediatrics Surgery.)

5. FACILITIES AND INSTITUTIONS

- 1) National Children's Hospital
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

1. PERIOD

October 14, 1991 to November 29, 1991 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) be responsible for the national polio eradication programme or a person of equivalent position
- 2) have a sufficient command of spoken and written English
- 3) be in good health, both physically and mentally, to undergo the training. Pregnancy is regarded as a disqualifying condition for participation in the training.
- 4) be not more than 50 years old

4. DESCRIPTION OF TRAINING

- 1) Basic Lectures
 - Virology, Epidemiology, Pathology, Diagnosis and Clinical Features of Poliomyelitis
 - Quality Control of Polio Vaccine
 - Practice, Record and Analysis of Surveillance and its Feedback
- 2) Special Lectures
- 3) Symposium on Factors of Success in Polio Eradication Programme
- 4) Programme Management
 - Surveillance for Poliomyelitis Eradication
 - Polio Eradication Information Systems and Evaluation
 - Polio Eradication Programme and EPI in Brazil
- 5) Case Study
 - Analysis of History of the Past Eradication Programmes
 - Elements Needed for the Success of Polio Eradication Programme
- 6) Simulation of Field Action, Management of Field Programme
- 7) Field Trips
 - The Chemo-Sero Therapeutic Research Institute, Kumamoto
 - Japan Poliomyelitis Research Institute, Tokyo
 - National Institute of Health, Tokyo
 - Institute for Virus Research, Kyoto Univ.
 - Research Institute for Microbial Diseases, Osaka Univ.

5. FACILITIES AND INSTITUTIONS

- 1) Foundation for Development of International Health,
- 2) Education and Training Institute, Kumamoto Hospital,
- 3) Kumamoto University Medical School,
- 4) Chemo-Sero-Therapeutic Research Institute,
- 5) Department of Public Health and Hygiene,
- 6) Kumamoto Prefectural Government

6. REMARKS

TECHNOLOGY FOR NEONATAL AND INFANTILE SCREENING

新生児・乳児マス・スクリーニング検査技術

1. PERIOD

November 21, 1991 to February 20, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

Applicants should:

- 1) be medical doctor or have a doctorate in medical science and also be planning to organize neonatal or infantile screening
- 2) have a sufficient command of both spoken and written English
- 3) be under 40 years of age (in principle)
- 4) be in good health, both physically and mentally, to pursue the study. Prognancy is regarded as disqualifying condition for participation in the course.

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - General remarks
 - Diagnosis and treatment
 - Testing methods
 - Quality control and quality assurance
 - Data processing by micro-computer
- 2) Practice
 - Inborn errors of metabolism (phenyl ketonuria, homocystinuria, maple sylop urine disease, galactosemia)
 - Congenital hypothyroidism and congenital adrenal hyperplasia
 - Neuroblastoma
- 3) Observations
 - Hokkaido University, Sapporo Medical College and National Sapporo Hospital in which diagnosis and treatment are conducted
 - Another screening centers in Japan

5. FACILITIES AND INSTITUTIONS

Sapporo City Institute of Public Health

6. REMARKS

1. PERIOD

May 13, 1991 to August 5, 1991 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be dentists who have three years' professional or academic experience or more in the field of academic institution, health administration or practice.
- 2) be presently engaged or expected to be working on their return in this line.
- 3) be not more than 40 years old.
- 4) have a sufficient command of spoken and written English.

4. DESCRIPTION OF TRAINING

- 1) Dental Care Delivery System and Dental Public Health Service in Japan.
- 2) Dental Care for Children and Adolescent
- 3) Dental Caries
- 4) Periodontal Disease
- 5) Prosthetics
- 6) TMJ Arthrosis
- 7) Oral Cancer
- 8) Cleft Lip and Palate
- 9) Dental Materials and Clinical Practices in the Up-To-Date Dental Medicine
- 10) Advancement in Basic Dentistry
- 11) Presentation of Out-come Acquired by Each Participant through the Course

5. FACILITIES AND INSTITUTIONS

Faculty of Dentistry, Kyushu University

6. REMARKS

1. PERIOD

January 9, 1992 to July 24, 1992 (7 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University or college graduates or equivalent
- 2) Experience of more than 2 years in radiography at medical organizations with fundamental knowledge of physiology
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Fundamental theories in radiography
 - Radiation physics
 - Photographic chemistry
 - Medical X-ray engineering
 - Radiation control and radiation measurement
 - Radiography technique
 - Radiation picture
 - Computer
 - Radiation diagnosis
- 2) Clinical practice on radiography
- 3) Observations
- 4) Study trips

5. FACILITIES AND INSTITUTIONS

- 1) College of Biomedical Technology, Osaka University
- 2) Osaka University Hospital

6. REMARKS

1. PERIOD

October 24, 1991 to February 16, 1992 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) University graduates or equivalent,
- 2) Occupational experience of more than 5 years in their profession,
- 3) Be presently engaged in practices of clinical laboratory or radiology,
- 4) Under forty (40) years of age,
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Japanese language
- 2) Joint Training
 - Introduction to medical science
 - Introduction to the team care system
- 3) Training Curriculum for Clinical Laboratory Technology Group
 - Lecture on Basic Theory
 - Observation on Quality Control, etc.
 - Lecture and Practice on various bacteria testing technologyTraining Curriculum for Medical Imaging Technology Group,
 - Latest Information on clinical imaging
 - Quality control of clinical images
 - Evaluation method of analogue imaging
 - Latest clinical imaging equipment
 - Radiology management
 - Clinical Practice
 - Maintenance and management of diagnostic equipment
- 4) Field Trip

5. FACILITIES AND INSTITUTIONS

- 1) Japan International Medical Technology Foundation
- 2) The Japan Association of Radiological Technologists Education Centre
- 3) Japanese Association of Medical Technologists
- 4) Related Institutes

6. REMARKS

1. PERIOD

January 20, 1992 to March 1, 1992 (1.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) be presently engaged in, or be candidates for the top management in hospital administration, or government officials working in health services management
- 2) be University graduates or have the equivalent academic background
- 3) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Workshop
 - Hospital Administration
 - Personnel and Labour management
 - Medical Administration
 - Facilities Administration
 - Pharmacies Administration
 - Medical Evaluation
 - Nurse Administration
- 2) -- Observation

5. FACILITIES AND INSTITUTIONS

National Institute of Health Services Management

6. REMARKS

No. 287

FOOD MICROBIAL CONTROL 食品微生物検査技術

1. PERIOD

January 7, 1992 to May 25, 1992 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experienced of more than 3 years in the field of food microbial control.
- 2) Under forty (40) years of age.
- 3) Good working knowledge of English.

4. DESCRIPTION OF TRAINING

- 1) Discussion on country report, programme orientation and evaluation meeting
- 2) Lectures
 - Government organization and law concerned with food sanitation
 - Contamination of Food
 - Washing, sterilizing and disinfection
 - Sanitary testing for food
 - Bacteriological examination
- 3) Practice
 - Measuring of colon bacillas
 - Measuring of mold and yeast fungus
 - Preparation of medium
 - Bacteriological examination for food poisoning
- 4) Observation of private and public facilities related to food microbial control
- 5) Study Tours

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo International Centre, JICA
- 2) Kobe Women's College of Pharmacy
- 3) Public Health Research Institute of Kobe
- 4) Kobe Quarantine Station

6. REMARKS

IMPORT AND EXPORT FOOD INSPECTION 輸出入食品検査技術

1. PERIOD

August 13, 1991 to December 6, 1991 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than 3 years in the field of import and export food inspection.
- 2) Under forty (40) years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Discussion on Country Report, Programme Orientation, Evaluation Meeting and Closing Ceremony, etc.
- 2) Lectures
 - Present situation of import and export food
 - Food Sanitation Law
 - Inspection system for import and export food
 - Inspection system in domestic market
 - Rejected cases of import and export food
 - Food ingredient and its testing method
- 3) Practice
 - Chemical and bacteriological testing of import and export foods mentioned below by official method
 - Marine products
 - Canned food
 - Confectionary
 - Vegetables
 - Packaging material
 - Others
- 4) Observation of private and public facilities related to food inspection in and around Kobe
- 5) Study Tours

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo International Centre (HIC), JICA
- 2) National Institute of Hygienic Sciences (Osaka), Ministry of Health and Welfare
- 3) Kobe Quarantine Station

6. REMARKS

No. 289

MYCOTOXIN INSPECTION IN FOOD 輸出入食品マイコトキシン検査

1. PERIOD

February 20, 1992 to May 25, 1992 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

Applicants should:

- 1) be presently engaged in research work and have more than four (4) years of occupational experience in this field,
- 2) be university graduates or have the equivalent academic background,
- 3) have a sufficient command of spoken and written English,
- 4) be no less than thirty (30), and not more than forty (40) years of age,

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Food Sanitation
 - Laws and regulations on mycotoxin control
 - Inspection of mycotoxin
 - Isolation and analysis of mycotoxin
- 2) Experiment and practice
 - Inspection of fungi
 - Analysis and quantitative method of mycotoxin
 - Analysis of aflatoxin
 - Analysis of fusarium mycotoxin
 - Analysis of other mycotoxin
 - Analysis of food additives
- 3) Observation tour
 - Mycotoxin control in food processing plant

5. FACILITIES AND INSTITUTIONS

- 1) Hyogo International Center, JICA
- 2) Public Health Research Institute of Kobe
- 3) Kobe Women's College of Pharmacy
- 4) Osaka Prefectural Institute of Public Health

6. REMARKS

No. 290

SEMINAR ON PARASITE CONTROL ADMINISTRATION FOR SENIOR OFFICERS

寄生虫予防指導者セミナー

1. PERIOD

January 20, 1992 to February 19, 1992 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior Level Administrators or Experts in Government or Private Sector in Charge of Parasite Control
- 2) Medical or Other Related Professions
- 3) Under 55 years of age
- 4) Working Knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Presentation and Discussion
 - National Parasite Control Programme in Japan
 - Parasite Control Activities by Voluntary Organization
- 2) Country Presentation and Discussion
- 3) Presentation on the Epidemiological Aspect of Parasite Control
- 4) Demonstration of the Examination Method for Mass Examination and Treatment
- 5) Field Trip

5. FACILITIES AND INSTITUTIONS

- 1) Japan Association of Parasite Control
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

NURSING ADMINISTRATION 看護管理

1. PERIOD

Not conducted in 1991

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Completed JICA Training Course in "Specialized Nursing" from 1986 to 1987, or "Advanced Nursing Study Course for Southeast Asian Nurses" from 1973 to 1987.
- 2) Presently engaged in nursing administration or expected to engage in future.
- 3) A sufficient Command of spoken and written English and Japanese.

4. DESCRIPTION OF TRAINING

- 1) Japanese Language
- 2) Lectures
 - Health and welfare administration
 - Nursing administration in Japan
 - Basic knowledge of administration
 - Development of creativity and nursing service administration
 - Hospital administration
 - Principles of nursing administration
 - Personnel management
 - Nursing service management
 - Management of in-service education
- 3) Practical Training
 - Hospital administration
 - Nursing administration
- 4) Study Tours

5. FACILITIES AND INSTITUTIONS

The International Nursing Foundation of Japan (INFJ)

6. REMARKS

The course is conducted every other year.

SPECIALIZED NURSING 専門看護

1. PERIOD

September 24, 1991 to July 21, 1992 (10 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

Applicants should:

- 1) be completed the fundamental nursing education programme of three years or more
- 2) have an experience in nursing practice for five (5) years or more and desirably have experienced, at least for one year, in the field of the specialized nursing which the participant is to apply for,
- 3) be under thirty-five (35) years of age
- 4) have a sufficient command of spoken and written English
- 5) be in good health, both physically and mentally, to undergo the training course, Pregnancy is regarded as a disqualifying condition for participation in the course

4. DESCRIPTION OF TRAINING

The purpose of the course is to offer promising nurses in the developing countries an opportunity to acquire advanced knowledge & technology of specialized nursing (ICC/CCU, Public Health Nursing) through lectures & field studies (on the job training) so as to enhance the quality of nurses and eventually to contribute to needs in the area of human resource development of the respective country.

5. FACILITIES AND INSTITUTIONS

- 1) The International Nursing Foundation of Japan
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

Japanese Language Course is arranged for three months.

1. PERIOD

August 22, 1991 to February 24, 1992 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) Certified staff nurses who have more than five (5) years of experience
- 2) Staff nurse (head nurses and chief nurses are not applicable)
- 3) Not be over forty (40) years of age
- 4) A sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Common Programmes
 - Japanese Language (2 months)
 - General Orientation
 - Emergency Nursing
 - Observation (Tour)

- 2) Specialized Sub-Course Programmes
Applicants are requested to select one sub-course from four sub-courses below:

- a) *Emergency Nursing Training*
 - Surgical Ward (Including OPD)
 - ICU
 - CCU
 - Neurosurgery
 - Emergency Room

- b) *Internal Medicine Nursing Training*
 - Cardiovascular System
 - Digestive System
 - Respiratory System
 - ICU
 - Medical Ward (Including OPD)
 - Emergency Room

- c) *Surgical Nursing Training*
 - Neurosurgery
 - Orthopedics
 - Operating Room
 - ICU
 - Surgical Ward (Including OPD)
 - Emergency Room

- d) *Maternal and Child Nursing Training*
 - Obstetrics (Including NB)
 - Pediatric
 - NICU
 - OPD
 - Emergency Room

5. FACILITIES AND INSTITUTIONS

- 1) Okinawa Prefectural Chubu Hospital
- 2) Okinawa International Centre (OIC), JICA

6. REMARKS

1. PERIOD

August 15, 1991 to December 13, 1991 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Licensed physicians authorized by their governments
- 2) Under 35 years of age
- 3) Professional experience of more than 2 years in diagnosis and treatment of cardiovascular diseases
- 4) To be engaged in the same field after return to their countries
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
- 2) Discussions
- 3) Observations
- 4) Practices of laboratory examinations in each department or division
- 5) Study tours

The participants will choose a department or division according to their interests and specialities to do studies on diagnosis and treatment in the respective department or division.

5. FACILITIES AND INSTITUTIONS

The National Cardiovascular Center, Ministry of Health and Welfare

6. REMARKS

NATIONAL HEALTH ADMINISTRATION SEMINAR 衛生行政セミナー

1. PERIOD

May 9, 1991 to June 7, 1991 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) Medically qualified top ranking administrators of the national government in charge of health administration, or the equivalents in public institutions
- 2) In a position to participate in planning and deciding the national health administration policy
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture & Discussion
 - Health policy & Planning
 - Health Resources Development Management
 - Community Health
 - Infectious Diseases Control
 - Environmental Health & Hygienes
 - International Collaboration
- 2) Observation Tours
 - Observe the actual health services in the community

5. FACILITIES AND INSTITUTIONS

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

1. PERIOD

June 20, 1991 to February 24, 1991 (8 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience of more than three years
- 2) Presently engaged in research work as a laboratory technologist in the field of public health
- 3) Under forty (40) years of age
- 4) Sufficient command of both spoken and written English

4. DESCRIPTION OF TRAINING

- 1) General Orientation
- 2) Intensive Japanese Language
- 3) Group Training Programme
 - Programme Orientation
 - General Introduction of Okinawa
 - Presentation
 - Study Tour
- 4) Individual Training Programme
 - a) Air Pollution
 - ① Chemical and Instrumental Analysis of Air Pollution
 - ② Odor
 - ③ Noise and Vibration
 - ④ Analysis of Asbestos, Heavy Metals, Radioactivity, Smoke, Doot and Acid Rain
 - ⑤ General Information on Air Pollution
 - b) Water Pollution
 - ① Water Pollution Control Measures
 - ② Sampling
 - ③ Analysis of Water and Bed Quality
 - ④ Observation of
 - Drainage
 - Sewerage
 - and Excreta Treatment Facilities systems
 - c) Food Chemistry
 - ① Analysis of Food Additives
 - ② Determination of Metals in Food
 - ③ Test of Drinking Water
 - ④ Analysis of Pesticide Residues in Food
 - ⑤ Determination of Rancid Food Poisons
 - ⑥ Others
 - d) Infections Diseases
 - ① Diagnostic Procedures for Bacterial Infections Isolation Identification and Serological Tests of Enterobacteria, Vibrios, Leptospira and others
 - ② Diagnostic Procedures for Viral Infections Isolation and Serological Examination of Arboviruses, Enteroviruses, Myxoviruses and others
 - e) Medical Entomology and Parasitology
 - ① Classification, Identification, Ecological Observation, and Control of Flies, Mosquitos, Fleas, Lice, Ticks, Cockroaches, Rats and Mice
 - ② Laboratory Examination and Epidemiological Investigation of Malaria, Filaria, in Testinal Parasite and Zoonosis
 - f) Snake Venom and Antivenom
 - ① Fractionation of Snake Venom
 - ② Experimental Production of Snake Antivenom
 - Immunization of Animals
 - Purification of Antibody
 - ③ Assay of Snake Antivenom
 - Titration of Antilethal Units
 - Titration of Antihemorrhagic Units
 - Titration of Antiswelling Units
 - g) Venomous Snake Control
 - ① Approach to Snake Bite As One of The Public Health Problems
 - ② Epidemiology of Snake Bites
 - ③ Ecological Survey of Venomous Snakes
 - ④ Biological Studies of Snakes
 - ⑤ Reading and Handling Snakes

5. FACILITIES AND INSTITUTIONS

- 1) Okinawa Prefectural Institute of Public Health
- 2) Okinawa International Centre (OIC), JICA

6. REMARKS

Applicants are requested to select desired subject from the training subjects mentioned below and fill in first and second choice subject in the A-3 Form

- | | |
|------------------------|--|
| 1) Air Pollution | 5) Medical Entomology and Parasitology |
| 2) Water Pollution | 6) Snake Venom and Antivenom |
| 3) Food Chemistry | 7) Venomous Snake Control |
| 4) Infectious Diseases | |

No. 296

SEMINAR ON HUMAN RESOURCES DEVELOPMENT IN PUBLIC HEALTH

公衆衛生教育

1. PERIOD

January 15, 1992 to February 4, 1992 (19 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Either one of the following items
 - Director or dean of school of public health
 - Chief of the educational courses/programs at school of public health
 - Governmental officials who have responsibility for human resources development in public health
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and studies
 - Modern history of public health in Japan
 - Public health personnels in health administration systems in Japan
 - Human resources development in public health and the role of the Institute of Public Health in Japan
 - Human resources development and institutional capacity (special topic)
 - International cooperation for appropriate technology transfer and human resources development
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

The Institute of Public Health, Ministry of Health and Welfare

6. REMARKS

Participants will be required to submit the country-report on the special topic mentioned above in advance.

1. PERIOD

August 5, 1991 to December 8, 1991 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be physicians or university graduates with more than 3 years' professional or academic experience
- 2) be presently engaged or expected to be working on their return in this field.
- 3) be under 40 years old
- 4) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures for Occupational Health
 - the General Principles of Occupational and Environmental Health
 - Occupational Epidemiology and Biostatistics
 - Occupational Health in Agriculture
 - Occupational Diseases
 - Occupational Disorders due to Physical Factors
 - Occupational Toxicology
 - Work Physiology and Psychology
 - Ergonomics and Management
 - Evaluation of Work Environment
 - Control of Work Environment
 - Occupational Safety and Health Administration and Law
 - Occupational Health Services
- 2) Biostatistics and Data Management with Computer Course
- 3) Two Weeks Elective Seminar Course
 - Some participants will be assigned to the special course on pneumoconiosis at the Rosai Hospital for Silicosis or assigned to departments in the UOEH according to their interests
- 4) Country Report Presentation
- 5) Observation Tours

5. FACILITIES AND INSTITUTIONS

- 1) University of Occupational and Environmental Health, Japan
- 2) Keihai Rosai Hospital

6. REMARKS

1. PERIOD

January 20, 1992 to September 28, 1992 (8 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) be a medical doctors or graduates from a faculty of biology, pharmacy or agriculture, or equivalent with more than 3 years of occupational experience in medical field.
- 2) be more than 24 years old and under 40 years old
- 3) have a sufficient command of spoken and written English
- 4) be presently engaged either in the Ministry of Health or medical research laboratory

4. DESCRIPTION OF TRAINING

The course recommends an applicant to receive an intensive research training in a given department of the institute. Each department offers some conceivable research subjects on interest to the applicant. The applicants are allowed a free choice in the research subjects.

Although the training course includes the lectures, the majority of the course consists of the experimental basic research works under the guidance of the members of the institute.

The research subjects which are offered in 1991 by each department are as follows. The following subjects will be available in the course.

Pathology, Environmental Physiology, Parasitology, Virology, Bacteriology, Internal Medicine, Medical Entomology, Protozoology.

5. FACILITIES AND INSTITUTIONS

- 1) Institute for Tropical Medicine, Nagasaki University
- 2) Kagoshima University
- 3) Kumamoto University
- 4) Oita Medical College

6. REMARKS

1. PERIOD

May 9, 1991 to March 30, 1992 (11 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) College or university graduates or equivalent
- 2) Occupational experience of more than 3 years in developing and manufacturing biological products
- 3) under thirty-five (35) years of age
- 4) to be engaged in the same field after return to home countries
- 5) A good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures on vaccine manufacture and quality control in general
- 2) Individual study including practical training in manufacture of a specified vaccine chosen by each participant
- 3) Observations and study tours

5. FACILITIES AND INSTITUTIONS

The Research Foundation for Microbial Diseases of Osaka University

Kan-onji Institute, The Research Foundation for Microbial Diseases of Osaka University

6. REMARKS

No. 300

MAINTENANCE ENGINEERING FOR MEDICAL EQUIPMENT

医療機器保守管理技術

1. PERIOD

August 19, 1991 to September 23, 1991 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University of electrical and electronic technology graduates or have the equivalent academic background
- 2) Have a personal experience of maintenance on X-ray equipment
- 3) Have thorough knowledge of two-pulse X-ray generation and combined radiographic devices
- 4) Under forty (40) years of age
- 5) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Practice
 - Normal operation of conventional diagnostic X-ray apparatus
 - Routine maintenance of diagnostic X-ray apparatus
 - Troubleshooting and repairing of diagnostic X-ray apparatus
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

- 1) Japan Association for the Advancement of Medical Equipments
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 301

SEMINAR ON EMERGENCY/DISASTER MEDICINE

救急・大災害医療セミナー

1. PERIOD

November 14, 1991 to December 2, 1991 (0.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) Executive doctor or administrator engaged in measures for emergency/disaster medicine and taking leadership in emergency medical institutions or medical administrative organizations
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Participation in the 19th annual meeting of the Japanese Association for Acute Medicine
- 2) Lectures
 - The emergency medical service system in Japan
 - Health consequences of A-bomb radiation exposure
 - Epidemiology and response to
- 3) Observations
 - Japan Red Cross Medical Center
 - Suita City Health Center
 - Suita Municipal Hospital
 - Osaka Prefectural Senri Critical Care Medical Center
 - Department of Traumatology, Osaka University
 - Nippon Poison Information Center
 - Osaka Municipal Fire Department
 - Amagasaki Municipal Fire Department
 - Amagasaki Night/Holiday Clinic
- 4) Discussions
 - Prehospital care
 - Disaster preparedness and response

5. FACILITIES AND INSTITUTIONS

Japanese Association for Acute Medicine

6. REMARKS

SEMINAR ON EVALUATION OF DRUG EFFICACY

医薬品の効果判定セミナー

1. PERIOD

March 9, 1992 to June 21, 1992 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be a pharmacist or medical doctor or university graduate of pharmacy, medicine or veterinary
- 2) be a manager of middle level or above in this field, or be those who are to be appointed as the manager of evaluation of drug efficacy, or supporting advisor
- 3) have a sufficient command of English
- 4) be 45 years old or less

4. DESCRIPTION OF TRAINING

- 1) Evaluation of Traditional Medicine
 - Examination for Effective Substance
 - Separation and Analysis of Effective Substance
- 2) Development of New Drugs
 - Screening test (Pharmacological and Toxicological studies)
 - Mechanism of actions
- 3) Drug Disposition and Pharmacokinetic Analysis
 - Drug Interaction
 - Drug Disposition in Disease State
- 4) Dosage Forms and Administration
 - Improvement of Pharmaceutical properties
 - Design and Evaluation of Advanced Dosage Forms
- 5) Hospital Pharmacy
 - Drug Information (Clinical Effects and Adverse Reactions)
 - Clinical Pharmacokinetics
- 6) Simulation of Field Action, Management of Field Programme
- 7) Field Trips
 - National Institute of Health, Tokyo
 - Taisho Pharmaceutical Co. Ltd., Tokyo
 - Takeda Chemical Industries, Osaka
 - The Chemo-Sero Therapeutic Research Institute, Kumamoto
 - Panapharm Laboratories, Kumamoto

5. FACILITIES AND INSTITUTIONS

- 1) Foundation for Development of International Health
- 2) Education and Training Institute, Kumamoto Hospital
- 3) Faculty of Pharmaceutical Sciences, Kumamoto University
- 4) Kumamoto University Medical School
- 5) Kumamoto Prefectural Government

6. REMARKS

1. PERIOD

March 23, 1992 to November 30, 1992 (8 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) have practical experiences of more than 3 years in health and hygiene work
- 2) be between 30 and 40 years old
- 3) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Practical Training
 - Health and Medical Care System
 - Emergency Medical Care
 - Data Processing Methods for Health Insurance Schemes in Medical Care
 - Analysis of Disease Incidence
 - Screening of Diseases (Early Detection and Treatment)
 - Measures for Infectious Diseases
 - Measures for Health Promotion
 - Rehabilitation
 - Planning for Improvement of Health in Communities
 - Methods of Developing Educational Media
- 2) Study Trip
- 3) Japanese Language (2 months)

5. FACILITIES AND INSTITUTIONS

St. Mary's Junior College, Kyushu Industrial Health Association, St. Mary's Hospital.

6. REMARKS

No. 304

**SEMINAR ON THE CONTROL OF HEALTH HAZARDS IN THE
MODERNIZING PROCESS OF AGRICULTURE AND RURAL AREA**

農村近代化過程の健康障害対策セミナー

1. PERIOD

January 20, 1992 to March 23, 1992 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) be a medical doctor or a co-medical staff and, at the same time, a manager of middle level or above in the office or in the field with more than 5 years experiences. The work should be related to this training course.
- 2) be not more than 50 years old
- 3) have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) *Basic Lectures and Practice*
 - Modernization and Public Health in Rural Area
 - Importance of Health Policies and Primary Health Care in Rural Area
 - Problems on Agricultural Chemicals
 - Health Problems in the Modernizing Process of Agriculture and Forestry
 - Health Problems in Rural Area
- 2) *Group Study and Discussion*
- 3) *Study Trip*
 - Agricultural Field
 - Forestry Field
 - Kyushu National Agricultural Experiment Station
 - Saku Central Hospital
 - Kagoshima University
 - Kumamoto Prefectural Centre for Health and Preventive Medicine

5. FACILITIES AND INSTITUTIONS

- 1) Foundation for Development of International Health
- 2) Kumamoto University

6. REMARKS

No. 305

SEMINAR ON FAMILY PLANNING ADMINISTRATION FOR SENIOR OFFICERS II

家族計画指導者セミナーⅡ

1. PERIOD

August 6, 1991 to September 1, 1991 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) be responsible high-ranking officials in administration, planning and implementation of the field programmes of governmental organizations or private/voluntary organizations for family planning,
- 2) have a sufficient command of spoken and written English,
- 3) be between thirty-five (35) and fifty (50) years of age

4. DESCRIPTION OF TRAINING

- 1) Orientation and General Outline of Japanese Population/MCH/Family Planning
 - Population and family planning
 - Governmental MCH/family planning programme
 - Non-governmental family planning programme
 - Concept of family planning and strategies
 - Community organization
- 2) Presentation of Country Report
- 3) Field Observation
 - Prefectural governmental office
 - Prefectural health center
 - Municipal office
 - Community organizations
 - Hospital/institution
 - Primary school
- 4) Summing-up Session

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

COMMUNITY-BASED FAMILY PLANNING STRATEGY (SEMINAR)

家族計画組織活動セミナー

1. PERIOD

Not conducted in 1991

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Officers who are directly involved and responsible for community-based family planning programmes including Information, Education and Communication (IEC) activities of government or voluntary organizations at the central or provincial level.
- 2) Between 25 and 50 years of age
- 3) With sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Presentation and discussions
 - Mother and Child Health / family planning
 - IEC strategies
- 2) Field study

5. FACILITIES AND INSTITUTIONS

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

6. REMARKS

The course will be conducted in 1992

WELFARE

MENTAL RETARDATION 精神薄弱福祉

1. PERIOD

June 3, 1991 to December 13, 1991 (6.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) be presently engaged in schools or facilities for the mentally retarded, or in services for them and have more than (3) years of occupational experience in this field, * be not medical doctors in hospital or professors in universities,
- 2) be university graduates or have the equivalent academic background
- 3) be not less than twenty-six (26) years, and not more than forty-five (45) years of age,
- 4) have a sufficient command of spoke and written English.

4. DESCRIPTION OF TRAINING

- 1) Japanese Language
- 2) General Overview
 - General Comments
 - Specific Topics including Observation
- 3) Practice
 - General Practice
 - Special Practice
 - Study Tour

5. FACILITIES AND INSTITUTIONS

- 1) Japan League for the Mentally Retarded (JLMR)
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

Japanese Language Course will be arranged for about two months prior to the course.

No. 307

PROSTHETIC AND ORTHOTIC TECHNICIANS 補装具製作技術

1. PERIOD

July 22, 1991 to December 11, 1991 (5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Four (4)

3. QUALIFICATIONS

- 1) Be five years or more practical experience in the production of prosthetic and orthotic devices
- 2) Be expected to become leaders in this field
- 3) Have not studied a similar subject abroad before
- 4) Be a sufficient command of spoken and written English or Japanese

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Basic Medicine
 - Introduction of Prosthetics and orthotics
 - *Functional Anatomy*
 - Disability and Indication of Prostheses and orthoses
 - Materials
- 2) Practical training
 - B/K Prosthesis
 - A/K Prosthesis
 - *Upper Extremity Prosthesis*
 - Upper and Lower Orthosis
- 3) Study Tour

5. FACILITIES AND INSTITUTIONS

- 1) National Rehabilitation Center for the Disabled
- 2) Hachioji International Training Center, JICA

6. REMARKS

There will be an intensive Japanese language course, conducted prior to the technical training (1 month, 100 hours).

No. 308

REHABILITATION OF PHYSICALLY DISABLED PERSONS

障害者リハビリテーション指導者(専門家)

1. PERIOD

September 16, 1991 to November 3, 1991 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be a rehabilitation expert with experience of more than three years, such as social worker, rehabilitation counselor, therapist, vocational skill instructor, teacher, workshop manager, and trainer in other fields of rehabilitation for physically disabled persons (except medical doctors and nurses),
- 2) have a sufficient command of spoken and written English,
- 3) be not less than twenty-five (25), and not more than forty (40) years of age,
- 4) be in good health to undergo the course of training. Applicants with disabilities must be independent in activities of daily living and in moving. (No attendant available.) Pregnancy is regarded as a disqualifying condition for participation in the course.

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Medical and Vocational Rehabilitation Services
 - Services for Disabled Persons Provided by Local Government
 - General School System and Special Education
 - Other Programmes
- 2) Individualized Training
 - Management of Sheltered Workshops
 - Rehabilitation Social Work
- 3) Observation Tour
 - Services of Prefectural Government
 - The Sports Meeting of Disabled Persons

5. FACILITIES AND INSTITUTIONS

- 1) Japanese Society for Rehabilitation of the Disabled
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 309

LEADERSHIP OF PHYSICALLY DISABLED PERSONS

障害者リハビリテーション指導者(身体障害者コース)

1. PERIOD

June 3, 1991 to July 21, 1991 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) be a physically disabled person who has been leader of organization of disabled persons or groups with experience of more than three years,
- 2) have a sufficient command of spoken and written English,
- 3) be not less than twenty-five (25), and not more than forty (40) years of age,
- 4) be in good health to undergo the course of training. Applicants with disabilities must be independent in activities of daily living and in moving. (No attendant available.) Pregnancy is regarded as a disqualifying condition for participation in the course.

4. DESCRIPTION OF TRAINING

- 1) **Lecture**
 - Present situation of disabled persons in Japan
 - Service provided for the disabled in Japan
 - Disabled persons Movement
- 2) **Individualized Training**
 - Disabled person's organizations
 - Independent living activities
 - Disabled person's workshops.
- 3) **Observation Tour**
 - Disabled person's activities in local cities
 - The Sports Meeting of Disabled Persons

5. FACILITIES AND INSTITUTIONS

- 1) Japanese Society for Rehabilitation of the Disabled
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 310

SPORTS INSTRUCTOR OF PHYSICALLY DISABLED PERSONS

身障者スポーツ指導者

1. PERIOD

October 15, 1991 to November 24, 1991 (1.3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) be a workshop manager or a rehabilitation expert with more than three years experience such as a social worker, therapist, trainer in the field of sports or rehabilitation for the physically disabled (except medical doctors and nurses). Special school teachers and the leading disabled athletes are applicable.
- 2) have a sufficient command of spoken and written English or Japanese
- 3) be not less than twenty-five and not more than forty years of age.

4. DESCRIPTION OF TRAINING

- 1) Social welfare and Rehabilitation System in Japan
Lectures and Study Visits
- 2) Sports for the disabled
Lectures, Practicums and Study Visits
- 3) Discussions

5. FACILITIES AND INSTITUTIONS

Japanese Sports Association for the Disabled

6. REMARKS

No. 311

SEMINAR ON WOMEN'S AFFAIRS FOR PUBLIC ADMINISTRATION
OFFICERS II

婦人関係行政セミナーⅡ

1. PERIOD

September 2, 1991 to October 19, 1991 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Female
- 2) University graduates or equivalent
- 3) Presently engaged in public administration in women's problems with priority given to working women's problems at the governmental organization
- 4) Occupational experience of more than 5 years
- 5) Between 26 and 40 years of age
- 6) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) *Lectures*
 - Labor administration in Japan
 - Working women in Japan
 - Improvement of the status of women
 - Measures for working women's welfare
 - Maternal and child welfare
 - Improvement of living standards of households engaged in agriculture, forestry and fisheries
 - Women's education in Japan
 - The status of women in Family Law
- 2) *Country Report*
Presentation and discussion by participants on the present status of women, identifying various problems and clarifying administrative measures for the promotion of women's status in each participating country.
- 3) *Observation*
 - Study visits to various public institutions and organizations.
 - Field trip to local districts, including visits to farm houses and plantations where Japanese women are engaged in agricultural jobs.

(The curriculum may be subject to minor changes.)

5. FACILITIES AND INSTITUTIONS

Women's and Young Workers' Bureau, Ministry of Labour, and others.

6. REMARKS

No. 312

SEMINAR ON WOMEN'S ISSUES IN NATIONAL MACHINERIES

婦人問題ナショナルマシーナリーセミナー

1. PERIOD

September 30, 1991 to October 21, 1991 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) be senior officer in charge of national machinery on women's issues
- 2) have a sufficient command of spoken and written English
- 3) be university graduate or equivalent

4. DESCRIPTION OF TRAINING

- 1) General introduction on public administration covering women's issues in Japan
 - The role of the national machinery in Japan
 - Implementation of the National Plan of Action
 - The present situation of women and women's issues in Japan (in agriculture, welfare, education and labour)
 - Discussion
- 2) Study and discussion regarding the implementation of the Convention (Seminar in 90/91)
 - The Convention . . . its impact, its scope and its limit
 - Education, implementation, and dissemination of the Convention
 - Preparation of country reports under article 18 of the Convention
 - Case studies

Presentation of country report and discussion by participants on the national machinery or relevant institution and its roles, clarification and identification of various problems and administrative measures for promotion of women's status in each participating country. Also, case studies concerning the implementation of the Convention on the Elimination of All Forms of Discrimination against Women.
- 3) Meeting and Visits
 - Visits to various women's centers, including National Women's Education Centre.
 - Field trips to local districts, including to a local administrative office for women's issues.

5. FACILITIES AND INSTITUTIONS

The Office for Women's Affairs, Prime Minister's Office

6. REMARKS

No. 313

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

1. PERIOD

September 23, 1991 to November 10, 1991 (1.5 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) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

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

This seminar has two concentrations; the safety-oriented course and the health-oriented course, Nominees should indicate to which concentration he or she wants to apply.

- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Labour Standards Bureau, Ministry of Labour
- 2) Japan Industrial Safety and Health Association
- 3) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

No. 314

LABOUR-MANAGEMENT RELATIONS ADMINISTRATION (SEMINAR)

労使関係行政セミナー

1. PERIOD

April 11, 1991 to May 30, 1991 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) Middle class official in charge of industrial relations administration in the government organization
- 2) Under 45 years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Discussion
 - Labour-Management Relations in Japan
 - Administration of Labour-Management Relations in Japan
 - Japanese Labour Legislation on Labour-Management Relations
 - Productivity Movements and Technological Innovation
- 2) Observation Tours
Observe the organizations and working scene of labour administration, trade unions
- 3) Country report presentation

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) Labour Policy Bureau, Ministry of Labour
- 3) Japan Institute of Labour

6. REMARKS

No. 315

LABOUR STATISTICS FOR POLICY PLANNING (SEMINAR)

労働統計・政策セミナー

1. PERIOD

June 17, 1991 to July 27, 1991 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) Presently engaged in labour statistics administration and expected to work in this field in future.
- 2) University graduates or the equivalent academic background
- 3) Not more than 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture & Discussion
 - Statistic System & Labour Administration
 - Employment and Unemployment Statistics
 - Wage Statistics
 - Industrial Accident and Injuries Statistics
 - Industrial Relations Statistics
 - Technique of Statistic Survey
- 2) Observation Tour

5. FACILITIES AND INSTITUTIONS

- 1) Hachioji International Training Centre, JICA
- 2) Ministry of Labour

No. 316

EMPLOYMENT ADMINISTRATION (SEMINAR)

雇用行政セミナー

1. PERIOD

September 2, 1991 to October 12, 1991 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Presently engaged in policy-drafting in employment promotion administration in the governmental bodies
- 2) Over 30 years and under 45 years of age
- 3) Good working knowledge of English
- 4) University graduates or equivalent with occupational experience

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - a) Labour Administration in Japan
 - b) Employment Administration in Japan
 - ① Employment Policy
 - ② Employment Placement Services
 - ③ Employment Insurance System
 - ④ Employment Measures for the Disabled
 - ⑤ Specific Employment Measures
 - Local Employment Promotion,
 - Measures for Older Workers and Youth
 - c) Human Resource Development Administration
 - d) Lifetime Employment Practice and Employment Adjustment
 - e) Labour-Management Relation in Japan
- 2) Comprehensive Study and Discussion
- 3) Observation

5. FACILITIES AND INSTITUTIONS

- 1) Employment Security Bureau, Ministry of Labour
- 2) Tokyo International Centre (Hatagaya), JICA

6. REMARKS

JICA