

Pan American Health Organization

NINTH MEETING OF THE  
ADVISORY COMMITTEE ON MEDICAL RESEARCH

Headquarters Building  
Conference Room B  
Pan American Health Organization  
525 Twenty-third Street, N.W.  
Washington, D.C.

15-19 June 1970

AGENDA OF THE NINTH MEETING

MEMBERS OF THE PAHO/ACMR

SPECIAL SESSION ON METABOLIC ADAPTATION AND  
NUTRITION

PANEL ON RESEARCH IN MEDICAL EDUCATION

Ref: RD 49/5-1

5 June 1970

PAN AMERICAN HEALTH ORGANIZATION  
Pan American Sanitary Bureau, Regional Office of the  
WORLD HEALTH ORGANIZATION

Washington, D.C.

Pan American Health Organization

NINTH MEETING OF THE  
ADVISORY COMMITTEE ON MEDICAL RESEARCH

Headquarters Building  
Conference Room B  
Pan American Health Organization  
525 Twenty-third Street, N.W.  
Washington, D.C.

15-19 June 1970

PRELIMINARY AGENDA

Monday

15 June

- 9:00 a.m. 1. Opening of the Meeting - Chairman: M. Roche
- ✓ 2. Introductory statement - A. Horwitz
- 9:20 ✓ 3. Results of the nutrition surveys of Central America and Panama - G. Arroyave (25 mins.)
- 9:45 Discussion
- 10:05 ✓ 4. Status of medical mycology in Latin America - L. Ajello (20 mins.)
- 10:25 Discussion
- 10:45 C o f f e e
- 11:00 ✓ 5. Survey of resources in Latin America for advanced training in parasitology - P. E. Thompson (20 mins.)
- 11:20 Discussion
- 11:40 ✓ 6. An evaluation method to measure the effectiveness of PAHO programs - J. Ortiz, R. Parker (20 mins.)
- 12:00 noon Discussion
- 12:30 p.m. L u n c h
- 2:00 ✓ 7. Review of the program for advanced training in immunology - E. A. Kabat, O. Bier, J. Kumate (30 mins.)
- 2:30 Discussion

Monday

15 June

3:00 p.m.

- ✓ 8. Progress report of the Inter-American Investigation of Mortality in Childhood - R. Puffer, C. Serrano (25 mins.)

3:25

Discussion

3:45

C o f f e e

4:00

- ✓ 9. Plans for the establishment of a Latin American Regional Center for Advanced Training and Research on the Health Aspects of Population - R. Prindle (20 mins.)

4:20

Discussion

4:45

- ✓ 10. Ecological implications of insect control: agriculture, disease, and development - M. T. Farvar (20 mins.)

5:05

Discussion

Tuesday

16 June

8:45 a.m. to  
5:30 p.m.

11. Special session on "Metabolic Adaptation and Nutrition" - Moderators: P. P. Cohen and J. C. Waterlow (For agenda see page 8)

Wednesday

17 June

9:00 a.m. to  
12:30 p.m.

12. Panel on "Research in Medical Education" - Moderator: S. Zubirán (For agenda see page 11)

2:00 p.m. to  
4:00 p.m.

13. Review of the functions and activities of the PAHO/ACMR - Moderator: A. Wolman. Background presentation: C. Kidd

4:00

C o f f e e

14. Reports of Scientific Meetings

4:15

- 14.1 Working Group on Radiation Protection - J. Litvak (15 mins.)

4:30

Discussion

Wednesday  
17 June

- 4:50 p.m. 14.2 Scientific Group for the Establishment of a  
Multinational Program in Nuclear Medicine - J. Litvak  
(15 mins.)
- 5:05 Discussion

Thursday  
18 June

- 9:00 a.m. 14.3 International Symposium on Mycoses - L. Ajello  
(20 mins.)
- 9:20 Discussion
- 9:40 14.4 Study Group on Chagas' Disease - L. Olivier  
(20 mins.)
- 10:00 Discussion
- 10:15 14.5 Surveillance of dengue in the Americas - W.F. Scherer  
(15 mins.)
- 10:30 Discussion
- 10:45 C o f f e e
- 11:00 14.6 Study Group on the Prevention of Aedes aegypti-  
borne Diseases - W. C. Reeves (15 mins.)
- 11:15 Discussion
- 11:30 14.7 Technical Group on Maternal Nutrition and Family  
Planning - E. Gold, J. G. Chopra (20 mins.)
- 11:50 Discussion
- 12:10 p.m. 14.8 Scientific Advisory Committee for the Pan American  
Zoonoses and Foot-and-Mouth Disease Centers -  
H. Koprowski (20 mins.)
- 12:30 Discussion
- 12:45 L u n c h

Thursday  
18 June

2:30 p.m.

15. Selection of topic for the special session of the Tenth PAHO/ACMR Meeting
16. Other matters

3:30

C o f f e e

Friday  
19 June

10:00 a.m.

17. Committee recommendations

12:00 noon

18. Closure of the Meeting

PAHO ADVISORY COMMITTEE ON MEDICAL RESEARCH

Dr. Hernán Alessandri  
✓ Ex-Decano, Facultad de Medicina  
Universidad de Chile  
Santiago, Chile

Dr. Otto G. Bier  
✓ Director, PAHO/WHO Immunology  
Research and Training Center  
Instituto Butantan  
São Paulo, Brazil

Dr. Philip P. Cohen  
✓ Chairman, Department of Physiological  
Chemistry  
The University of Wisconsin  
Madison, Wisconsin, USA

Dr. René Dubos  
Member and Professor  
The Rockefeller University  
New York, New York, USA

Dr. Hernando Groot  
✓ Jefe, Sección de Investigación  
Instituto Nacional para Programas  
Especiales de Salud  
Bogotá, Colombia

Dr. Herman E. Hilleboe  
Director, Division of Public Health  
✓ Practice  
School of Public Health and  
Administrative Medicine  
Columbia University  
New York, New York, USA

Dr. Bernardo A. Houssay  
✓ Director, Instituto de Biología  
y Medicina Experimental  
Buenos Aires, Argentina

Dr. Robert Q. Marston  
Director, National Institutes of  
Health  
Bethesda, Maryland, USA

Dr. Walsh McDermott  
✓ Chairman, Department of Public Health  
Cornell University Medical College  
New York, New York, USA

Dr. James V. Neel  
✓ Chairman, Department of Human  
Genetics  
University of Michigan Medical School  
Ann Arbor, Michigan, USA

Dr. Roger Revelle \*  
Center for Population Studies  
Harvard University  
Cambridge, Massachusetts, USA

Dr. Marcel Roche (Chairman)  
Presidente, Consejo Nacional de Investi-  
gaciones Científicas y Tecnológicas  
Caracas, Venezuela

Dr. John C. Waterlow (Vice Chairman)  
✓ Director, Tropical Metabolism  
Research Unit  
University of the West Indies  
Kingston, Jamaica

Dr. Abel Wolman  
✓ Emeritus Professor of Sanitary  
Engineering and Water Resources  
The Johns Hopkins University  
Baltimore, Maryland, USA

Dr. Salvador Zubirán  
✓ Director, Instituto Nacional de la  
Nutrición  
México, D.F., Mexico

Secretary

Dr. M. Martins da Silva  
Chief, Department of Research  
Development and Coordination  
Pan American Health Organization  
Washington, D.C., USA

---

\* Unable to attend

PAHO Consultants

Dr. Libero Ajello  
Mycology Section  
National Communicable Disease  
Center  
Atlanta, Georgia, USA

Dr. Robert Dyar  
Graduate School of Medical Sciences  
University of the Pacific  
San Francisco, California, USA

Dr. M. Taghi Farvar  
Center for the Biology of Natural  
Systems  
Washington University  
St. Louis, Missouri, USA

Dr. E. Gold  
Maternal and Child Health  
University of California School of  
Public Health  
Berkeley, California, USA

Dr. Elvin A. Kabat  
College of Physicians and Surgeons  
Columbia University  
New York, New York, USA

Dr. Charles V. Kidd  
Council on Federal Relations  
The Association of American  
Universities  
Washington, D.C., USA

Dr. Hilary Koprowski  
The Wistar Institute  
Philadelphia, Pennsylvania, USA

Dr. Jesús Kumate  
Hospital Infantil de Mexico  
México, D.F., Mexico

Dr. Rodger D. Parker  
Department of Operations Research  
Johns Hopkins University School of  
Hygiene and Public Health  
Baltimore, Maryland, USA

Dr. William C. Reeves  
School of Public Health  
University of California  
Berkeley, California, USA

Dr. William F. Scherer  
Department of Microbiology  
Cornell University Medical College  
New York, New York, USA

Dr. Paul E. Thompson  
Department of Veterinary Pathology  
School of Veterinary Medicine  
University of Georgia  
Athens, Georgia, USA

PAHO/WHO Staff

Dr. Guillermo Arroyave  
Division of Physiological Chemistry  
Instituto de Nutrición de Centro  
América y Panamá (INCAP)  
Guatemala City, Guatemala

Dr. Joginder Chopra  
Department of Health Services  
Pan American Health Organization  
Washington, D.C., USA

Dr. Abraham Horwitz  
Director  
Pan American Health Organization  
Washington, D.C., USA

Dr. Jorge Litvak  
Department of Health Services  
Pan American Health Organization  
Washington, D.C., USA

PAHO/WHO Staff--Continued

Dr. M. Martins da Silva  
Department of Research Development  
and Coordination  
Pan American Health Organization  
Washington, D.C., USA

Dr. Louis J. Olivier  
Department of Communicable Diseases  
Pan American Health Organization  
Washington, D.C., USA

Mr. Jorge Ortiz  
Department of Research Development  
and Coordination  
Pan American Health Organization  
Washington, D.C., USA

Dr. Richard Prindle  
Department of Health and  
Population Dynamics  
Pan American Health Organization  
Washington, D.C., USA

Dr. Ruth R. Puffer  
Department of Health Statistics  
Pan American Health Organization  
Washington, D.C., USA

Dr. Carlos Serrano  
Department of Health Statistics  
Pan American Health Organization  
Washington, D.C., USA

Dr. Humberto Torloni  
Department of Research Development  
and Coordination  
Pan American Health Organization  
Washington, D.C., USA

Mrs. Muriel Vasconcellos  
Department of Research Development  
and Coordination  
Pan American Health Organization  
Washington, D.C., USA



Pan American Health Organization

NINTH MEETING OF THE  
ADVISORY COMMITTEE ON MEDICAL RESEARCH

Headquarters Building  
Conference Room B  
Pan American Health Organization  
525 Twenty-third Street, N.W.  
Washington, D.C.

15-19 June 1970

SPECIAL SESSION ON  
METABOLIC ADAPTATION AND NUTRITION

Moderators: P. P. Cohen, J. C. Waterlow

Preliminary Agenda

Tuesday  
16 June

Morning Session: P. P. Cohen, Moderator

- 8:45 a.m.           Introductory remarks - P. P. Cohen
- 9:00                1. Physiological adaptation: the test of nutrition -  
                      V. R. Potter (40 mins.)
- 9:40                Discussion
- 9:50                2. Adaptability and amino acid requirements - A. E. Harper  
                      (30 mins.)
- 10:20               Discussion
- 10:30               3. Enzyme synthesis and degradation; effect of nutritional  
                      status - R. T. Schimke (30 mins.)
- 11:00               Discussion
- 11:10               C o f f e e
- 11:25               4. Dietary effect on liver glucokinases - H. Niemeyer  
                      (20 mins.)

Tuesday  
16 June

11:45 a.m. 5. The physiological significance of changes in tissue enzyme levels as affected by diet - G. Soberón (20 mins.)

12:05 p.m. Discussion of Items 4 and 5

12:25 L u n c h

Afternoon Session: J. C. Waterlow, Moderator

2:00 p.m. 6. Concept of "normal" in nutrition - J. C. Waterlow (20 mins.)

2:20 Discussion

2:30 7. Physiological and social adaptation in famine - J. Mayer (20 mins.)

2:50 Discussion

3:00 8. Standards for the diagnosis of vitamin deficiency in man - G. Arroyave (20 mins.)

3:20 9. Discussion - A. E. Schaefer (10 mins.)

3:30 C o f f e e

3:45 10. Anemia and normality - A. H. Waters (20 mins.)

4:05 Discussion

4:15 11. Endocrine mechanisms in nutritional adaptation - F. Mönckeberg (20 mins.)

4:35 Discussion

4:45 12. Homeostatic mechanisms in the regulation of serum albumin level - R. Hoffenberg (20 mins.)

5:05 Discussion

5:15 13. Summary - J. C. Waterlow (10 mins.)

SPECIAL SESSION ON  
METABOLIC ADAPTATION AND NUTRITION

Moderators: P. P. Cohen, J. C. Waterlow

Participants

Dr. Guillermo Arroyave  
Division of Physiological Chemistry  
Instituto de Nutrición de Centro  
América y Panamá (INCAP)  
Guatemala City, Guatemala

Dr. Philip P. Cohen  
Department of Physiological  
Chemistry  
The University of Wisconsin  
Madison, Wisconsin, USA

Dr. A. E. Harper  
Department of Biochemistry  
The University of Wisconsin  
Madison, Wisconsin, USA

Dr. R. Hoffenberg  
Medical Research Council  
Clinical Research  
Center  
Harrow, Middlesex  
England

Dr. Jean Mayer  
Department of Nutrition  
Harvard University School of Public  
Health  
Boston, Massachusetts, USA

Dr. Fernando Mönckeberg B.  
Laboratorio de Investigaciones  
Pediátricas  
Escuela de Medicina  
Universidad de Chile  
Santiago, Chile

Dr. Hermann Niemeyer  
Departamento de Bioquímica  
Facultad de Medicina  
Universidad de Chile  
Santiago, Chile

Dr. Van R. Potter  
Department of Oncology  
The University of Wisconsin  
Madison, Wisconsin, USA

Dr. Arnold E. Schaefer  
Nutrition Program  
Regional Medical Programs Service  
National Institutes of Health  
Bethesda, Maryland, USA

Dr. Robert T. Schimke  
Department of Pharmacology  
Stanford University Medical Center  
Stanford, California, USA

Dr. Guillermo Soberón  
Instituto de Investigaciones  
Biomédicas  
Universidad Nacional Autónoma de  
México  
México, D.F., Mexico

Dr. J. C. Waterlow  
Tropical Metabolism Research Unit  
Medical Research Council  
University of the West Indies  
Kingston, Jamaica

Dr. A. H. Waters  
Department of Hematology  
St. Bartholomews Hospital and  
Medical College  
London, England

PANEL ON  
RESEARCH IN MEDICAL EDUCATION

Moderator: S. Zubirán

AGENDA

Wednesday  
17 June

- 9:00 a.m.                   Introductory remarks - S. Zubirán
- 9:05                        1. Major problems in the training of health personnel:  
opportunities for research - A. Horwitz (15 mins.)
- 9:20                        2. The decision for studying medicine - J. C. García  
(20 mins.)
- 9:40                        3. The medical diagnostic process: method and preliminary  
findings - H. Jason, A. Elstein (20 mins.)
- 10:00                      4. Factors in the early development and evaluation of  
clinical competence in medical education - H.M. Scott  
(15 mins.)
- 10:15                      5. New models in the training of health personnel
- 5.1 The University of Brasília - L. C. Lobo,  
J. R. Ferreira (15 mins.)
- 5.2 The University of Sherbrooke - G. LaSalle  
(15 mins.)
- 10:45                                           C o f f e e
- 11:00                      6. Opportunities for quasi-experimental evaluation of  
changes in medical school programs - D. T. Campbell,  
E. Hutchins (20 mins.)
- 11:20                      Discussion
- 12:30 p.m.                7. Closure of the panel

PANEL ON  
RESEARCH IN MEDICAL EDUCATION

Moderator: S. Zubirán

Participants

Dr. Donald T. Campbell  
Northwestern University  
Evanston, Illinois, USA

Dr. Juan F. Cruz Krohn  
Instituto Nacional  
de la Nutrición  
México D.F., México

Dr. Arthur Elstein  
Office of Medical Research  
and Development  
Michigan State University  
East Lansing, Michigan, USA

Dr. E. B. Hutchins  
Department of Psychology  
Iowa State University  
of Science and Technology  
Ames, Iowa, USA

Dr. Hilliard Jason\*  
Office of Medical Education  
Research and Development  
Michigan State University  
East Lansing, Michigan, USA

Dr. Gérald LaSalle  
Faculté de Médecine  
Université de Sherbrooke  
Sherbrooke, P.Q., Canada

Dr. Luis Carlos Lobo  
Faculty of Medical Sciences  
University of Brasília  
Brasília, Brazil

Dr. Hugh M. Scott  
Royal Victoria Hospital  
Department of Medicine  
McGill University  
Montreal, P.Q., Canada

PAHO/WHO Staff

Dr. José Roberto Ferreira  
Department of Human Resources  
Development  
Pan American Health Organization  
Washington D.C., USA

Dr. J. César García  
Department of Human Resources  
Development  
Pan American Health Organization  
Washington, D.C., USA

Dr. Abraham Horwitz  
Director  
Pan American Health Organization  
Washington, D.C., USA

Dr. Ramón Villarreal (Secretary of  
the Panel)  
Department of Human Resources  
Development  
Pan American Health Organization  
Washington, D.C., USA

---

\*Unable to attend

25738

R  
350  
P18  
1970

*Pan American Health Organization*

**INTRODUCTORY STATEMENT BY DOCTOR ABRAHAM HORWITZ \* TO THE NINTH MEETING OF THE ADVISORY COMMITTEE ON MEDICAL RESEARCH**

**15-19 JUNE 1970**

**WASHINGTON, D.C.**

*Encouragements*

*(Pages 1-3 - never printed)*

LIBRARY  
PAN AMERICAN SANITARY BUREAU  
WASHINGTON, D.C.

IT GIVES ME GREAT PLEASURE TO WELCOME THE MEMBERS AND INVITED PARTICIPANTS TO THIS NINTH MEETING OF THE PAHO ADVISORY COMMITTEE ON MEDICAL RESEARCH. IN PARTICULAR, I WISH TO GREET THE NEW MEMBER OF THE COMMITTEE, DOCTOR HERNANDO GROOT, WHO IN HIS CAPACITY AS CONSULTANT HAS CONTRIBUTED EXTENSIVELY TO THE WORK OF THE ORGANIZATION OVER THE YEARS. DOCTOR GROOT HAS DISTINGUISHED HIMSELF IN HIS OWN FIELD OF VIROLOGY AND IN UNIVERSITY AFFAIRS AS WELL, AS VICE RECTOR OF THE UNIVERSITY OF THE ANDES IN BOGOTA.

DOCTOR ROBERTO CALDEYRO-BARCIA LEAVES THE RANKS OF THE ADVISORY COMMITTEE TO JOIN THE STAFF OF PAHO AS DIRECTOR OF THE LATIN AMERICAN CENTER OF PERINATOLOGY AND HUMAN DEVELOPMENT IN MONTEVIDEO. I TAKE THIS OCCASION TO EXPRESS

---

\* Director, Pan American Sanitary Bureau, Regional Office for the Americas of the World Health Organization

OUR APPRECIATION TO HIM FOR HIS VALUABLE COLLABORATION IN YEARS PAST AND TO SAY THAT WE ARE COUNTING ON THE CONTINUED BENEFIT OF HIS PARTICIPATION IN THE FUTURE ACTIVITIES OF THE ACMR.

BRIEFLY, LET ME HIGHLIGHT SEVERAL ASPECTS OF THE PROGRAM THAT HAS BEEN PLANNED FOR THIS MEETING.

MAY I REFER TO THE RESULTS OF THE NUTRITION SURVEYS OF CENTRAL AMERICA AND PANAMA, PERHAPS THE MOST COMPREHENSIVE DEVELOPED IN THE WORLD. THEY WERE CONDUCTED BY THE GOVERNMENTS, INCAP AND THE NATIONAL INSTITUTES OF HEALTH OF THE PUBLIC HEALTH SERVICE OF THE UNITED STATES. THE LABORATORY AND STATISTICAL ANALYSES HAVE BEEN COMPLETED, AND A REPORT FOR EACH OF THE COUNTRIES HAS BEEN PUBLISHED. THIS WILL SERVE AS A BASELINE FOR THE FORMULATION OF A FOOD AND NUTRITION POLICY BY EACH GOVERNMENT, AS HAS BEEN DECIDED BY THE GOVERNING BODIES OF PAHO AND THE MINISTRIES OF AGRICULTURE.

MYCOTIC INFECTIONS HAVE GAINED INCREASING IMPORTANCE AS A PUBLIC HEALTH PROBLEM IN THE WAKE OF MEDICAL ADVANCES THAT HAVE PERMITTED GREATER CONTROL OF BACTERIAL, PARASITIC, AND VIRAL DISEASES. SO FAR, DATA ON THEIR INCIDENCE, PREVALENCE, MORBIDITY, AND MORTALITY ARE EITHER FRAGMENTARY OR NOT AVAILABLE. THE GROWING AWARENESS OF THE PROBLEM IS ACCOMPANIED, UNFORTUNATELY, BY AN ALSO INCREASING SHORTAGE OF MEDICAL MYCOLOGISTS. DOCTOR AJELLO, OUR ADVISOR, WILL DISCUSS THE STATUS OF MEDICAL MYCOLOGY IN LATIN AMERICA AND REPORT ON AN INTERNATIONAL SYMPOSIUM ON THE MYCOSES, INVOLVING THE PARTICIPATION OF SOME SEVENTY SCIENTISTS SPONSORED BY OUR ORGANIZATION.

ONE OF THE BIGGEST PROBLEMS CURRENTLY FACING HEALTH ADMINISTRATORS IN LATIN AMERICA IS HOW TO MAKE MAXIMUM USE OF THE LIMITED RESOURCES AVAILABLE TO THEM. OPERATIONS RESEARCH SUPPLIES THE SCIENTIFIC METHODOLOGIES FOR ESTABLISHING ORDERS OF PRIORITIES, DETERMINING THE BASES



UPON WHICH CHOICES CAN BE MADE, AND DEVELOPING OBJECTIVE MEANS FOR DECIDING ON THE RELATIVE EFFECTIVENESS OF DIFFERENT PROGRAMS. IN THE PRESENTATION TODAY, A LIFE TABLE APPROACH TO MEASURING THE EXPECTED IMPACT OF VARIOUS PROGRAMS IS DERIVED AND EXAMPLES ARE GIVEN. THE SENSITIVITY OF THE LIFE TABLE TO CHANGES IN BIRTH AND DEATH RATES IS EXAMINED TO DETERMINE WHICH PARTICULAR DISEASES AND THEIR AGE DISTRIBUTION ARE ASSOCIATED WITH THE GREATEST POTENTIAL FOR CHANGE IN LIFE EXPECTANCY. BY RELATING THE POSSIBLE PATHS OF ACTION TO THE AGE-DISEASE ENTITIES THAT ARE MOST PRESSING, IT IS POSSIBLE TO DECIDE WHICH PROGRAMS SHOULD BE EXPLORED FOR IMPLEMENTATION.

PARASITIC INFECTIONS CONTINUE TO ACCOUNT FOR A NOT-INSIGNIFICANT SHARE OF THE MORBIDITY AND MORTALITY DUE TO COMMUNICABLE DISEASES IN LATIN AMERICA AND THE CARIBBEAN REGION. A RECENT PAHO-SPONSORED SURVEY OF THE PROBLEM UNDERSCORED THE PREVALENCE OF ECOLOGIC CONDITIONS THAT

FAVOR PARASITISM IN RURAL AREAS AND IN MARGINAL URBAN DISTRICTS THROUGHOUT THE COUNTRIES IDENTIFIED. ATTENTION WAS CALLED TO THE NEED FOR FURTHER RESEARCH ON MEANS OF ENVIRONMENTAL CONTROL THAT WOULD EFFECTIVELY INTERRUPT THE TRANSMISSION OF A NUMBER OF THESE DISEASES. THE DEVELOPMENT OF CENTERS IN LATIN AMERICA FOR TRAINING AND RESEARCH IN PARASITOLOGY AND THE BUILDING OF A BASIS FOR INTERNATIONAL, MULTIDISCIPLINARY COOPERATION AMONG SPECIALISTS IN THE FIELD, WERE FELT TO BE THE BEST APPROACHES TO THE PROBLEM. AN ITEM OF YOUR AGENDA HAS BEEN SET ASIDE FOR CONSIDERATION OF THE RESULTS OF THIS STUDY.

ENORMOUSLY RAPID ADVANCES IN THE FIELDS OF IMMUNOLOGY AND IMMUNOCHEMISTRY OVER THE PAST 25 YEARS HAVE LED THE WORLD HEALTH ORGANIZATION AND THE PAN AMERICAN HEALTH ORGANIZATION TO SELECT THIS AREA OF STUDY AS THE BASIS FOR A NETWORK OF RESEARCH AND TRAINING CENTERS IN THE DEVELOPING

COUNTRIES. IT IS INTENDED THAT THESE CENTERS WILL SERVE AS NUCLEI FOR THE ADVANCEMENT OF SCIENTIFIC RESEARCH IN THEIR RESPECTIVE REGIONS OF THE WORLD. THEY WILL, IN ADDITION, FOSTER INCREASED CONTACT BETWEEN THEIR OWN SCIENTISTS AND WORKERS IN EUROPE, NORTH AMERICA, AND AUSTRALIA; ENCOURAGE NEW RESEARCH ON PROBLEMS OF SPECIAL IMPORTANCE FOR THE GEOGRAPHICAL AREAS CONCERNED; AND DEVELOP TRAINING COURSES AT THE POSTGRADUATE LEVEL IN IMMUNOLOGY AND IMMUNOCHEMISTRY WITH A VIEW TO PRODUCING A HIGHLY TRAINED CORE OF PROFESSIONALS. OF THE FIVE CENTERS ESTABLISHED SO FAR, TWO ARE IN THE WESTERN HEMISPHERE: ONE IN SAO PAULO AND THE OTHER IN MEXICO CITY. THE WORK THEY HAVE DONE SO FAR WILL BE REVIEWED FOR YOU THIS AFTERNOON.

A COMPREHENSIVE PROGRESS REPORT ON THE INTER-AMERICAN INVESTIGATION OF MORTALITY IN CHILDHOOD, INITIATED TWO YEARS AGO IN 13 SELECTED AREAS IN LATIN AMERICA, WILL BE PRESENTED TO YOU TODAY. THIS STUDY WAS DESIGNED TO DETERMINE

DEATH RATES AS ACCURATE AND AS COMPARABLE AS POSSIBLE IN THE COMMUNITIES SELECTED, TAKING INTO ACCOUNT THE NUTRITIONAL, SOCIOLOGICAL, AND ENVIRONMENTAL FACTORS RESPONSIBLE FOR EXCESSIVE MORTALITY. IT IS INTENDED TO USE THE RESULTING INFORMATION TO COMPARE UNDERLYING AND CONTRIBUTORY CAUSES OF DEATH AND TO INVESTIGATE RELATIONSHIPS WITH INFECTIOUS DISEASES, NUTRITIONAL DEFICIENCY STATES, AND SOCIOLOGICAL CONDITIONS. THE PRELIMINARY RESULTS OF THE INVESTIGATION ARE ALREADY BEING APPLIED TO THE IMPROVEMENT OF LOCAL CONDITIONS; THEY ARE POINTING OUT PROBLEMS TO BE SOLVED CURRENTLY; AND THEY ARE PROVIDING DATA FOR LOCAL, NATIONAL, AND INTERNATIONAL HEALTH PLANNING.

PLANS FOR THE ESTABLISHMENT OF A LATIN AMERICAN REGIONAL CENTER FOR ADVANCED TRAINING AND RESEARCH ON THE HEALTH ASPECTS OF POPULATION WILL BE DISCUSSED WITH YOU. WE ARE COUNTING ON YOUR GUIDANCE IN THIS IMPORTANT NEW UNDERTAKING.

THE ECOLOGICAL IMPLICATIONS OF INSECT CONTROL IS THE LAST ITEM ON YOUR PROGRAM THIS AFTERNOON. AN INVESTIGATION IS CURRENTLY BEING CONDUCTED WITH PAHO PARTICIPATION IN CENTRAL AMERICA TO IDENTIFY THE PEST AND VECTOR CONTROL TECHNIQUES NOW IN USE THAT INVOLVE THE INTENSIVE APPLICATION OF INSECTICIDES AND TO DETERMINE THE ECOLOGICAL CONSEQUENCES OF THESE METHODS FOR AGRICULTURE, PUBLIC HEALTH, AND DEVELOPMENT IN THE COUNTRIES INVOLVED. IN ADDITION, A MODEL INTERDISCIPLINARY STRATEGY IS BEING DEVELOPED FOR THE STUDY OF ENVIRONMENTAL PROBLEMS RESULTING FROM THE INTRODUCTION OF MODERN TECHNOLOGICAL INNOVATIONS IN THE LESS DEVELOPED COUNTRIES.

THIS YEAR OUR SPECIAL SESSION, TO BE HELD TOMORROW, WILL FOCUS ON THE PROBLEM OF NUTRITION AND METABOLIC ADAPTATION, AND IT IS HOPED THAT NEW CONCEPTS AND EXPERIMENTAL APPROACHES WILL EMERGE FROM THIS COLLOQUIUM.

IN THE MORNING SESSION CONSIDERATION WILL BE GIVEN TO THE MANY BIOCHEMICAL FUNCTIONS THAT REVEAL ADAPTIVE CHANGES. FOLLOWING THIS, IN THE AFTERNOON, ATTENTION WILL BE GIVEN TO WAYS OF DEFINING THE RANGE OF ADAPTATION COMPATIBLE WITH NORMAL FUNCTION AND TO THE CRITERIA FOR DISTINGUISHING BETWEEN NORMAL AND ABNORMAL.

THE PROCEEDINGS OF THIS SESSION WILL BE PUBLISHED PROMPTLY, AND WE FEEL THAT THEY WILL CONSTITUTE A VALUABLE MONOGRAPH FOR BASIC SCIENTISTS IN THE FIELDS OF PHYSIOLOGY, BIOCHEMISTRY, AND NUTRITION, AS WELL AS FOR PEDIATRICIANS, INTERNISTS, AND PUBLIC HEALTH WORKERS INTERESTED IN THE CURRENT STATUS OF THIS IMPORTANT SUBJECT.

WE ARE GRATEFUL TO PROFESSORS COHEN AND WATERLOW FOR THE WORK THEY HAVE DONE IN ORGANIZING THIS MOST INTERESTING PART OF THE AGENDA.

IN RESPONSE TO THE COMMITTEE'S REQUEST OF LAST YEAR, WEDNESDAY MORNING WILL BE GIVEN OVER TO A SPECIAL PANEL ON

RESEARCH IN MEDICAL EDUCATION. AREAS THAT NEED TO BE INVESTIGATED WILL BE IDENTIFIED, AND RECENT FINDINGS FROM CURRENT RESEARCH ON VARIOUS ASPECTS OF THE EDUCATIONAL PROCESS IN MEDICINE WILL BE REPORTED.

LAST YEAR THE COMMITTEE ALSO SUGGESTED THAT TIME BE SET ASIDE FOR A REVIEW OF ITS OWN FUNCTIONS AND ACTIVITIES. IN PREPARATION FOR THIS ASSESSMENT, A SET OF QUESTIONS ON THE ROLE OF THE PAHO RESEARCH PROGRAM IN RELATION TO BIOMEDICAL RESEARCH IN LATIN AMERICA AND, IN PARTICULAR, ON THE PART PLAYED BY THE ACMR WAS PREPARED AND SENT TO PRESENT AND FORMER MEMBERS OF THE COMMITTEE FOR THEIR VIEWS. THE RESULTS OF THIS INFORMAL SURVEY WILL BE REVIEWED ON WEDNESDAY AFTERNOON AS BACKGROUND FOR THE DISCUSSION OF THE TOPIC.

THE REMAINDER OF THE MEETING WILL BE DEVOTED TO A SERIES OF REPORTS ON THE PAHO SCIENTIFIC MEETINGS THAT HAVE BEEN HELD IN THE LAST 12 MONTHS.

IN CONCLUDING, I WISH TO EXPRESS OUR GRATITUDE FOR  
THE INVALUABLE GUIDANCE AND ADVICE THAT THE COMMITTEE  
PROVIDES THE ORGANIZATION. I AWAIT WITH PLEASURE THE  
DELIBERATIONS AND RECOMMENDATIONS OF THE PRESENT MEETING.