

E A G U E O F N A T I O N

**QUARTERLY
BULLETIN
of the
HEALTH
ORGANISATION**

Volume V, 1936

G E N E R A L

TABLE OF CONTENTS OF VOLUME V (1936).

	Page
Report of the Pan-African Health Conference held at Johannesburg, November 20th to 30th, 1935	1
List of Delegates	5
Agenda	7
I. Yellow Fever	8
II. Plague	89
III. Malaria	110
IV. Typhus (Rickettsiosis)	140
V. Typhoid-Carrier Problem	152
VI. Dangers associated with Locust Poisoning	157
VII. Animal Diseases communicable to Man :	
A. Rabies	161
B. Bovine Tuberculosis	165
C. Trypanosomiasis	168
D. Helminthiasis	181
E. Brucellosis	184
F. Other Virus Diseases	190
VIII. Rural Hygiene and Medical Services in Africa	198
IX. Proposals for the Better Co-ordination of Health Services in Africa	207
The Fly Problem in Rural Hygiene :	
I. Report of the Meeting of Entomologists held in London. from December 16th to 17th, 1935	211
II. The Biothermic Method of Fly Destruction and the Ease with which it can be adapted to Rural Conditions, by Professor E. ROUBAUD	214
III. Investigations into the Fly Density in Hungary in the Years 1934 and 1935, by F. LÖRINCZ, M.D., and G. MAKARA, M.D.	219
IV. On Flies visiting Human Faeces in Hungary, by F. LÖRINCZ, M.D., G. SZAPPANOS, M.D., and G. MAKARA, M.D.	228
The Campaign against Rheumatism :	
Preface by Dr. N. M. JOSEPHUS JITTA	237
I. Cause and Prevention of Acute Rheumatism in Child- hood, by B. SCHLESINGER, M.D.	239

TABLE OF CONTENTS (*continuation*).

	Page
II. The Incidence and Importance in the United States of America of Rheumatic Disease in Children, by R. PEMBERTON, M.D.	247
III. The Role of Clinical Medicine in the Prevention of Rheumatic Invalidity, by Dr. M.-P. WEIL	252
IV. Rheumatism and Occupation in the Union of Soviet Socialist Republics, by Professor DANISCHEWSKY .	255
V. The Prevention of Permanent Disability and the Measures to be taken in the Case of Invalids, especially those suffering from the Sequelæ of Rheumatism, by Professor G. KAHLMETER	269
VI. Prevention and Cure of Rheumatism : International Action, by Dr. J. VAN BREEMEN	277
Occurrence in Fresh and Brackish Water of the Larvæ of <i>A. maculipennis atroparvus</i> and <i>messeæ</i> in some Coastal Provinces of the Netherlands, by N. H. SWELLENGREBEL.	280
Investigations on the Transmission of Malaria in some Villages North of Amsterdam, by N. H. SWELLENGREBEL.	295
Trachoma and Anti-trachoma Work in Turkey, by Dr. Husamettin KURAL and Dr. Nuri AYBERK	353
On the Interrelation of the Antigenic Properties of Snake Venoms and its bearing upon the Polyvalence and the Assay of Sera, by Dr. E. GRASSET	367
Report on the Physiological Bases of Nutrition drawn up by the Technical Commission of the Health Committee (London, November 1935-Geneva, June 1936)	391
Report by the Technical Commission on Nutrition on the Work of its Second Session	416
The Protein Component in the Human Diet, by Professor Emile F. TERROINE	427
On the Necessity of a Biological Supervision of Food (with Special Reference to its Vitamin Content), by Mme. G.-Lucie RANDOIN	493
General Programme of Research into Biological Measurements and Tests for the Definition of States of Malnutrition, by Professor Henri LAUGIER	505
<i>Annex</i> : General Bibliography of Physiological Researches into Fasting and Under-nourishment, by W. LIBERSON	512
Nutrition in Childhood, by Dr. E. LESNÉ and Mme. Dr. G. DREYFUS-SÉE	531

TABLE OF CONTENTS (*continuation*).

	Page
Clinical Methods for determining the State of Nutrition in School-children, by Professor P. NOBÉCOURT and Dr. G. VITRY	544
The Nutritional Requirements of Puberty, by Professor Charles RICHET	549
Indirect and Direct Data relating to the Nutrition of the Rural Population of the Netherlands, by Professor J. J. VAN LOGHEM	554
Nutrition and Dietary Habits in the Various Provinces of the Netherlands, by Drs. C. BANNING and C. DEN HARTOG.	560
Nutritive Food Requirements during the First Year of Life, by Professors E. GORTER and Cornelia DE LANGE	564
Nutrition of Various Groups of Families in the Netherlands (showing the Vitamin A and C Content, and Investigation of Blood and Urine for the Presence of these two Vitamins), by Professor L. K. WOLFF and Drs. C. BANNING and M. VAN EEKELEN	566
A. Report of the Permanent Commission on Biological Standardisation on its Session held at Geneva on September 30th and October 4th, 1935	571
Annexes :	
I. Insulin :	
1. The New International Insulin Standard and the Re-definition of the Existing Unit in Terms thereof.	584
2. Comparisons, as regards Unit Value, between the Original International Insulin Standard and the Proposed New Standard, by J. M. HERSHEY and A. H. LACEY	589
Appendix : The Rabbit Method of Insulin Assay as used in the Insulin Committee Laboratory, University of Toronto	595
3. Assay of Crystalline Insulin by the Mouse-convulsion Method, by H. A. PROCTER and J. G. G. GARDEN.	599
4. The Assay of the International Crystalline Insulin Standard by the Mouse Method, by D. A. SCOTT	607
5. Comparison of the Proposed Crystalline Standard with the Present International Insulin Standard, by Kathleen CULHANE LATHBURY	610
6. Comparison of the Proposed New International (Crystalline) Standard Insulin with the Current International Standard, by J. W. TREVAN	622
7. Comparison of the Crystalline Insulin Preparation designed for the New International Standard, with the Old International Standard Insulin of 1924, by A. M. HEMMINGSEN and M. WEITZE	625

TABLE OF CONTENTS (*continuation*).

	Page
8. Comparison of the Old International Insulin Standard with the New Crystalline Standard (Rabbit Method), by G. B. WALDEN	629
9. Evaluation of the New International Standard Insulin by the Rabbit and Mouse Methods of Assay, by H. P. MARKS and C. PAK	631
10. Note on the Unit Values assigned to the New Standard by Investigators comparing it with the Old Standard by Different Methods	652
11. The New Insulin Standard, and the Re-definition of the Unit in relation thereto (Report of the Conference of Experts), by C. H. BEST, August KROGH and H. H. DALE	656
II. Gas-gangrene Antitoxin (<i>Histolyticus</i>) :	
A Proposed International Standard for Gas-gangrene Antitoxin (<i>Histolyticus</i>), by CLAUD JENSEN	659
Appendix : Memorandum concerning an International Standard for Gas-gangrene Antitoxin (<i>Histolyticus</i>), by L. E. WALBUM and G. C. REYMANN.	690
III. Diphtheria Antitoxin :	
Memorandum concerning a Proposed International Diphtheria Antitoxin Standard for Use in the Flocculation Test, by CLAUD JENSEN	695
IV. Tetanus Antitoxin :	
Memorandum concerning the Titration of Tetanus Antitoxin, by CLAUD JENSEN	702
V. Anti-poliomyelitis Convalescent Serum :	
Preliminary Report on a Proposed International Standard Anti-poliomyelitis Convalescent Serum, by Th. MADSEN and CLAUD JENSEN	708
B. Report on the International Biological Standards maintained at the National Institute for Medical Research, Hampstead, London, on behalf of the Health Organisation of the League of Nations, by Percival HARTLEY	713
C. Report on the International Biological Standards maintained at the Statens Serum Institut, Copenhagen, Denmark, on behalf of the Health Organisation of the League of Nations, by CLAUD JENSEN	728
D. A Simple Laboratory Method for the Desiccation of Serum and Other Protein Solutions, by Percival HARTLEY	735
Public Health and Social Problems in the United States of America. Report by the Participants on a Study-Tour arranged by the Health Organisation of the League of Nations and the United States Public Health Service, November 4th—December 7th, 1935	747

TABLE OF CONTENTS <i>(continuation)</i> .		7
		Page
Health Indices. A Study of Objective Indices of Health in Relation to Environment and Sanitation, by K. STOUMAN and I. S. FALK		901
Co-operation, in Health Matters, between the National Government of the Republic of China and the League of Nations		1082
Report by Dr. A. STAMPAR on His Missions to China.		1090
