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TATA INSTITUTE OF FUNDAMENTAL RESEARCH
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April 30, 1956

MEMORANDUM

I am directed by Mr. E. C. Allardice to send you a copy of the minutes of a meeting held on April 26, 1956 at the Tata Institute of Fundamental Research to discuss the report on the effects of nuclear and thermo-nuclear weapons. Dr. Bhabha has approved the minutes.

A. Ramaswami

ECA:kr
30/4/56
enc: 1

To:

Dr. D. S. Kothari
Dr. V. R. Khanolkar
Professor J. A. Taraporewala
Dr. J. Shankar
Dr. K. S. Singwi
Mr. N. B. Prasad
Dr. R. Ramanna
Mr. A. S. Rao
Dr. D. Y. Phadke

Mrs. H. Peters
Mr. B. M. Udgaonkar
Dr. Sarkar)
Dr. Shastri) Defence Science Organisation

✓ Copy forwarded to Dr. K. S. Krishnan, F.R.S., National Physical Laboratory,
New Delhi

April 28, 1956

A meeting was held at 11 a.m. on Thursday, April 26, 1956 in the Director's room at the Tata Institute of Fundamental Research to discuss the report on the effects of nuclear and thermo-nuclear weapons.

Present

Dr. H. J. Bhabha
 Dr. D. S. Kothari
 Dr. V. R. Khanolkar
 Mr. E. C. Allardice
 Professor J. A. Taraporewala
 Dr. J. Shankar
 Dr. K. S. Singwi
 Mr. N. B. Prasad
 Dr. R. Ramanna
 Mr. A. S. Rao
 Dr. D. Y. Phadke

Mrs. H. Peters
 Mr. B. M. Udgaonkar
 Dr. Sarkar)
 Dr. Shastri) Defence Science Organisation

2. The Committee discussed the purpose to be served by publishing the report. It was agreed that the report would present no new information to the highly advanced countries but would concentrate in one place a mass of information which would be useful to India and the surrounding countries.

3. It was agreed that the report should be published in one volume divided into part 'A' Physics and part 'B' Biology, and should be so written as to be of use to the general scientific reader. Dr. K. S. Singwi and Dr. V. R. Khanolkar would be responsible for editing parts 'A' and 'B' respectively. For this purpose they could call on the assistance of any member of the Establishment and Dr. Sarkar and Dr. Shastri of the Defence Science Organisation will also be available. This work should be given top priority and completed by May 23 so that the final draft can be typed by May 31, 1956. Care should be taken to emphasise, where

necessary, that the conclusions reached are tentative or are based on scanty data and to draw attention to the points where present knowledge is inadequate and further investigation required. A complete bibliography of the available literature, as on December 31, 1955, should also be provided. The volume should be prepared in the same way as the Tata Institute of Fundamental Research lecture notes.

4. A popular version for the general reader has been prepared by Dr. Kothari and will be read by Dr. Bhabha and discussed at a later stage.

5. Dr. Khanolkar gave a brief report of the work done by the Radiation Committee, New York. It was agreed that very interesting work on the genetic effects of low dosages of radiation could be carried out in Travancore where, in certain areas, the background is 5 to 10 times higher than the normal background elsewhere due to the presence of U and Th. in the monazite sands. The great advantage of carrying out these experiments in Travancore is that, within a few miles of these high background centres, people with exactly the same food and other habits are available as a control.

ECA:jt
28.4.56