

D.O.No. 13/4-18/W<sup>S</sup>

Office of the  
Chief Research Officer,  
Wood Seasoning Branch,  
Forest Research Institute, 26/4-  
P.O. New Forest (Dehra Dun), the 26/4-  
Apr '55.

Dear Dr. Mathur,

I thank you for your letter No. 2 Int VI(2)/55, dated 19-4-'55. I fully appreciate the various issues raised by you, viz., that you feel diffident in giving a complete picture of the arrangement immediately, that a small-scale test should first be carried out using the heating unit available in your Laboratory, and that the results of the tests carried out in Delhi will be applicable to the whole of North India. Realizing the advantages of collaboration between us in this experiment, Shri K.L. Aggarwal, I.F.S., President, Forest Research Institute & Colleges paid a visit to your Laboratory to discuss this matter with you personally. In your absence he discussed the matter with Dr. Khanna, requesting him to communicate to you that we shall gladly collaborate with you. All work relating to the designing, testing and operation of the kiln will be carried out by us and the work relating to Solar Energy will be carried out by you. There will be joint discussions on all the aspects of the problem. It appears to me that Dr. Khanna has talked the matter with you and that you have agreed to the suggestion made by the President, Forest Research Institute & Colleges.

*work /*  
I have got concrete suggestions to make in order that the ~~work~~ may be started early : -

- (i) We should first test a thermal circulation kiln. I shall work out a suitable design based on our own experience of the working of different types of seasoning kilns. The size will be reduced as suggested by you. It will be 6' x 5' x 5' in size and it will contain about 20 cft. of sawn material. We shall convert the kiln into one with forced draft if necessary at a later stage.
- (ii) You may kindly work out the scheme in details as mentioned in para 3 of your letter.
- (iii) We can then meet and discuss the whole scheme, after which I shall get a portable kiln made in timber at Dehra Dun, if we both finally agree to have the wooden structure. The kiln will be shifted and fitted in your Laboratory yard.

It will be possible for us to depute a Research Assistant in Delhi for this test. The timbers which we consider worthwhile testing will be available with us we shall bring the test material from here.

If at some stage you can spare a day and come down to Dehra Dun you will be able to see practically all known types of seasoning kilns including those designed here.

P.T.O.

- 2 -

I agree with you that the problem in question is a very important one.

Awaiting your reply with interest.

Yours sincerely,



(M. A. REHMAN)

Dr. K. N. Mathur, D.Sc., F.Inst.P.,  
Dy. Director, National Physical  
Laboratory of India,  
Hillside Road, NEW DELHI -12.

*Mr.*  
Shukla/26-4.

National Physical Laboratory of India  
-----

D.N.P.L. may kindly see the enclosed D.O. from the Chief Research Officer, Wood Seasoning Branch, Forest Research Institute, Dehra Dun.

For sometime back we have been having correspondence with the F.R.I. on the question of utilisation of solar energy for Wood Seasoning. Both the Chief Research Officer and Shri K.L. Aggarwal, President, Forest Research Institute paid a visit to this laboratory sometime early in April. The following scheme has been worked out in connection with this work:

- 1) A small size kiln will be set up at the N.P.L. at the expense of the Forest Research Institute. The material for the kiln will be sent out by the F.R.I. but some local help will be provided by us for setting it up.
- 2) This Laboratory will design a complete unit for heating the kiln including any instrumentation needed.
- 3) The F.R.I. will post a member of their staff in Delhi for the purpose of taking readings of the kiln with collaboration of our staff.
- 4) The timbers etc. needed for testing will be supplied by the F.R.I.

In this connection the F.R.I. have suggested that I may visit their Institute to see the arrangements of various types of kiln for heating and air-circulation which may be helpful for final design through solar heating.

D.N.P.L. may kindly approve of this arrangement.

*K. N. Mathur*  
Deputy Director  
21.5.1955

D.N.P.L.

EXPRESS CABLEGRAM

STATE

D/22/12/17

DR KN MATHUR  
CARE HICOMIND  
LONDON

KINDLY ARRANGE PROVISIONALLY WITH DANJON  
EARLY RESERVATION ONE ASTROLAB FOR US

KRISHNAN

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Not to be telegraphed:

New Delhi  
12-12-55.

National Physical Laboratory  
of India, Hillside Road, New Delhi.

*h*  
*si*  
*12/11*

Cable to Dr <sup>KN</sup> Mathur,

~~to Indian High Commission,~~

CARE, HICOMIND London  
LONDON

KINDLY ~~ARRANGE~~ PROVISIONALLY

WITH DANJON ~~& a~~ EARLY

RESERVATION ~~FOR~~ <sup>ONE</sup> ~~ONE~~ ASTROLAB

FOR US.

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Kindly arrange

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for us.

LONDON

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PROVISIONAL FOR

LETTER

FOR LETTER



DELEGATION OF INDIA  
SIXTH GENERAL CONFERENCE

OFFICE : ANNEXE 318  
TELEPHONE : KLEBER 52.00 Extension 3204

3rd June, 1951.

My dear Dr. Krishnan,

I hope you got my letter before leaving Delhi. I am hoping to meet you in London on the 11th. Please give me a ring at the Indian Services Club, 8 South Audley Street, W.1., as soon as you reach London.

Dr. S. Krishna is anxious to know the date of reaching London. He regrets you were put to some difficulty when you arrived last in London and he does not wish it to be repeated. So please drop him a line.

Dr. Bhatnagar is reaching London on the 12th. He may be putting up either at Claridges or Grosvenor House. But Dr. Krishna will know it. Dr. Bhatnagar asked me to write to you that the H.P.M. has desired that you should reach back Delhi by the 20th July at the latest.

I hope you will have decided something about the expert on low temperatures for the N.P.L.

*With best regards.*

Yours sincerely,

*K. N. Mathur*

(K.N. MATHUR)

Professor K.S. Krishnan, F.R.S.,  
C/O Dr. Wicknan,  
Secretary, 2nd General Assembly of the  
International Conference of the Union  
of Crystallography,  
STOCKHOLM 50,  
Sweden.

*I just got a letter from K.N. Mathur. Everything is all right there.*

5<sup>th</sup> February 1951

Dear Dr. Krishnan,

I wish to approach you about a personal matter and in view of its delicacy I have preferred writing to speaking.

As you are well aware the construction work of the Laboratory will shortly come to a close and I feel it is now time that you took up the question of determining my status and position in your Laboratory. I wonder if you have been able to formulate any scheme after your so kindly discussing the various aspects of the organisation of work in the Laboratory. Apart from any personal considerations I feel that it is

essential for the Laboratory to have the post of a Deputy Director in order that the incumbent might render you some assistance in the administration and coordination of the activities of the various Divisions more particularly with respect to the standardisation work.

It is not for me to say what I have done towards the establishment of this Laboratory as you yourself have been in direct contact with the various phases of work and know well the difficulties which we had to confront and solve ever since the early days of planning in 1944. But it would, perhaps, not be out of place to

mention here that it was due to my attachment towards this Laboratory that I declined without hesitation the idea of going to Rooshee in the Central Building Research Institute even though on a better salary and status.

I don't wish to bother you about the various other aspects of my case in relation to officers of my status in the other Laboratories of the Council, but I do feel that I should now request you most earnestly to take up this matter with the authorities of the Council for a speedy decision, since in the present circumstances I am feeling greatly distracted.

With best regards,

yours sincerely  
K. U. Mathur

No. 1-I(1)/59/I&amp;C.

Dated the 6th Oct. 1959.

The Secretary,  
CSIR, New Delhi.

Sub:- Report of the Indian Delegation to the 10th  
Session of the General Conference of UNESCO  
held in Paris in November - December 1958.

Sir,

With reference to your letter No. 3/185/59-PC dated 15-9-1959, we are to state that ~~as regards II(a)~~ *regards in various fields.* we are already cooperating with several International Organisations. The Indian I.G.Y Programme has been conducted under the advice and in cooperation with the special committee for the International Geophysical Year (CSAGI) which was specially constituted by the International Council of Scientific Unions. The programme is still being continued.

The Radio Research Committee of India, as the Indian National Committee for the International ~~Sci~~ Scientific Radio Union, (URSI) cooperates with URSI in the fields of Radio and electronics. We have also been advising the URSI in several spheres. Dr. A.P. Mitra, Assistant Director, Radio Propagation Unit is a consultant of the world surroundings committee which is concerned with the scientific planning of the ionosphere stations of the world and their programme; and is also a member of the URSI Sub-commission Ve (Frequency Allocation) recently set up to advise the URSI on the matter of providing suitable frequencies for Radio Astronomy in future.

As regards part (b) ~~we are to state~~ it is suggested that we should support the resolution particularly with reference to provision of adequate documentation services in the less advanced countries. Insdoc was established in 1952 by the Government of India with Technical Assistance, from UNESCO for this purpose. Most of the documentation services mentioned in the resolution are adequately provided by Insdoc.

As regards II(d) we are to state that the IGY National Committee is in touch with the committee on Space Research (COSPAR) formed by the ICSI recently on matters relating to exploration of space, COSPAR has recently asked Dr. A.P. Mitra to accept the chairmanship of the Working Group III on "Data & Publication". COSPAR is also lodging an international symposium in space service in January, 1960.

Yours faithfully,

Dy. DIRECTOR.

1. I (12) / 59 / ITC

The Secretary  
Council of Scientific + Industrial  
Research  
Old Mill Road  
New Delhi

Sub: — Report — of the Indian Delegation  
to the 10<sup>th</sup> Session of the General  
Conference of UNESCO held in  
Paris in November - December 1958.

Sir,

With reference to your letter no  
3 / 187 / 59 - PC dated 15-9-1957 we are  
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Spldres. Dr. A. P. Mitra, A. D., Radio Propagation Unit is a consultant of the World Solarwinds Committee which is concerned with the scientific planning of the ionosphere stations of the world and their programme; and is also a member of the URSI Subcommission Vc (Frequency Allocation) recently set up to advise the URSI on the matter of providing suitable frequencies for Radio Astronomy in future.

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Y. F. (K. M.)

1-I(1)/59/IX

Information & Committee Section

[Dy No. 2603 dated 17-9-1959]

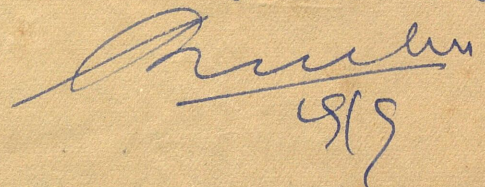
Sub:- Report of the Indian Delegation to the 10<sup>th</sup> session of the General Conference of UNESCO held in Paris in November-December, 1958.

Ref:- No. 3/85/58-PC dated 15-9-1959 from C.S.I.R. forwarding along with a note on the above subject from the Ministry of S.R. & C.A. for our comments.

Shri S. Pathasanthi (Insdoc) & Dr. A. P. Mitra may kindly see in the first instance.

~~Shri S. Pathasanthi~~  
(Insdoc)

Dr. A. P. Mitra

  
4/9

Resolution b) Improvement of Scientific Documentation

We should support this resolution particularly with reference to provision of adequate documentation services in the less advanced countries. Insdoc was established in 1952 by the Government of India with technical assistance from Unesco for this purpose. Most of the documentation services mentioned in this resolution are adequately provided by Insdoc.

Shri S. Pathasanthi  
25.9.59  
Insdoc

II(a)

In regard to II(a), we are at present working with several International Organizations. The whole Indian KY programme has been conducted under the ~~active~~ ~~control~~ advice and in cooperation

P.T.O.

with the Special Committee for the International Geophysical Year (CSAGI) which was specially constituted by the International Council of Scientific Unions. The programme is still being continued.

The Radio Research Committee of India, as the Indian National Committee for the International Scientific Radio Union, (URSI), cooperates with URSI in the fields of radio and electronics. We also have been advising the URSI in several spheres. The undersigned is a consultant of the World Soundings Committee which is concerned with the ~~planning~~ scientific planning of ~~the~~ the ionospheric stations of the world and their programme; he is also a member of URSI Subcommission Vc (Frequency Allocation) recently set up to advise the URSI on the matter of providing suitable frequencies for Radio Astronomy in future.

## II(d)

The IGY National Committee is in touch with the Committee on Space Research (COSPAR) formed by the ICSU recently ~~on~~ on matters relating to exploration of space. Cospar has recently asked the undersigned to accept the Chairmanship of its Working Group III on "Data and Publications". COSPAR is also holding an international symposium on Space Science in January 1959.

A. P. Mitra  
26/9/59.

I/c Branch

D. D. & D. N. P. L. may kindly see before  
pua. We write to CSIR on the above lines.  
27/9

DFA as desired put up to.

pua  
5/10



# NATIONAL PHYSICAL LABORATORY

HILLSIDE ROAD, NEW DELHI-12

TELEGRAMS : "NATPHYLAB"  
TELEPHONE : 52041

OUR REF. NO. 1-I(1)/59/I&C.

Dated the Oct. 1959

The Secretary,  
Council of Scientific &  
Industrial Research,  
New Delhi-2

Sub:- Report of the Indian Delegation to the 10th  
Session of the General Conference of UNESCO  
held in Paris in November - December 1958.

Sir,

With reference to your letter No. 3/195/59-PC dated 15-9-1959, we are to state that we are already cooperating with several International Organisations in various fields. The Indian I.G.Y. Programme has been conducted under the advice and in cooperation with the special committee for the International Geophysical Year (GSAGI) which was specially constituted by the International Council of Scientific Unions. The programme is still being continued.

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As regards part (b) it is suggested that we should support the resolution particularly with reference to provision of adequate documentation services in the less advanced countries. Insdoc was established in 1952 by the Government of India with Technical Assistance, from UNESCO for this purpose. Most of the documentation services mentioned in the resolution are adequately provided by Insdoc.

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Yours faithfully,

*K. N. Mathur*

( K.N. Mathur ) 30/10/59  
Deputy Director.

Dt/29-10-59.

1-I(1)/59/I&C.

Dated the Oct. 1959

The Secretary,  
Council of Scientific &  
Industrial Research,  
New Delhi-2

Sub:- Report of the Indian Delegation to the 10th  
Session of the General Conference of UNESCO  
held in Paris in November - December 1958.

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Yours faithfully,

*100*  
*34/10/59*  
( K.N. Mathur )  
Deputy Director.

Dt/29-10-59.

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24/10/59

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COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

No. 3/85/59-PC.

Old Mill Road,  
New Delhi, 23 October, 1959  
31 Asvin, 1881

From

The Secretary,  
Council of Scientific & Industrial Research.

To

The Director,  
National Physical Laboratory,  
NDW DELHI.

R

Subject:- Report of the Indian Delegation to the  
10th Session of the General Conference  
of UNESCO held in Paris in November-  
December, 1959.

Sir,

I am directed to invite reference to this  
Office letter of even number dated 15th September  
1959 and to request you kindly to expedite your  
comments.

Yours faithfully,

*S.L. Dar*  
(S.L. DAR)  
Under Secretary

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M. J. M.

37801  
1719

2603  
1719

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.  
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No. 3/85/59-PC.

Old Mill Road,  
New Delhi, the

15 September, '59.  
24 Bhadra, 1881

From

The Secretary,  
Council of Scientific and Industrial Research.

To

The Director,  
National Physical Laboratory,  
Hillside Road, NEW DELHI-12.

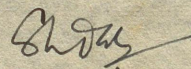
R

Subject:- Report of the Indian Delegation to the 10th  
Session of the General Conference of UNESCO  
held in Paris in November-December, 1958.

Sir,

I am directed to forward herewith a copy of  
note on the above subject received from the Ministry of  
Scientific Research and Cultural Affairs and to request  
for your comments on the topics mentioned therein so far  
as you may be concerned.

Yours faithfully,

  
(S.L. DAR)  
Under Secretary.  
Sik

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Report of the Indian Delegation to the tenth  
Session of the General Conference of UNESCO  
held in Paris in November-December, 1958.

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The 10th Session of the General Conference of UNESCO discussed various programmes of UNESCO for 1959-60 and made certain recommendations and decisions. Minister desires that the recommendations and decisions dealing with relevant topics may be shown to each division of the Ministry for their comments.

II. The Conference discussed UNESCO's programme for 1959-60 in the field of Natural Sciences and made certain recommendations and decision as summarised below:-

a) Cooperation with International Organisations.

The conference recommended that, in view of the importance of Natural Sciences in the present world and their special importance within the frame work of the objectives of UNESCO, the amounts intended for International Scientific Organisations should be given under the programme to be submitted to the General Conference at its next session, as also the total Budget allotted to the Department for the purpose.

b) Improvement of scientific documentation.

A resolution was adopted authorising the Director-General to advise and assist Member States and international scientific documentation services, particularly by promoting the establishment of a central scientific library and encouraging publications translations, microfilm reproduction, the standardization of technical terms and the compilation of glossaries and multilingual dictionaries; and to disseminate information on scientific documentation through suitable publication.

c) Promotion and teaching of Science.

A resolution was adopted to the effect that the Director-General should stimulate the extension and improvement of Science teaching, particularly in Primary schools and promote understanding at the international level of the methods and achievements of natural science by various methods.

d) Contribution to scientific research:

It was recommended that the Director General should promote research in the following two fields in addition to those already included in the programme:

- a) Cerebrology; and
- b) Exploration of extra-terrestrial space.

In this connection, it was also decided to convene in Europe in 1960 an inter-Governmentary Conference to consider and adopt measures (a) for the joint operation by interested

Member States of International research and training vessels for exploring the oceans more systematically than hitherto, for stimulating efforts in this direction, and for training specialised research personnel; and

b) for the initiation of an immediate programme of international cooperative research and training in the marine sciences to be carried out with the help of equipment and facilities which Member States may make available for the purpose.

c) Scientific Research of arid lands.

A resolution was adopted calling for closer cooperation of Member States outside the regions in which the main activities of the Major Project of Scientific Research on arid lands are concentrated. The Director General was requested to prepare before the next Session of the General Council an Appraisal of the Major Projects and recommendations for its future development.

III. Scientific Research Division may please see for necessary action.

Sd/- D.K.Hingorani.  
31.7.59.

Information + Committee Section

1-I(1)/59/24

Sub:- Report of the Indian Delegation to the tenth Session of the General Conference of UNESCO.

Ref:- No. 3/85/59-PC dated 23-10-1959 from CSIR.

C.S.I.R. letter dated 15-9-1959 on the subject cited above was put up to D.D. with the proposed draft on 5-10-1959.

Submitted please.

msd  
28/10.