

To remind

DEPARTMENT OF
ELECTRICAL ENGINEERING

IMPERIAL COLLEGE
SOUTH KENSINGTON,
LONDON - - S.W.7
Telephone: KENSINGTON 5111

4 JUN 1959
Dear Dr. Krishnam,

You might recall that
I am due back in the Lab
on 2.9.59. I have finished
my work for MSc (Lond). &
D.I.C (Elec. Eng) and will be
submitting the thesis very
shortly.

However, my professor
Dr. J. Lamb feels that I can
attend the International
Acoustic Congress at Stuttgart
in Sept^r this year & has
written a letter to India House
(copy enclosed here for ready
reference) to that effect. I
am mailing this by surface

today so that by the time
this reaches you in India
you might have received the
original official communication
through our High Commission
& C.S.I.R. offices.

I request you to support me
in this, ^{also} by putting in a word
to C.S.I.R. people to secure me
favourable deputation terms
to attend this conference.

By God's grace, I hope to
prove worthy of your choice.

With kind regards,

Yours ^{sincerely} ~~faithfully~~
Rajadwarmani

5/59

JL/AC/10.7

1st May, 1959.

The Secretary,
Education Department,
India House,
Aldwych,
London, W.C.2.

Dear Sir,

Re: Mr.R.A. Padmanabhan

You will recall that Mr. Padmanabhan has been working in the Electrical Department of Imperial College under my supervision since October 1957 and that he will shortly be submitting a Thesis for a higher degree. He is due to return to resume his duties in India by the beginning of September.

However, during the first week of September there is to be held the third International Congress on Acoustics in Stuttgart from 1st to 8th September, inclusive. This is a very important International Meeting, which is organised once in three years, and we are making a number of contributions from our laboratory. One of the papers which will be presented concerns the work which Mr. Padmanabhan has been carrying out, and the title is: "Ultrasonic Relaxation in Substitute Ethanes". I should like to ask, therefore, whether you would agree to send Mr. Padmanabhan to this Conference and to cover his expenses in attending, including the granting of an extension to the period of absence allowed by the laboratory.

I feel sure that it would be to the advantage of his laboratory that he should attend this International Meeting and there is no doubt that it would be to his personal good; I hope, therefore, that you will be able to depute him to attend as a representative of your country.

Yours faithfully,

Dr. J. Lamb

"Ultrasonic relaxation in some substituted ethanes"

by E.L. Heasell, R.A. Padanabhan, and J. Lamb, Electrical Engineering Department, Imperial College, London, S.W.7.

The ultrasonic absorption of a number of substituted ethane compounds has been studied. Measurements have been made over a temperature range between -50°C and 100°C and at frequencies between 10 and 100 Mc/s.

Relaxation effects have been observed in n-propyl chloride, n-propyl bromide, 1-2 dichloropropane, 1-2 dibromopropane, 1-1-2 trichloroethane, 1-1-2 tribromoethane and syn-tetrochloroethane.

These observations are interpreted in terms of a structural isomerism involving rotation around the central C-C bond.

Quantitative analysis indicates that the effect of dipolar interaction is probably important in these liquids.

COFY

INDIA HOUSE, ALDWYCH, W.C.2.

E.E. 3961.

S.G. Sathaye,
Education Officer.

6th May, 1959.
16, Vaisakha 1881 Saka

Dear Dr. Lamb,

Thank you for your letter No. JI/AC/10.7 of the 1st May, 1959, regarding Mr. R.A. Padmanabhan. According to the terms of his scholarship he is expected to go back as soon as he completes his post-graduate course at your college. His scholarship is normally tenable until the 22nd September, 1959, but I find that he is shortly submitting his thesis and I should like to know when he will be taking his viva voce examination. His scholarship will in practice be stopped as soon as he has had his viva. If this date is much before the date of the International Conference then I am afraid it will not be possible for us to sanction to him any grant as it is possible that he may have to return to India before then. I should be grateful if you would kindly send the student to us so that we can explain the whole position to him.

Yours sincerely,

(S.G. Sathaye)

Dr. J. Lamb,
Department of Electrical Engineering,
City and Guilds College,
Exhibition Road,
London, S.W.7.

SGS/bd.

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

(UNIVERSITY OF LONDON)

DEPARTMENT OF ELECTRICAL ENGINEERING

CITY AND GUILDS COLLEGE
EXHIBITION ROAD
LONDON - - S.W.7.
Telephone: KENSINGTON 5111

18 MAY 1959

JL/AC/10.7

14th May, 1959.

Dr. K.S. Krishnan, F.R.S.,
Director, National Physical Laboratory of India,
New Delhi - 12,
India.

Dear Dr. Krishnan,

Re: Mr. R.A. Padmarabhan

I have written to the Secretary of the Education Department in India House, London, asking if he could agree to send your research worker, Mr. Padmarabhan as a delegate to the 3rd International Congress on Acoustics, which will be held in Stuttgart from 1st to 8th September inclusive. This is an important International Conference at which representatives from many countries will be present. We intend to make a number of contributions from our laboratory and one of these concerns the work which Mr. Padmarabhan has been carrying out under my supervision. I enclose a copy of the abstract of this paper.

It seems to me highly desirable, from the point of view of your laboratory, that you should be represented at this Congress by Mr. Padmarabhan, particularly since he will be in this country immediately prior to the Congress. Unfortunately, I received an unhelpful response from Mr. Sathaye, and I enclose also a copy of the letter which I have received from him.

I can only leave the matter in your hands hoping that you will be able to arrange for Mr. Padmarabhan to attend the Conference and to cover his expenses in so doing, in accordance with my original request to India House. I hope you can let me have an early reply since the closing date for registration for the Congress is not far away.

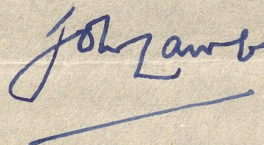
I should also like to add a personal comment on Mr. Padmarabhan's stay in our laboratory. It has been a pleasure to have him with us and I feel sure that his period of study has been of mutual benefit.

Cont'd.

He has worked very hard and has taken a full part in the activities of our laboratory.

Referring to the comments of Mr. Sathaye concerning termination of his scholarship, I am informing him that there is no question of Mr. Padmanabhan completing his period of study before the end of the period for which his scholarship is tenable. Mr. Padmanabhan will, in due course, be submitting his Thesis for the M.Sc. degree, and apart from the Stuttgart Conference there is also a paper to be prepared for publication on his measurements.

Yours sincerely,

A handwritten signature in blue ink that reads "John Lamb". The signature is written in a cursive style and is underlined with a single horizontal stroke.

Dr. J. Lamb

JL/AC/10.7

14th May, 1959.

S.G. Sathaye, Esq.,
Secretary,
Education Department,
India House,
Aldwych,
London, W.C.2.

Dear Mr. Sathaye,

Thank you for your letter dated 6th May, concerning Mr.
R.A. Padmanabhan.

You will recall that at this College we have on many occasions been pleased to extend a welcome to students and research workers from various laboratories and universities in India. It has always been a pleasure for us to have them working here, and I am sure you will realise the time and effort which we have put into the further education of the students, whom you have sent to us. In view of this I was surprised at your unhelpful and abrupt reply to my request that you should send Mr. Padmanabhan as a representative of your country to the International Conference on Acoustics, to be held in Stuttgart from the 1st to 8th of September. I would like to emphasise that this was a personal request from me and not from the student concerned, and I should like to ask you to consider it in this light.

At the same time I have written to Dr. Krishnan, the Director of Mr. Padmanabhan's laboratory, enclosing copies of the correspondence relating to this matter.

With regard to the time in which Mr. Padmanabhan completes his course of study here, I expected you to consult me as his supervisor, before taking any action in the matter, since over the past two years I have been very much concerned, both with the progress of his work and with his personal welfare. Quite apart from the question of his Thesis there is also publication to be prepared on the results

Cont'd.

of his research, which, in any case, is still in progress.

Whilst you are considering these matters further, it would, I think, be as well not to trouble the student in person and thus disturb him at a time when he is working very hard. I have, therefore, not requested him to come to see you as you suggested in your letter.

Yours sincerely,

Dr. J. Lamb

JL/AC/10.7

1st May, 1959.

The secretary,
Education Department,
India House,
Aldwych,
London, w.c.2.

Dear sir,

Re: Mr. R.A. Padmanabhan

You will recall that Mr. Padmanabhan has been working in the Electrical Department of Imperial College under my supervision since October 1957 and that he will shortly be submitting a thesis for a higher degree. He is due to resume his duties in India by the beginning of September.

However, during the first week of September there is to be held the third International Congress on Acoustics in Stuttgart from 1st to 8th September, inclusive. This is a very important international meeting, which is organised once in three years and we are making a number of contributions from our laboratory. One of the papers which will be presented concerns the work which Mr. Padmanabhan has been carrying out and the title is: "Ultrasonic Relaxation in Substituted Ethanes". I should like to ask, therefore, whether you would agree to send Mr. Padmanabhan to this conference and to cover his expenses in attending, including the granting of an extension to the period of absence allowed by the Laboratory.

I feel sure that it would be to the advantage of his laboratory that he should attend this international meeting and there is no doubt that it would be to his personal good; I hope therefore, that you will be able to depute him to attend as a representative of your country.

yours faithfully,

Dr. J. Lamb.

(copy)

R. A. Padmanabhan
5/5/59