

Dr. Ing. E. Clar
Hernskretschon/Elbe

27.12.1934.

Prof. K. S. K r i s h n a n, Esq.

p.A. Indian Association for the Cultivation of
Science

210 Bowbazar Street,

C a l c u t t a
-.-.-.-.-

Dear Sir,

many thanks for your kind wishes, which I am
repeating heartily.

May I trouble you in asking, whether Sir
R a m a n sees a possibility for my scientific wor-
king in India?

With the highest regards

yours sincerely

E. Clar

Dr. Ing. E. Clar,

Herrnskretschien/Elbe,
Tschechoslowakei, 30.4.1934.

Prof. K. S. Krishnan D.Sc. Esquire

Calcutta

210, Bowbazar Street

Dear Prof. Krishnan,

Many thanks for your kind letter which I have read with great interest. I think, that your work is a very important one for the chemistry of the polynuclear hydrocarbons and so I would be very happy to help you in any way. But I have sent nearly all of my products to other investigators who wanted them for their researches. Now I possess of the greater part of my hydrocarbons not more as would be sufficient for comparisons by their melting-points. Inclosed you will find some samples of polynuclear hydrocarbons, which can perhaps be usefull for you. I would not hesitate to let repeat the preparations of the products in question if it would be possible to me. But since one year I am not more at the Istituto Ronzoni as this Institute became the own of the State and there was no possibility to engage a foreigner, for I am a ^{Czech} ~~Czechoslovakian~~ subjekt with german native language. Now I am occupied in my small laboratory with industrial work for the german I.G. Farbenindustrie. Not to my own pleasure, for I would prefer scientific research again. Is there no possibility to find such an occupation in India?

With the highest regards

yours sincerely

E. Clar,

Dr. E. Clar,
Herrnskretschén a/d Elbe,
Czechoslovakia.

4th December 1935.

Prof. K. S. Krishnan D.Sc.

210, Bowbazar Street,
Calcutta

Dear Prof. Krishnan,

Thank you very much for your papers, which I have read with the greatest interest.

Recently I was occupied with a theoretical work about the absorption spectra of aromatic hydrocarbons. I have found that the "Para-diyl-state" of benzene ($\lambda = 2068 \text{ \AA}$), naphthalene (2881), anthracene (3745), 2.3-benzanthracene (4735), and 2.3;6.7-dibenzanthracene (5830) is following the Balmer-equation $\nu = R\left(\frac{1}{n^2} - \frac{1}{m^2}\right)$, if R is a new constant, n is 6, 7, 8, 9, 10 and m is a great number. Therefore I think, that the hydrocarbons are very near to the state of ionisation under the influence of light.

Besides other regularities, I got out, that there are always two electrons, which are activated ^{at once}, namely in the positions o, p, 1.5, 1.7, 2.6, which correspond to quinones.

With the best wishes for a happy New-Year,

I remain,

With highest regards,

Yours sincerely,

E. Clar,