
Ancient TL

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Letters to the editor

From: K. S. V. Nambi, Bhabha Atomic Research Centre, Bombay.

(i) TL and ESR Terminology : k Factor

Henry Schwarcz has suggested that an inequality of TL and ESR k-factors may arise out of the opacity of samples which could affect k_{TL} evaluation but not k_{ESR} (Ancient TL, Vol. 3, No. 1, 1985). As evaluation of k_{TL} is always done by comparing the TL outputs due to alpha and beta irradiations using samples thin enough that alpha particles pass entirely through, the opacity changes are not likely to affect k_{TL} evaluations. In any case such contributions can be readily checked by monitoring the TL output from a third sample given additive alpha, beta irradiations to the same individual doses as during k_{TL} evaluations i.e. by checking if the TL outputs satisfy the relations,

$$(NTL + \alpha) + (NTL + \beta) = (NTL + \alpha + \beta) + NTL$$

(ii) Plateaux and Preheating

In response to D. Huntley's query (Ancient TL, Vol. 3, No. 1, 1985) I would like to point out that, almost simultaneously with G. Valladas, we had announced the desirability of preheat treatment to separate 280/330°C peaks in limestone samples (N. Jb. Miner. Abh. 133, 1978, 215); no specific mention was however made on the plateau test. It has been our experience that preheat treatments are necessary to obtain good plateau especially in geological materials.

Nambi, K.S.V. + Mitra, S. Thermoluminescence investigations of old carbonate sedimentary rocks.

Notices

8th International Conference on Solid State Dosimetry, organised by the National Radiological Protection Board, U.K., 26th-29th August, 1986, St. Catharine's College, Oxford.

Further details from: Miss L. Ashby, National Radiological Protection Board, Chilton, Didcot, Oxfordshire, U.K.

The 'first international symposium on ESR Dating' will be held in Ube, Japan, from 1st-4th September, 1985.

Further details may be obtained from Professor M. Ikeya, Technical College, Yamaguchi University, Tokiwadei, Ube 755, Japan.

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Bibliography compiled by A. G. Wintle, with additional contributions by A. K. Singhvi.