

Los Alamos

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Prof. Giovanni Fazio
Istituto de Fisica Dell'Universita
Salita Sperone, 31
98166 Vill. S. Agata
Messina, Italy

Dear Prof. Fazio:

In response to your request of 5 January 1988, I am sending you a copy of our report on the Shroud of Turin.

I should comment on the statements on page 27 about the experiments on modern linen. It is not clear to me that the experiments were not done with linen that had been treated with "fabric brighteners." Fluorescent chemicals are added to all of the modern linen I have seen, and those chemicals react differently to heating than does the linen itself. Modern "primitive" linen will also react differently, because it contains undegraded lignin. It has been my observation that lignin gradually changes its chemical composition with time.

I would be very interested in hearing your scientific thoughts on the Shroud.

Sincerely,



R. N. Rogers
Los Alamos Fellow

RNR:cv

Enc. a/s

Cy: R. N. Rogers, IT-6, w/o enc., MS P917
CRMO (2), w/o enc., MS A150
IT File, w/o enc.
IT-6 File, w/o enc.