

R. M. Fiedel

TO: Mr. J. E. Clements, Technical Services Manager - Coty
FROM: Mr. H. D. Stanley
DATE: December 8, 1972
SUBJECT: Asbestos in Talc

Enclosed please find the transmission electron micrographs which we discussed on your recent visit to our labs. The findings from our X-ray diffraction and TEM work are as follows:

- Lo Micron -- Talc is the major constituent, chlorite is detected but no tremolite, i.e., less than 0.5% tremolite. Microscopy shows an occasional fiber of tremolite but we concur with X-ray that the tremolite is less than 0.5%. TEM also shows many talc "Pseudo fibers".
- Alpine 141 -- Talc only, no tremolite, i.e., less than 0.5%. TEM's showed the same thing.
- 1615 Talc -- XRD found considerable chlorite but the tremolite was less than 0.5%. TEM found a very occasional fiber which we suspect to be asbestos but the level of detection would be around 0.1% or less. Otherwise, TEM concurs with the XRD analysis.

Mr. Fiedel and I sincerely hope that these results will be of use to you and your colleagues. If there is any question concerning them, please do not hesitate to call us.

Harold D. Stanley

HDS/blh

cc: R. E. Norwood
R. M. Fiedel

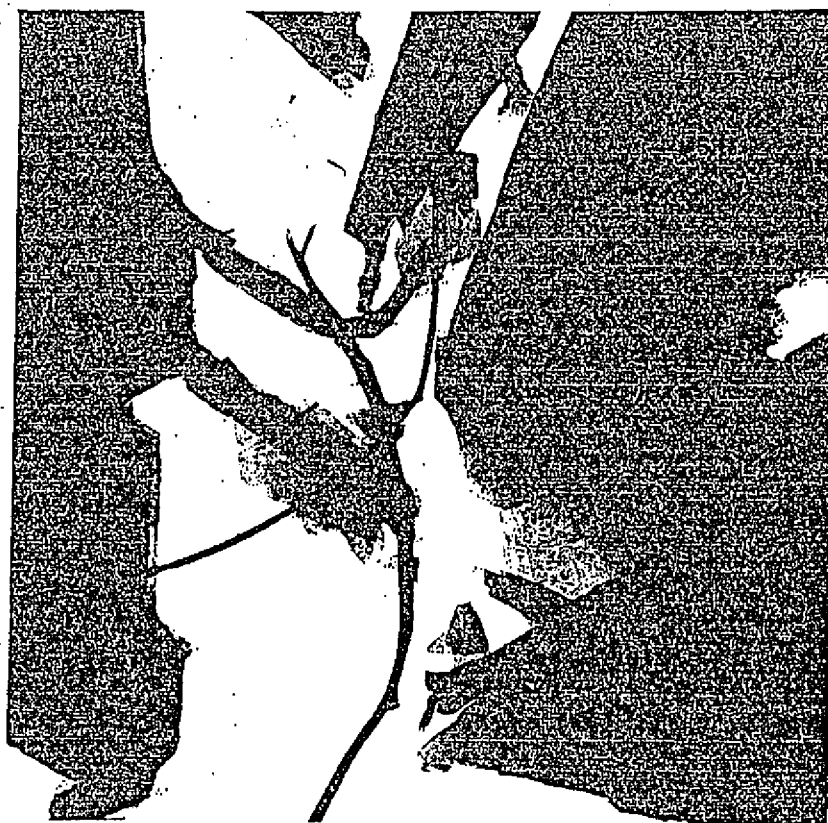
EXHIBIT

tabbies

WCD
32
12/3-2-156

ROLL 108

11-2-9-5



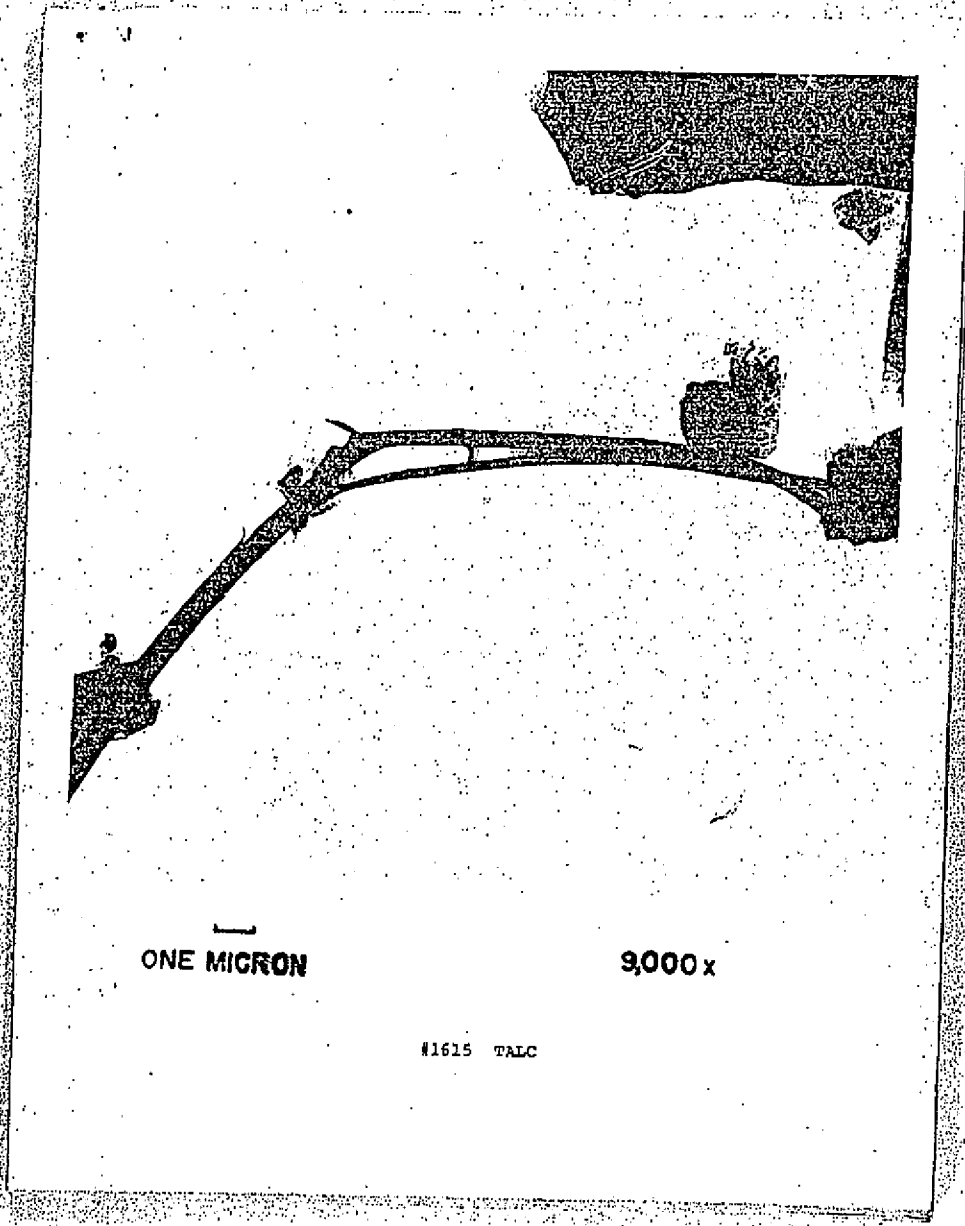
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9,000x

F1615 TALC

ROLL 108

1 2 9 6



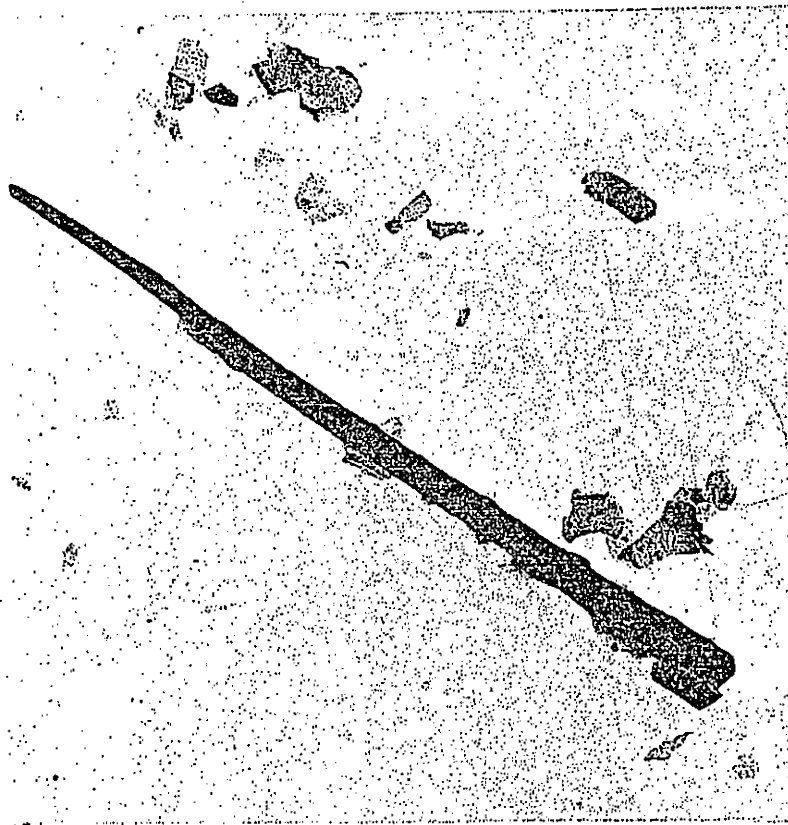
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9,000x

#1615 TALC

ROLL 108

1 2 9 7



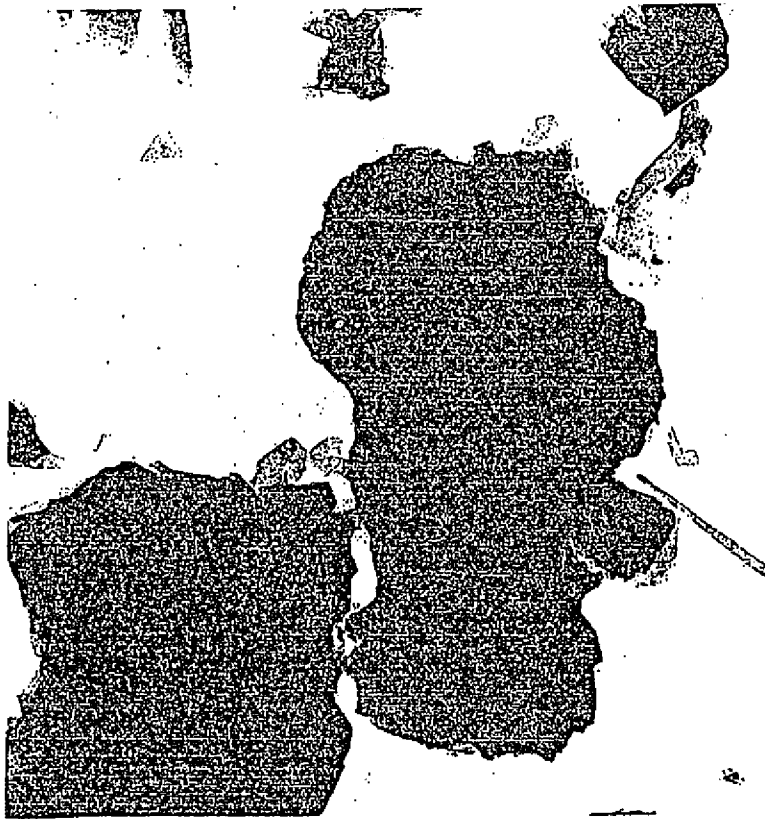
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9,000x

#1615 TALC

ROHT 108

1 2 2 8



ONE MICRON

9,000 x

H1615 TALC

ROLL 108

1-2-9-9



ONE MICRON

9,000x

#1615 TALC

ROLL 108

1 3 0 0



ONE MICRON

9,000x

#1615 TALC

ROLL 108

150 V



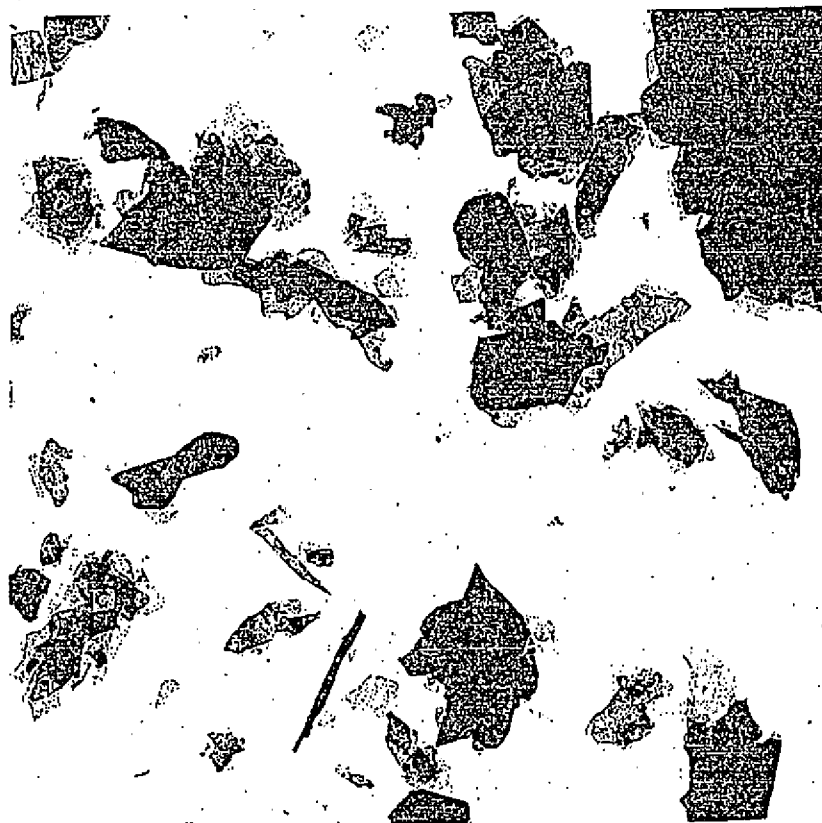
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9,000x

#141 ALPINE TALC

ROLL 108

1-5-0-2



ONE MICRON

9,000x

#141 ALPINE TALC

ROLL 108

1/3-0-3



ONE MICRON

9,000x

#141 ALPINE TALC

ROLL 108

1 3 0 4



ONE MICRON

9,000x

#141 ALPINE TALC

ROLL 108

1 3 0 5



ONE MICRON

35,000x

#141 ALPINE TALC

ROLL 108

1-3-0-6



ONE MICRON

35,000x

#141 ALPINE TALC

ROLL 108

1-3-0-7



ONE MICRON

9,000x

#1 LO MICRON TALC

ROLL 108

1 3 0 8



ONE MICRON

35,000 x

#1 LO MICRON TALC

ROLL 108

1-3-0-9



ONE MICRON

35,000 x

#1 LO MICRON TALC

ROLL 108

1 3 1 0



ONE MICRON

35,000 x

#1 10 MICRON TALC

ROLL 108

1 3 1 1



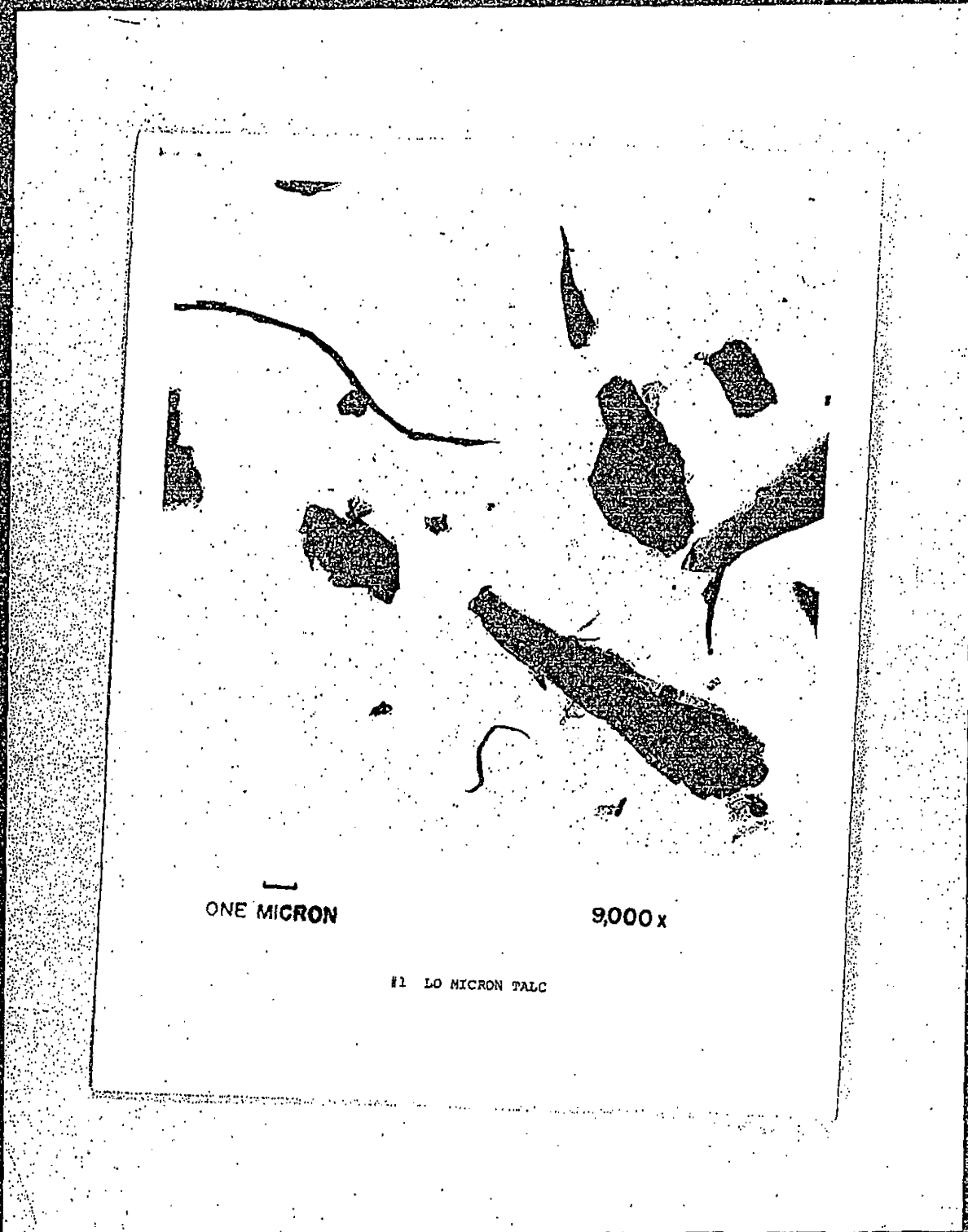
ONE MICRON

9,000x

#1 10 MICRON TALC

ROLL 108

1-3-1-2



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ONE MICRON

9,000x

#1 10 MICRON TALC

ROLL 108

1 3 1 3



ONE MICRON

9,000x

#1 LO MICRON TALC