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SUBJECT: Report of Contacts Outside of Security Division

TO: Plans and Operations Staff

Date 3 Feb 47

Organization visited: Dept of Interior, Bureau of Standards *and*
National Wooden Box Association

Person(s) contacted: Mr. Braithwate
Mr. Frank B. Kimball

Subject(s) discussed: Packing material for cushioning metal barriers as
relates to Project for Storing and Packing Cryptographic Machines.

Results of discussion including commitments made: Mr. Braithwate of the Department of Interior, Bureau of Standards was contacted with reference to packing material to use for cushion between the metal barrier and the wooden box. His best recommendation was for the use of Kim Pak with a water repellent backing. His experience was not very extensive in the cushioning field and he referred me to Mr. Frank B. Kimball, Chief Engineer, National Wooden Box Association. The problem was discussed with Mr. Kimball and he recommended the use of Kim Pak very highly, to give the cushioning we desire. A second recommendation was offered in the use of excelsior pads for top and bottom of the box, the sides and ends being packed with loose excelsior after the barrier was in place. This latter process would entail more time in padding the box since the excelsior would have to be tamped in by hand. It would also offer the possibility that an equal amount of pressure may not be present on all sides, therefore placing stress on the barrier which might open the seams or cause undue shifting of the barrier. This unequal pressure would also affect the individual boards on the sides of the wooden box and could cause one board to take the entire weight of the equipment in the event the container were lifted with all weight on one side. It was Mr. Kimball's thought that the Kim Pak would be about 25% more expensive than excelsior but that the additional protection and saving in packing time afforded would warrant its use.

Recommendation and/or action taken:

curtailed

Recommend that planning on the use of excelsior be ~~abandoned~~ and that planning proceed with the premise that Kim Pak will be used for cushioning.

Paul G. Piatner
PAUL G. PIATNER, CWO
Name Rank

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Branch

Section

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