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accument consists of

Henorable Rebert LeBaren Chairman, Military Limison Committee to the Atomic Emergy Commission

Dear Mr. LeBarons

It is clear that with the entrance of medicar weapons into the reals of megatom yields, new concepts of civilian defense must be formulated which will prepare civilian defense organisations for the destruction which would follow the determinent of such weapons over any portion of the United States. That this problem was recognized both by the AFC and by the Fuderal Civil Defense Administration is demonstrated in part by exchange of correspondence between the Federal Civil Defense Administrator, and the Chairman of the AFC (Enclosures 1 and 2). As requested by the Civil Defense Administrator, a "canitised" version of the motion picture on Operation Try has been prepared for showing before the group of mayors who will be attending the Mayors' Conference sponsored by the Phits House on Federal 14 and 15.

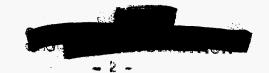
The film, a deleted version of the film "Operation Lyy", shows certain of the footage pertaining to the Dike Shot of Operation Lvy. (This film was shown to the Chief of AFGRF and his staff on Movember 25, 1963.) All information which would give any indication as to the nature of the thermonuclear vection. including identity of reactants, or the manner in which the reaction is brought about, has been deleted from the file leaving only the clear indication that the detonation was that of a thermonuclear device. Thile all specific mention of the yield of Ivy Bibe has been deleted from the film, sufficient information remains to permit calculation of an approximate yield by a technically qualified person. This information has been allowed to remain in the modified version since to remove it would destroy the usefulness of the film. The Commission has determined that declassification of the yield of the kike device, Operation Ivy, to this extent will not adversely affect the common defense and security. It does not give any indication as to how such a device is designed or built or any indication as to how it operator. Moreover, the yield of Mike is well within that which our foremost scientists have often openly discussed as being possible (s.g. "a thousand times more powerful than the Hiroshima bomb" - H. A. bethe). In addition, the observed yield of any particular device does not in any way imply that,

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such a device is the most powerful or least powerful which we are able to . build; it indicates merely the power (the yield of the specific device tested. Thile this declaration of the calculable yield of a specific device is contrary to paragraph 12b(6) of the Joint ACC-DOD Classification Guide, it is not considered necessary to revise the Guide at this time since such revision would apply the declassification action in this case to all other such seasons or devices.

In addition to the yield of the kike device, the modified Operation Lyy film may also imply that the like device was probably not a deliverable device. This is not clear from the picture since no view of the device itself is shown. The fact that it is on the ground may be explained on the basis of the requirement for extensive ecientific measurements, (e.g. the 2 mile helium box), and the size of the "house" door, on the basis of motorised equipment such as crance. Horsover the deliverability or non-deliverability of the wike device bears no relationship to whether or not the All possesses deliverable thermoniclear mespons, but refers only to a characteristic of the specific device tested.

Lastly some of the methods of museuring weapon, effects are shown in somewhat greater detail than has heretofore been released. However, much information of this type is already declassifiable involving as it does instrumentation and unclassified techniques which are used for other purposes.

At present there is no specific plan to show this version of the film other than on an "Official Use Only" basis at the White House conference of Mayora on Recember 14. However, it is possible that another version will be proposed adapting the material of the film for use in civil defense education and the cultatment of volunteer sorkers. He would appreciate your comment on such an adaptation. There would of course be an opportunity for you to: see and comment upon it before public release was made.

cc: Lewis L. Strauss, N/encls. K. D. Nichols.

Brig. Cen. Fields. Morse Salisbury,

R. B. Snapp. William Nitchell. Eincarely yours,

Lewis ... Strause

Chairman

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