

SECRETHANDLE VIA BYEMAN
CONTROL SYSTEM ONLYDEPARTMENT OF THE AIR FORCE
WASHINGTON

OFFICE OF THE UNDER SECRETARY

June 28, 1969

M.L.

MEMORANDUM FOR DR. McLUCAS

SUBJECT: Further Conversation with Mr. Katz

After Amron Katz left your office, I discussed a few additional subjects with him in my office. I asked him about mapping and, without much discussion, Mr. Katz stated that the requirement for 1/50,000 scale map for artillery cannot be supported. He feels the requirement is, to quote him exactly, "drowning the system." At a scale from 1/50,000 we would need huge quantities of maps. He asked why we needed to make maps of Libya, Iran, and Tanganyika. He believed our desire to chart the world in great detail is only a sense of aesthetic fulfillment which is gained when the whole earth is mapped in large scale. He asked how come the Viet Cong do not need maps of this scale.

I think it is important to differentiate the need for the large scale maps for metric purposes from the need because of detail. To prepare large scale maps with detail does not require the 12" camera. The detail is furnished from the panoramic camera. Maps made from 3" cameras will not be as accurate from a metric standpoint as those made from the 12" camera but the ratio is not the ratio of a focal length (namely 4 to 1). The short focal length picture covers a larger area and therefore has less dimensional distortion than pictures made from long focal length cameras.

I agree we need to produce large scale maps, but I am not certain we need to make large scale maps with high metric accuracy. I also believe there is a flaw in their argument that the 12" photography is needed for the newer requirements of targeting ballistic missiles. I will check into it as a long range project.

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY**HEXAGON****CORONA****SECRET***BYE 12987-69*
WORKING COPY

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY

If the cost of the SI camera is only \$54 million, I would definitely recommend we proceed. I am sure that savings will result in the mapping process from the longer focal length camera. These savings will not be \$125 million as claimed, but will be enough to warrant a \$54 million price tag.

While we didn't win all the marbles, we had a good effect. Further, you will get a good reputation that you question items. This will have a salutary effect upon new material coming in. Sometimes they will have reduced requirements or made changes before we see the product, and many of these reductions would probably not be caught during our review. C'est le vie!

Harry Davis

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY

HEXAGON

CORONA

~~SECRET~~