

30 September 1971

MEMORANDUM FOR DR. McLUCAS

**SUBJECT: Aerospace Corp "Black Brochure" on STS Potential
for Reconnaissance Applications**

The attached document is the black brochure prepared by Aerospace Corp. for NASA. The document may be considered a BYEMAN supplement to a series of white documents (the white brochure) also prepared by Aerospace. Both the black and the white brochures were NASA-funded.

The black brochure is a collection of briefing aids with accompanying text. Topics covered are:

a. Brief conceptual descriptions of HEXAGON, GAMBIT-CUBED, [REDACTED]

b. Forecast for the late 1970s: high resolution readout photo systems, [REDACTED] configurations.

c. Hypothetical missions for the 1980s: VHR photography; visual reconnaissance from synchronous equatorial orbits; [REDACTED] satellites and multiple satellites for vulnerability protection;

d. A table of launch rates totaling about 12 per year in the post-1980s.

The white brochure material has been furnished to NASA; the black brochure has been forwarded to SAFSS for distribution instruction.

In considering what distribution to make of the black document I am influenced by NASA's planned use of the information which I understand is as follows: the black and white brochure

HEXAGON GAMBIT [REDACTED]

(b)(1)
(b)(3)

material will be furnished to a NASA editorial staff for use in preparing background promotional material for the STS. In my view there is a real risk that this BYEMAN material may be paraphrased or inexpertly sanitized by someone in NASA and then reappear in a NASA-generated document. A clean way to avoid this eventuality would be to withhold the black brochure now. A less positive method would be to ask NASA not to use the material but permit the document to be delivered to NASA but ask them not to use it.

I recommend that we withhold the document and notify Dr. Fletcher that it is available here for examination by cleared NASA personnel.

David D. Bradburn
Colonel, USAF