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20 April 1970

MEMORANDUM FOR: C. E. Roth

SUBJECT : Forwarding of Radiation Incorporated
Paper on High-Rate Information
Handling

PROGRAM 647 SAR



1. The attached paper was prepared as a result of [redacted] visit to RI earlier this year.

(b)(3)

2. RI has designed the "data compression" scheme used in Program 647 which employs a linear array of 2,000 infrared sensors in a spin scanning mode to detect ballistic launches and nuclear events from a synchronous altitude. The 647 raw-data rate which is roughly 20 MBps was compressed to 1 MBps to be compatible with the SGLS down link.

3. This paper may be of interest to EOI System, Spacecraft and Sensor people.

[redacted]

(b)(3)

GROUP 1
Excluded from automatic
downgrading and
declassification

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