MAY 24 1966
USS-10

National Aeronautics and Space Administration
Goddard Space Flight Center
Contract No. NAS-5-9299

ST — PR — 10492

AES "MOLNIYA-1" TRANSMITS THE EARTH'S IMAGE

(TASS COMMUNIQUE)

(USSR)

FACILITY FORM 602
N66-84309
(ACCESSION NUMBER)
3
(PAGES)
CR 75501
(NASA CR OR TMX OR AD NUMBER)
(THRU)
None
(CODE)
(CATEGORY)

23 MAY 1966

ST - PR - 10492

AES "MOLNIYA-1" TRANSMITS THE EARTH'S IMAGE

(TASS COMMUNIQUE) *

From Newspaper "PRAVDA"
NN. 139 (17456), 140 (17457)
MOSCOW, 19 & 20 May 1966

The artificial Earth's satellite "Molniya-1", launched on 25 April 1966, pursues its flight along a highly-elliptical orbit, successfully assuring the fulfillment of the projected program concerning the further working out and competent exploitation of the remote two-way television system and telephon-telegraph radiocommunication.

In accord with the program of scientific investigations on "Molniya-1" an experimental apparatus was installed on Molniya-1 besides the communication retranslation apparatus, for the observation of the Earth from large distances of outer space.

On 18 May 1966 one such experiment was conducted with the aid of this apparatus, and a television picture of the Earth was obtained for the first time. The photographs were taken from an altitude of 30 to 40 thousand kilometers. The images were received by command measurement complexes situated in various parts of the Soviet Union.

The television camera was directed at the Earth with the aid of an autonomous on-board homing system. Change of objectives and light filters was made in the course of the photographing process, which allowed to obtain the image of the Earth in different scales and to observe the elements of the Earth's surface of different illumination.

. . . .

Contract No. NAS-5-9299
Consultants & Designers, Inc.
Arlington, Virginia

Translated by Andre L. Brichant
on 23 May 1966.

(Picture on page 2)

* Translation as literal as possible.

PHOTOGRAPH OF THE EARTH FROM AES "MOLNIYA-1"

IMAGE OF THE EARTH OBTAINED WITH THE AID OF A LONG-FOCUS OBJECTIVE (LENS) WITH A LIGHT FILTER.

Situated in the visual field of the camera is the territory of the Northern hemisphere, including the sunlit regions of the Northern Glacial Ocean, North Atlantic, Europe and Asia, through the coasts of the Pacific Ocean.