

No. 6663

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**UNITED STATES OF AMERICA  
and  
ITALY**

**Exchange of notes (with Memorandum of Understanding dated 31 May 1962) constituting an agreement relating to a space science research program. Rome, 5 September 1962**

*Official texts: English and Italian.*

*Registered by the United States of America on 24 April 1963.*

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**ÉTATS-UNIS D'AMÉRIQUE  
et  
ITALIE**

**Échange de notes (avec Mémorandum d'accord du 31 mai 1962) constituant un accord relatif à un programme de recherche scientifique spatiale. Rome, 5 septembre 1962**

*Textes officiels anglais et italien.*

*Enregistré par les États-Unis d'Amérique le 24 avril 1963.*

No. 6663. EXCHANGE OF NOTES CONSTITUTING AN AGREEMENT<sup>1</sup> BETWEEN THE UNITED STATES OF AMERICA AND ITALY RELATING TO A SPACE SCIENCE RESEARCH PROGRAM. ROME, 5 SEPTEMBER 1962

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## I

*The Vice President of the United States of America to the Italian Minister for Foreign Affairs*

EMBASSY OF THE UNITED STATES OF AMERICA

Rome, September 5, 1962

No. 236

Excellency :

I have the honor to refer to previous conversations between representatives of the United States National Aeronautics and Space Administration and the Italian Space Commission of the National Council of Research regarding cooperation in a scientific experiment which proposes the placement in orbit around the earth of an Italian satellite from an Italian launching facility by means of a rocket provided by the National Aeronautics and Space Administration. The objective of the experiment is to perform measurements of atmospheric and ionospheric characteristics of the earth's atmosphere and to make the resulting scientific data freely available to the world scientific community.

The United States Government confirms the Memorandum of Understanding signed May 31, 1962 by the United States National Aeronautics and Space Administration and the Italian Space Commission, a copy of which Memorandum is enclosed. It is understood that implementation and direction of United States participation in the proposed scientific experiment shall be the responsibility of the United States National Aeronautics and Space Administration and that implementation and direction of Italian participation shall be the responsibility of the Italian Space Commission. The fulfillment and pace of progress of the scientific experiment shall be mutually determined by the two cooperating technical agencies and subject to the conditions which the two agencies have incorporated in the Memorandum of Understanding.

I have the honor to propose that this Note, together with Your Excellency's reply concurring therein and confirming the enclosed Memorandum of Understanding,

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<sup>1</sup> Came into force on 5 September 1962 by the exchange of the said notes.

shall constitute an Agreement between our two Governments, which shall enter into force on the date of Your Excellency's reply.

Accept, Excellency, the assurances of my highest consideration.

Lyndon B. JOHNSON  
Vice-President of the United States of America

Enclosure :

Memorandum of Understanding  
May 31, 1962

His Excellency Attilio Piccioni  
Minister for Foreign Affairs  
Rome

*COPY*

MEMORANDUM OF UNDERSTANDING BETWEEN THE ITALIAN SPACE  
COMMISSION OF THE NATIONAL COUNCIL OF RESEARCH AND THE  
UNITED STATES NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

1. The Italian Space Commission of the National Council of Research (The Commission) and the United States National Aeronautics and Space Administration (NASA) affirm a mutual desire to conduct a series of experiments which it is hoped will culminate in the launching of a scientific satellite into an equatorial orbit. The objective is to perform measurements of atmospheric and ionospheric characteristics in a region of the earth's atmosphere not previously explored and to make the resulting scientific data freely available. This experimental program is planned to consist of three phases :

(a) First phase—An appropriate sounding rocket will be utilized to provide a flight test of the principal elements of the scientific payload. This launching will take place from the Wallops Island Station and/or from an Italian platform of the San Marco type located near the equator.

(b) Second phase—A prototype of the ultimate satellite payload will be placed in orbit by means of a Scout booster launched from the Wallops Island Station.

(c) Third phase—A scientific satellite, bearing experiments as described above, will be placed in an equatorial orbit by means of a Scout booster launched from a platform of the San Marco type, located in equatorial waters.

2. The cooperating agencies shall proceed from each phase to the next upon mutual agreement that technical feasibility has been demonstrated and, in particular,

that environmental requirements for the third phase of the program have been satisfied.

3. The Commission shall, in general, assume responsibility for the following :

(a) Support of Italian personnel for any training required in launching, tracking, data reduction and analysis, and other elements of the program, as mutually agreed.

(b) Design, fabrication, and testing of all payloads, including satellite engineering.

(c) Such studies and action as are required to assure a mutually acceptable environment for transport, handling, and launching of the Scout in the third phase of the program.

(d) The availability, equipping, maintenance, and operation of the "San Marco" towable platforms.

(e) The establishment of a suitable launch complex for the third phase of the program, including range safety provisions, as mutually agreed.

(f) Launching of the satellite in the third phase of the program.

(g) Data analysis in all phases of the program.

(h) Tracking and data acquisition facilities required in Phase III that are particular to Project San Marco and which are not available from NASA.

(i) Support, logistics, and all other costs peculiar to Project San Marco.

4. The NASA shall be responsible, in general, for the following :

(a) Provision of an appropriate sounding rocket and backup, as mutually agreed, for the first phase of the program.

(b) The provision of Scout boosters with backups for the second and third phases of the program.

(c) Such training of Italian personnel as may be feasible, and as may be accommodated without significant incremental expense.

(d) Technical consultation, as appropriate.

(e) Such additional ground testing of the payloads as may be required.

(f) The provision of data to facilitate effective design, fabrication, and testing of the payloads.

(g) Tracking and data acquisition in the first and second phases of the program as can be accomplished by existing NASA sounding rocket and unmanned satellite tracking and data acquisition facilities.

(h) Provision of tracking and data acquisition services of the Quito, Ecuador, Minitrack Station in Phase three of the program, and such additional communications support at other locations as may be feasible on a non-interference basis, subject to the concurrence, as appropriate, of any foreign governments involved. Special equipment or personnel needed in this connection will be the responsibility of The Commission.

5. No exchange of funds is contemplated between the two cooperating agencies.
6. Each agency agrees to designate a single project manager who shall be responsible for coordinating the agreed functions and responsibilities of each agency with the other. Together they will establish a joint working group with appropriate membership. Details for implementation shall be resolved on a mutual basis within this working group.
7. The scheduling of each of the three phases of the program shall be as mutually agreed.
8. All launches which are a part of this program will be in such areas as may be agreed between the two agencies which shall consult their governments, as appropriate.
9. This Memorandum of Understanding shall be subject to the concurrence of the Italian Foreign Office and the U.S. Department of State, expressed through an exchange of notes.

For the Commission :

(Signed) Professor Luigi BROGLIO

Geneva-May 31, 1962

For NASA :

(signed) Dr. H. L. DRYDEN

## II

*The Italian Minister for Foreign Affairs to the Vice President of the United States of America*

[ITALIAN TEXT — TEXTE ITALIEN]

IL MINISTRO DEGLI AFFARI ESTERI

Roma, 5 settembre 1962

Signor Vice Presidente,

ho l'onore di riferirmi alla Sua Nota in data odierna del seguente tenore :

« Ho l'onore di riferirmi alle precedenti conversazioni tra i rappresentanti della National Aeronautics and Space Administration degli Stati Uniti e la Commissione Spaziale Italiana del Consiglio Nazionale delle Ricerche circa la cooperazione in un esperimento scientifico che si propone il collocamento in orbita intorno alla Terra di un satellite italiano lanciato da una base italiana per mezzo di un razzo fornito dalla National Aeronautics and Space Administration. L'esperimento ha l'obiettivo di misurare le caratteristiche atmosferiche e iono-

[TRANSLATION<sup>1</sup> — TRADUCTION<sup>2</sup>]

THE MINISTER OF FOREIGN AFFAIRS

Rome, September 5, 1962

Mr. Vice President :

I have the honor to refer to your note of this date, which is of the following tenor :

[*See note I*]

I have the honor to inform you, Mr. Vice President, that the Italian Government agrees to the foregoing.

Accept, Mr. Vice President, the assurances of my highest consideration.

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Enclosure :

Memorandum of Understanding dated May 31, 1962<sup>3</sup>

The Honorable Lyndon B. Johnson  
Vice President of the United States of America  
Rome

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<sup>1</sup> Translation by the Government of the United States of America.

<sup>2</sup> Traduction du Gouvernement des États-Unis d'Amérique.

<sup>3</sup> See p. 187 of this volume.