

# SECOND INTERNATIONAL SYMPOSIUM ON EQUATORIAL AERONOMY

6 - 17 September 1965



FIRST CIRCULAR  
JAN. 65



C.N.Pq. — C.N.A.E.  
São José dos Campos  
São Paulo, Brasil



# **SECOND INTERNATIONAL SYMPOSIUM ON EQUATORIAL AERONOMY**

## **GENERAL**

An International Symposium on Equatorial Aeronomy was held in Peru, September 18-26, 1962; its results were published in May 1st, 1963, issue of the Journal of Geophysical Research.

A Second International Symposium on Equatorial Aeronomy will be held in the State of São Paulo, Brazil, during the period September 6-17, 1965. Accommodation and all facilities are being provided by the Brazilian "Comissão Nacional de Atividades Espaciais" (CNAE) at São José dos Campos in São Paulo.

The International Association of Geomagnetism and Aeronomy (I.A.G.A.) of the International Union of Geodesy and Geophysics (I.U.G.G.) has agreed to sponsor the meeting and the International Scientific Radio Union (U.R.S.I.) is also considering the possibility of sponsoring the Symposium.

## **PARTICIPATION**

Invitations will be issued before April 8, 1965 to workers who are actively engaged in equatorial aeronomy, to authorities who will contribute substantially to the scientific discussions, and also to those who will derive substantially from the discussions.

Applications will be considered according to the above criteria, but the total number in attendance will be kept to about 60 persons in order to preserve the intimacy necessary for lively discussions.

Applications should be sent as soon as possible but definitely before 1 June 1965 to:

Dr. Fernando de Mendonça,  
Secretary — Scientific Programme Committee,  
International Symposium on Equatorial Aeronomy,  
C.N.A.E. — São José dos Campos,  
São Paulo, BRASIL.

and a copy of the application should be sent to:

Professor Raymond W. H. Wright,  
Chairman, Scientific Programme Committee,  
International Symposium on Equatorial Aeronomy,  
Department of Physics,  
University of the West Indies,  
Kingston 7,  
JAMAICA.

Travel expenses to and from São Paulo will be arranged by the participants. In case of necessity, limited financial assistance may be available and a formal request should be made to Dr. de Mendonça at the above address.

### SCOPE

The technical sessions will open with an invited survey paper followed by the presentation of related short papers, but most of the time will be devoted to scientific discussions and summations. Prepared contributions should either present recent advances in our knowledge or present new interpretations and are intended to stimulate discussion and argument. Particular attention will be directed to the gaps in our understanding and the ways in which these could be filled.

Subjects to be discussed are: —

1. (A) The D region  
(B) Absorption in all layers by all methods.
2. The E Region  
(A) The regular equatorial E layer and its dynamics  
(B) Irregularities and drifts in the equatorial E region  
(C) Magnetic variations, the equatorial electrojet, and the low latitude current system  
(D) Airglow
3. The F region  
(A) The regular equatorial layers and their dynamics

- (B) Top-side studies
  - (C) Ionosphere storms
  - (D) Irregularities and drifts in the equatorial F region
  - (E) Airglow
4. The F region
- (A) Geomagnetic pulsations
  - (B) Whistlers and the exosphere
  - (C) Synchrotron radiation
  - (D) Sunspot maximum 1968

The I.Q.S.Y. will be nearly over at the time of the symposium and there will be discussion on the success and achievements of the equatorial projects.

The above is a preliminary agenda and comments and suggestions are welcomed by Professor Wright and his Committee.

Whilst the contributions containing new work will be published and it is probable that it will be considered worth arranging for them to be published together as was done at the First Symposium in 1962, the publication of the work is not the important part of the symposium. The main aim is to stimulate by the exchange of ideas and results, so that the lasting effect of the symposium is not the publication of work done before it takes place but the renewed vigour and substance of the work done afterwards.

## **LOCALE**

The sessions will be held at the Space Physics Laboratory of the "Comissão Nacional de Atividades Espaciais" (CNAE), which is located about 5 km from the town of São José dos Campos. Room and board will be provided, at no expenses to the participants, by C.N.A.E.. Special bus transportation will be provided on September 5 from São Paulo (SP) to S.J. dos Campos (approximately 90 km — 4 lanes paved highway) and return to São Paulo on September 18. Comercial bus and train transportations are very frequent, with over 30 round trips daily.

Hotel reservations in the São Paulo and Rio de Janeiro areas, prior

to September 5 and after the Symposium, can be arranged by the secretariat.

### **SCIENTIFIC PROGRAMM COMMITTEE**

- Professor R.W. Wright, Chairman  
Department of Physics, University of the West Indies
- Dr. Fernando de Mendonça, Secretary  
CNAE (CTA) S. José dos Campos — SP — Brazil
- Dr. Don Farley  
Jicamarca Radio Observatory,  
Instituto Geofísico del Perú
- Dr. Sadami Matsushita  
High Altitude Observatory,  
University of Colorado
- Ing. Alberto Giesecke  
Instituto Geofísico del Perú
- Dr. Arthur Lyon  
Department of Physics,  
University College, Ibadan, Nigeria
- Mr. Edwin Chernosky  
Ionospheric Physics Laboratory  
CRFG, AFCRL, U.S.A.
- Professor A.T. Price (I.A.G.A.)  
University of Exeter, Exeter, Devon, England
- Delegate to be appointed by U.R.S.I.

### **BRAZILIAN NATIONAL ARRANGEMENTS COMMITTEE**

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Space Research Commission (CNAE)  
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