

# SECOND INTERNATIONAL SYMPOSIUM ON EQUATORIAL AERONOMY

6 - 17 September 1965

24,00



SECOND CIRCULAR  
AUG. 65

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



## **Scientific Program Committee**

Prof. R.W.H. Wright, Chairman  
Dr. F. de Mendonça, Secretary  
Mr. Edwin J. Chernosky  
Ing. Alberto Giesecke  
Prof. Arthur J. Lyon  
Prof. Sadami Matsushita  
Prof. A. T. Price  
Delegate to be appointed by U.R.S.I.

## **Brazilian National Arrangements Committee**

Dr. A.M. Couceiro, Chairman  
President of Conselho Nacional de Pesquisas  
Maj. Brig. O. Balloussier  
President of Grupo de Trabalhos e Estudos Especiais (F.A.B )  
Prof. Lélío Gama  
Director of Observatório Nacional  
Prof. A. de Moraes  
President of Comissão Nacional de Atividades Espaciais (C.N.A.E.)  
Prof. F. X. Roser  
Director of Instituto de Física (P.U.C.)  
Prof. L.Q. Orsini  
Universidade de São Paulo  
Col. S. Sobral de Oliveira  
Director of Instituto de Pesquisas e Desenvolvimento (C.I.A.)  
Col. A. Maurício  
Instituto Militar de Engenharia  
Comdr. G. Maia  
Instituto de Pesquisas da Marinha  
Dr. F. de Mendonça, Secretary  
Scientific Director of. C.N.A.E.

## **Symposium Center**

The Symposium will be held at the Auditorium of the COMISSAO NACIONAL DE ATIVIDADES ESPACIAIS (C.N.A.E.) in SAO JOSE DOS CAMPOS in the State of São Paulo.

The mail address is:

International Symposium on Equatorial Aeronomy  
c/o C.N.A.E., São José dos Campos, São Paulo  
**BRASIL**

## **Secretariat**

The Comissão Nacional de Atividades Espaciais will provide secretarial services for the delegates.

At São José dos Campos the Secretariat will attend delegates and guests, preferably when there are no scientific sessions in progress. Services will include information and assistance with travel, communications, postal service, currency exchange and recreation.

Projection facilities for all sessions will be available for 35-mm (2" x 2") and 3.25" x (3.25" or 4") slides. In addition there will be a lecturing desk projector which illuminates a screen in back of the speaker for projecting pencilled notes.

## **Hospitality**

The C.N.A.E., as official host to the Symposium delegates, will provide transportation from São Paulo to São José dos Campos and return, and the basic hotel accommodations and cuisine at São José dos Campos.

## **Sessions**

### **Admission**

Admission to the Auditorium will be by Conference badge only, and is limited to the official delegates and to members and represen-

tatives of the Brazilian National Arrangements Committee and of the Secretariat.

The final summary session will be held in Rio at Brazilian Academy of Sciences.

### **Abstracts**

Abstracts for the review papers that begin the session (200 words) when appropriate, and those for the presentation of recent results (100 words), will be mimeographed and distributed upon their submission to the Scientific Program Committee via the Secretariat. For the short abstracts, a session should be recommended by the contributor.

### **Discussion Leaders**

The term "discussion leader" is being used to describe the moderator (and activator) of each session, instead of the more customary term, "chairman". This distinction is necessary because at this Symposium it is hoped that each discussion leader will help promote the Symposium aims by playing an active role. First, he is expected to motivate the discussion by reviewing previous results and indicating the outstanding problems in the field. Then, throughout the course of the session, he needs to maintain the logical order of presentation and discussion.

Inasmuch as the persons selected for this task are necessarily those who are active in the field, they themselves will usually have a considerable amount of material to present to the Symposium during the course of their own session. They should not hesitate to do this.

It is hoped that the discussion leaders will achieve in their sessions the atmosphere of a factfinding rather than passively presiding over a series of formal presentations before a passive audience. In this way, the discussion leaders can steer the discussions toward establishing what physical results have been achieved and what problems still remain.

### **Physical arrangements in the conference room**

An Auditorium was built with 100 seats for deployment of persons in a way to achieve intense and concentrated scientific discussions at this Symposium.

## **Organization**

Although there is some latitude in the organization of the sessions by the various discussion leaders, certain uniform considerations are strongly urged:

1) The total length of each sessions is limited to three hours. Normally about half of that period should consist of discussion.

2) Each session will commence with a review of published literature in the field under discussion. (Material actually in press can be included if a reference is given). It is recommended that reviews be limited to 30 minutes.

3) Following the review, or possibly interspersed with it, will be a series of short presentations of recent results. These presentations are limited to 10 minutes each, but there is no restriction on how many of these can be given by a single contributor as long as they are on sufficiently different subject matter. It is emphasized that only unpublished results may be presented in these 10 minutes talks.

4) At his discretion, the discussion leader may wish to allow about 5 minutes for questions and/or discussion following each short presentation.

## **Publication**

Preprints of manuscripts submitted for presentation at the meeting will be placed in pigeon holes at the lobby of the Auditorium.

## **Arrival Assistance**

Delegates are requested to arrive, preferably at Congonhas Airport in São Paulo City, where assistance service will be provided regarding hotel accommodations and transportation to the Symposium Center.

Nevertheless, assistance personnell will be found also at Galeão Airport in Rio and at Viracopos Airport in Campinas to take care of arrangements and transportation to São Paulo.

Those who plan to arrive at a later date are requested to advise the Secretary of the Brazilian National Arrangements Committee in order that he can provide facilities and transportation arrangements to São José dos Campos. Signs will be posted, but in doubt, contact the information desk.

## PROGRAM

The events at São José dos Campos will usually adhere to the following daily schedule:

- 0900-1230 morning session (coffee break, 1030-1100)
- 1300-1400 lunch
- 1500-1830 afternoon session (coffee break, 1630-1700)
- 1930-2030 dinner
- 2030 Social Program

### Scientific Program

At São José dos Campos

Monday, 6th

0900-1000 Formal opening

Official greeting by Dr. A. M. Couceiro, Chairman  
of the Brazilian National Arrangements Com-  
mittee.

1000-1230 Session 1

Discussion of national and local arrangements and  
of the general program for the stay in Brazil —  
— F. de Mendonça.

Discussion of the philosophy, organization and  
conduct of the Symposium — R.W.H. Wright.  
General discussion of the organization of the Sym-  
posium; questions and answers.

1500-1830 Session 2

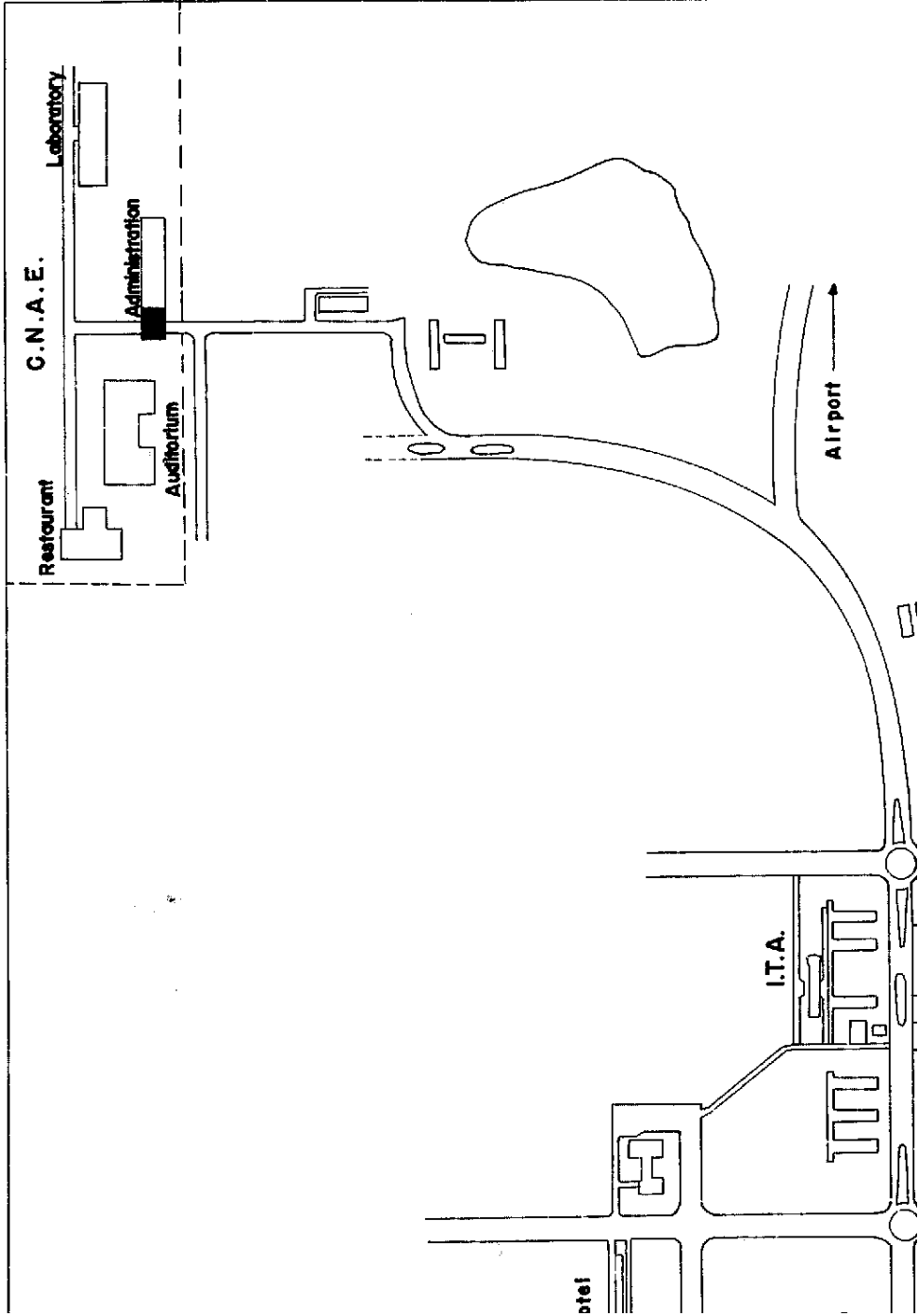
D Region

Discussion leader: R.W.H. Wright  
Reviewer: A. C. Aikin

Tuesday, 7th

0900-1230 Session 3

Regular E Region and Sporadic E  
Discussion leader: K. I. Maeda  
Reviewer: D. T. Farley



1500-1830 Session 4

Regular E Region and Sporadic E  
Discussion leader: K. I. Maeda  
Reviewer: D. T. Farley

Wednesday, 8th

0900-1230 Session 5

Low Latitude Current System Including Electrojet and  
Magnetic Variations  
Discussion leader: J. Cain  
Reviewer: S. Matsushita

1500-1830 Session 6

Absorption in the Ionosphere  
Discussion leader: W. A. Piggott  
Reviewer: N. J. Skinner

Thursday, 9th

0900-1230 Session 7

Airglow  
Discussion leader: S. M. Silverman  
Reviewer: F. E. Roach

1500-1830 Session 8

The Regular Low Latitude F Region Bottom and Top-  
side Studies  
Discussion leader: A. J. Lyon  
Reviewer: J. W. King

Friday, 10th

0900-1230 Session 9

The Regular Low Latitude F Region Bottom and Top-  
side Studies  
Discussion leader: A. J. Lyon  
Reviewer: J. W. King



1500-1830 Session 10

The Regular Low Latitude F Region Bottom and Top-side Studies

Discussion leader: A. J. Lyon

Reviewer: J. W. King

Monday, 13th

0900-1830 Session 11

Magnetic and Ionospheric Storms

Discussion leader: S. Chapman

Reviewer: A. Onwumechilli

1500-1830 Session 12

Magnetic and Ionospheric Storms

Discussion leader: S. Chapman

Reviewer: A. Onwumechilli

Tuesday, 14th

0900-1230 Session 13

F Region Disturbances and Irregularities

Discussion leader: F. de Mendonça

Reviewer: R. Cohen

1500-1830 Session 14

Ionospheric Drifts

Discussion leader: J. P. Dougherty

Reviewer: G. S. Kent

Wednesday, 15th

0900-1230 Session 15

Low Latitude Magnetic Pulsations

Discussion leader: J. R. Heirtzler

Reviewer: W. H. Campbell

1500-1830 Session 16

Exosphere

Discussion leader: W. B. Hanson

Reviewer: J. O. Thomas

Thursday, 16th

0900-1230 Session 17

Miscellaneous Topics and Future Plans

1500-1830 Session 18

Miscellaneous Topics and Future Plans

Friday, 17th

1400 Session 19

Summaries and Final Session

Chairman: R. W. H. Wright

### **Social Program**

The Brazilian National Arrangements Committee will provide a program of social activities and entertainment at September 6, 8, 10, 12, 13 and 15 starting usually at 20:30. A detailed schedule of the activities will be distributed to the delegates upon their arrival.

### **Weather**

The weather in São José dos Campos at this time of the year is mild with temperatures in the range 60-73° F. with little precipitation. Thus light clothing should be worn.