

south of  $-30^\circ$  declination. With regard to the work at Yale Schlesinger remarked that the zone  $+20^\circ$  to  $+30^\circ$  which has just been finished has required many new experiments. It will be possible to finish future zones in about half the time.

The President proposed the nomination of a sub-committee for dealing with the re-observation by means of photography of the A.G. zones and the observations of standard stars for the reduction of the plates.

The sub-committee was constituted as follows:

Schlesinger, chairman; Boss, Jackson, Spencer Jones, Kopff, A. Lambert, Moreau and Morgan, members.

The following recommendation was proposed by Dr A. Lambert and approved by the Commission:

“La Commission prend en considération la proposition de M. Mineur, relative à l'étude des mouvements propres des étoiles éloignées de la galaxie; elle recommande l'observation des étoiles de son programme, programme reproduit succinctement dans le rapport du Président (p. 31 (1) (a)). Elle souhaite pour cet objet une entente entre un certain nombre d'Observatoires, entente qui pourrait être provoquée par le Président de la Commission.”

It was stated by M. A. Lambert that a list of about 4000 stars north of  $-15^\circ$  had been prepared. One-third of the list is being observed at the Paris Observatory, another third in Uccle. The co-operation of other observatories is invited.

#### *Commission 9. (ASTRONOMICAL INSTRUMENTS.)*

ACTING PRESIDENT: M. le Comte de la Baume Pluvinel.

SECRETARY: Prof. H. Chrétien.

The Commission discussed and adopted the President's report and passed the following resolution for submission to the General Assembly:

“La Commission souhaite que l'on se mette d'accord pour définir des nombres caractéristiques pouvant représenter les qualités optiques des grands instruments.”

#### *Commission 12. (SOLAR PHYSICS.)*

PRESIDENT: Dr C. E. St John.

SECRETARY: Dr M. Minnaert.

Dr St John explained why it would be necessary to reorganize Section 12. In the Committee there were too many members and too many sections. It was impossible for the President to write to 70 persons! At the request of the general secretary, propositions would be made for a fresh arrangement.

A first scheme was drawn up by Dr St John, Prof. Abetti, Prof. Brunner, Dr d'Azambuja and Dr Minnaert, in a preliminary meeting where they discussed the reorganization problem. This scheme was as follows:

A. Solar Eclipses.

B. Solar Physics.

1. Sun-spots, positions and areas.
2. Sun-spot numbers and character figures.
3. Prominences.
4. Spectroheliograph.
5. Solar radiation: ultra-violet and total.