

the acting chairman, upon which comment was then invited. Dr Shapley spoke briefly, and moved the acceptance of the report. The motion was carried.

Mme Roberts presented to the Commission a copy of the second Atlas of Herschel's 52 Nebulous Regions, made from camera charts similar to those included in the first Atlas, and intended for the use of observers with small instruments. This was followed by short reports and suggestions from several of those present. Prof. Lindblad announced that it was intended to apply the new thirty-six inch reflector of the Stockholm Observatory to nebular problems. Dr Adams discussed briefly the bright nova of 1931, with details as to spectrum and absolute magnitude. Dr Carpenter remarked that the work on the Steward Observatory zone was nearly finished. Dr Van de Kamp drew attention to the application of the extra-galactic nebulae in discussing the distribution of dark material in our own system. Dr Oort commented on the connection between the apparent distributions of faint stars and extra-galactic nebulae. Dr Menzel outlined his work on the solution of a generalized form of Milne's special case of radiative equilibrium. He also warned against over-emphasis by the committee of the extra-galactic nebulae, as compared with planetary nebulae, and suggested the creation of a sub-committee to deal with the latter problem. It was decided to refer the question of the appointment of such a sub-committee to the Chairman of the Commission.

Dr Schilt announced that he had been delegated by Commission 27 to request that Commission 28 adopt the following recommendation:

"It is recommended that variable star workers note the importance of more accurate determinations of the epochs of cluster type variables, particularly in globular clusters that have large numbers of variable stars."

The recommendation was adopted.

The acting chairman brought up the question of including our own galaxy in the scope of the Commission's activities. Dr Shapley was of the opinion that the inclusion should be informal, and incidental to the real aims of the Commission.

Commission 29. (STELLAR CLASSIFICATION.)

PRESIDENT: Prof. H. N. Russell.

SECRETARY: Dr C. S. Beals.

The Commission held two meetings and the time was taken up almost entirely in a discussion of stellar classification.

Dr J. S. Plaskett moved, seconded by Miss Payne, that a sub-committee be appointed to consider the classification of Wolf Rayet and related spectra.

The committee was appointed as follows: Miss C. H. Payne, Prof. H. H. Plaskett, Dr C. S. Beals, Chairman.

Dr W. S. Adams moved, seconded by Dr J. S. Plaskett, that a sub-committee be appointed to tabulate and bring up to date criteria of classification for both high and low dispersion at present in use throughout the stellar sequence.

The committee was appointed as follows: Miss A. J. Cannon, Dr O. Struve, Prof. H. H. Plaskett, Dr B. Lindblad, Dr W. S. Adams, Chairman.

Commission 30. (RADIAL VELOCITIES.)

PRESIDENT: Dr J. S. Plaskett.

SECRETARY: Dr W. E. Harper.

The Report as printed was discussed section by section. Section I being only a summary of progress was, with the correction of a typographical error, accepted.