

C 19	"	4650—4900
20	"	4900—5150
21	"	5150—5400
22	"	5400—5650
23	"	5650—5900
24	"	5900—6150
25	"	6150—6400
26	"	6350—6600

## SERIES D. STELLAR SPECTRA

- D 2 Spectrum of the Wolf-Rayet star B.D. +30°3639 having an atmosphere of hydrogen, showing the hydrogen series from  $H\beta$  to  $H\zeta$ , made with the focal plane spectrograph
- 3 Spectrum of  $\alpha$  *Tauri*  $\lambda$ 4320 to  $\lambda$ 4430 iron comparison spectrum, made with the Cassegrain spectrograph
- \*4 Types of stellar spectra. Nine types from B to N
- 5 Absolute magnitude effect.  $61$  *Cygni* and  $\beta$  *Ursae Minoris*
- 6 Absorption in space
- 7 Spectra of stars of high and low radial velocity; Lal. 1966, -325 km. and a second star, velocity -10 km.
- 8 Spectrum of a spectroscopic binary, showing shifts of lines toward V and R on two exposures
- 9 Spectrum of the star cluster Messier 13, *Hercules*
- 10 Spectrum of the central part of the nebula in *Andromeda*
- 11 Spectrum of the spiral nebula N. G. C. 4594
- 12 Spectrum of the nebula in *Orion*
- 13 Spectra of Wolf-Rayet stars B.D. -21°4864 and +35°4013. These are extreme types of these stars
- 14 Spectrum of the star Boss 5650, showing peculiar character of  $H\beta$  and  $H\gamma$
- 15 Spectrum of the Cepheid variable star TU *Cassiopeiae* at maximum, October 7, 1917, and at minimum, September 30, 1917
- 16 Spectrum of the Cepheid variable star RT *Aurigae* at maximum and minimum
- 17 Spectra of N or Fourth type stars, 19 *Piscium*, and B.D. +25°205, +57°702 and +38°1539. Blue region
- 18 Spectra of *Omicron Ceti (Mira)*, October 5 and November 23, 1917, and January, 1918
- 19 Spectrum of *Omicron Ceti (Mira)*, large scale, November 1, 1917