D 20 Spectrum of γ*Cygni,* showing enhanced lines
Spectrum of λ*Aurigae,* showing normal lines

*21 Seven stars having unusual spectra B.D.+23°123; θ *Ceti;* R *Aquarii;* B.D.+11°4673; T *Tauri;* Nova *Aquilae;* Nova *Ophiuchi*

*22 Spectrum of *Omicron Ceti,* taken 9, 53, 87, 130, 144, 174 and 188 days after maximum

*23 Typical spectra of giant stars of types F to M

*24 Typical spectra of dwarf stars of types F to M

SERIES E. LABORATORY SPECTRA

E 1 Photographs of spectrum of titanium: *a, b* and *c,* given by carbon resistance furnace, temperature approximately 2000°, and 2400° and 2600° C., respectively; *d,* given by the arc (lines in furnace not given by arc for the most part due to impurities)

2 Photographs of spectrum of iron and vanadium: *a,* without magnetic field; *b,* with magnetic field, light vibrations perpendicular to lines of force; *c,* with magnetic field, light vibrations parallel to lines of force

3 Three sets of triplets in the spark spectrum of iron

4 Zeeman effect for chromium (31,700 gausses) λ 4613 to λ 4626

*5 Stark effect for chromium and hydrogen line Hγ. Three groups. Regions $\lambda\lambda$ 4098-4111-4129, $\lambda\lambda$ 5006-5028-5056, $\lambda\lambda$ 5275-5297-5329

SERIES F. SELECTED STAR FIELDS

Slides under this heading will be made to order from such negatives of the Kapteyn Selected Areas as are available

SERIES G. NEBULAE AND STAR CLUSTERS

PHOTOGRAPHS TAKEN WITH THE 60-INCH REFLECTOR

*G 1	M 42	N.G.C. 1976		*Orion,* Great Nebula (central portion), exposure 45 min., September 16, 1909
*2	31		224	*Andromeda,* Great Nebula (central portion), exposure 2 hrs., October 13, 1909
*3	20		6514	*Sagittarius,* Trifid Nebula, exposure 2 hrs. 26 min., June 4 and 5, 1910
†*4	51		5194	*Canes Venatici,* Spiral Nebula, exposure 10 hrs. 45 min., April 7 and 8, 1910
*5	33		598	*Triangulum,* Spiral Nebula, exposure 8 hrs. 30 min., August 5, 6, 7, 1910