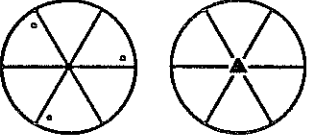
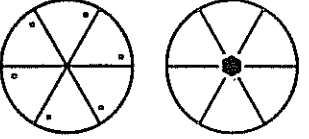
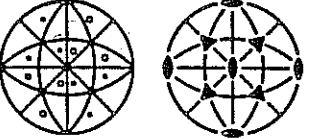
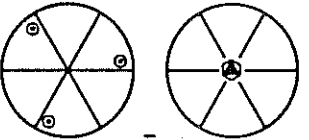
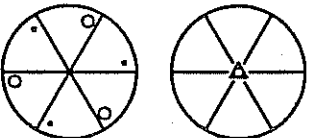
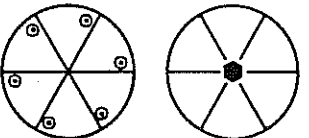
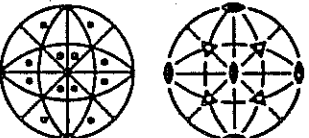
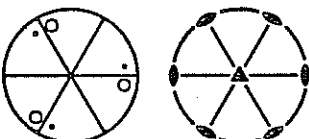
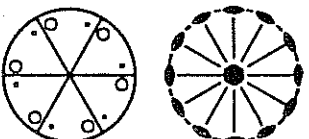
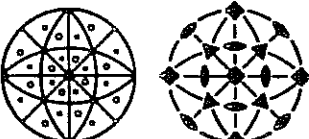
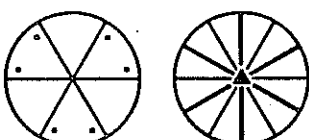
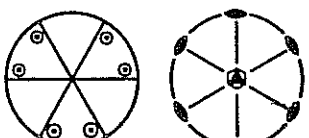
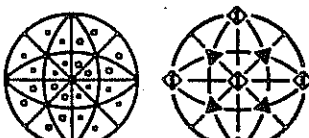
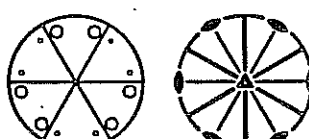
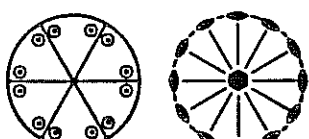
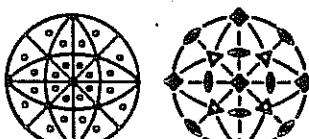


STEREOGRAPHIC PROJECTIONS FOR THE 32 CRYSTALLOGRAPHIC POINT GROUPS^a

	Triclinic	Monoclinic (1st setting)	Tetragonal
X	 1	 2	 4
\bar{X} (even)	—	 $m(\bar{2})$	 $\bar{4}$
X (even) plus center and \bar{X} (odd)	 1	 $2/m$	 $4/m$
	Monoclinic (2nd setting)	Orthorhombic	
$X2$	 2	 222	 422
Xm	 m	 $mm2$	 $4mm$
$\bar{X}2$ (even) or $\bar{X}m$ (even)	—	—	 $\bar{4}2m$
$X2$ or Xm plus center and $\bar{X}m$ (odd)	 $2/m$	 mmm	 $4/m\bar{3}m$

^a (Reproduced, by permission, from the International Tables for X-Ray Crystallography, Kynock Press, Birmingham)

Trigonal	Hexagonal	Cubic	
 <p style="text-align: center;">3</p>	 <p style="text-align: center;">6</p>	 <p style="text-align: center;">23</p>	X
—	 <p style="text-align: center;">$\bar{6}$</p>	—	\bar{X} (even)
 <p style="text-align: center;">$\bar{3}$</p>	 <p style="text-align: center;">$6/m$</p>	 <p style="text-align: center;">$m\bar{3}$</p>	X (even) plus center and \bar{X} (odd)
 <p style="text-align: center;">32</p>	 <p style="text-align: center;">622</p>	 <p style="text-align: center;">432</p>	X2
 <p style="text-align: center;">$3m$</p>	 <p style="text-align: center;">$6mm$</p>	—	Xm
—	 <p style="text-align: center;">$\bar{6}m2$</p>	 <p style="text-align: center;">$\bar{4}3m$</p>	$\bar{X}2$ (even) or $\bar{X}m$ (even)
 <p style="text-align: center;">$\bar{3}m$</p>	 <p style="text-align: center;">$6/m\bar{m}m$</p>	 <p style="text-align: center;">$m\bar{3}m$</p>	X2 or Xm plus center and $\bar{X}m$ (odd)