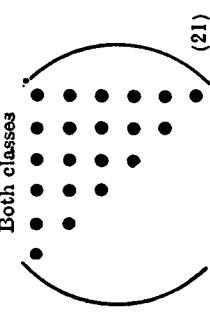
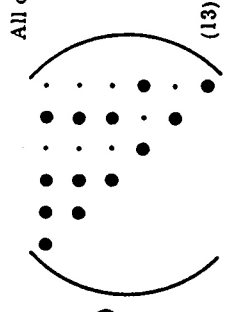
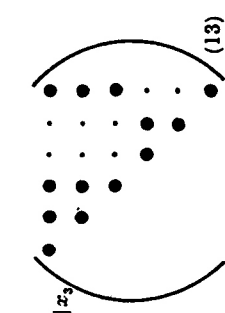
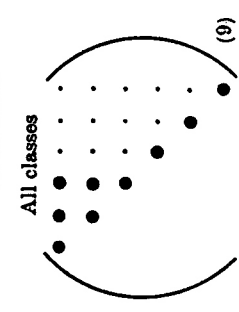
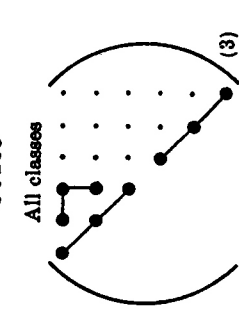
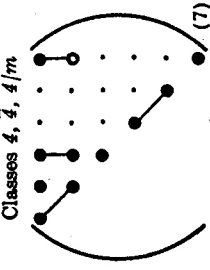
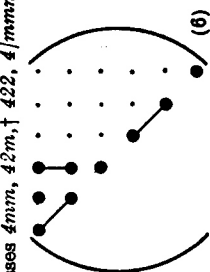
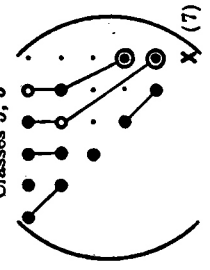
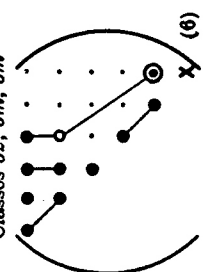
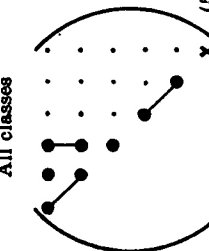
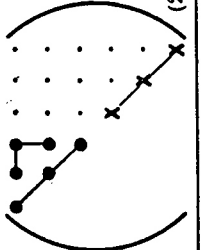


TABLE 9

Form of the (s_{ij}) and (c_{ij}) matrices

KEY TO NOTATION	
•	zero component
•	non-zero component
—•—•—	equal components
—•—•—	components numerically equal, but opposite in sign
—•—•—	twice the numerical equal of the heavy dot component to which it is joined
For s	⊙
For c	⊙
For s	×
For c	×
For s	×
For c	×
All the matrices are symmetrical about the leading diagonal.	

TRICLINIC	
Both classes	 (21)
MONOCLINIC	
All classes	 (13)
Diad $\parallel x_2$ (standard orientation)	 (13)
ORTHORHOMBIC	
All classes	 (9)
Cubic	 (3)

TETRAGONAL	
Classes $4, \bar{4}, 4/m$	 (7)
Classes $4mm, \bar{4}2m, \dagger 422, 4/mmm$	 (8)
TRIGONAL	
Classes $3, \bar{3}$	 (7)
Classes $32, \bar{3}m, 3m$	 (6)
HEXAGONAL	
All classes	 (5)
ISOTROPIC	
	 (2)

The form of the matrix given in the table for a completely isotropic material is obtained from the cubic matrix by requiring that the components should be unaltered by rotations of 45° about the reference axes. It may be verified that the form so given is unaltered by any rotation of axes. For second-rank tensor properties cubic crystals were

† The same matrix holds for both possible orientations of class $\bar{4}2m$ ($2 \parallel x_1$ and $m \perp x_1$) since the addition of a centre of symmetry makes the two orientations indistinguishable