

P L A T E S

<u>NUMBER</u>		<u>AFTER PAGE NO.</u>
1	$B^2_{\Sigma} - X^2_{\Sigma}$ system of CaCl molecule at a dispersion of 1.2 Å°/mm.	78
2	$B^2_{\Sigma} - X^2_{\Sigma}$ system of CaCl molecule at a dispersion of 1.2 Å°/mm.	78
3	$D^2_{\Sigma} - X^2_{\Sigma}$ system of CaBr molecule at a dispersion of 3.5 Å°/mm.	97
4	$D^2_{\Sigma} - X^2_{\Sigma}$ system of CaBr molecule revealing isotopic effect (1.8 Å°/mm)	97
5	$E^2_{\Delta} - A^2_{\pi}$ system of CaI molecule at a dispersion of 7.3 Å°/mm.	104
6	$D^2_{\Sigma} - X^2_{\Sigma}$ system of SrI molecule at a dispersion of 1.8 Å°/mm	112
7	Spectrogram of BaI molecule taken on glass spectrograph.	116
8	$C^2_{\pi_{1/2}} - X^2_{\Sigma}$ system of BaI molecule at a dispersion of 3.7 Å°/mm.	117
9	$C^2_{\pi_{3/2}} - X^2_{\Sigma}$ system of BaI molecule	117
10	$D^2_{\Sigma} - X^2_{\Sigma}$ system of BaI molecule at a dispersion of 7.3 Å°/mm.	135
11	$E^2_{\Sigma} - X^2_{\Sigma}$ system of BaI molecule at a dispersion of 7.3 Å°/mm.	135
12	Rotational structure of 0,0 band of $B^2_{\Sigma} - X^2_{\Sigma}$ system of CaCl.	149