

ment with other experimental results could not be explained within the limits of the claimed errors.

TABLE 1

Multi-plet	Wave-length (Å)	Transition	Griem (1964) (Å)	Roberts (1968) (Å)	Bengtson (1968) (Å)	Present experiment (Å)
2	8585	$4 s^4 P_{3/2} - 4 p^4 D_{5/2}^{\circ}$	0.36	—	—	$0.70 \pm 0.10$
2	8212	$4 s^4 P_{5/2} - 4 p^4 D_{5/2}^{\circ}$	0.33	1.73	$3.5 \pm 0.5$	—
14	8686	$4 s^2 P_{3/2} - 4 p^4 S_{3/2}^{\circ}$	0.38	1.61	$1.6 \pm 0.5$	$0.73 \pm 0.11$
4	7924	$4 s^4 P_{1/2} - 4 p^2 P_{3/2}^{\circ}$	0.34	—	—	$1.28 \pm 0.19$
5	7745	$4 s^4 P_{1/2} - 4 p^2 S_{3/2}^{\circ}$	0.27	1.65	$2.8 \pm 0.6$	$1.34 \pm 0.20$

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### 3.4 A comparison of calculated and observed transition probabilities of Cu and Ag

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### 3.5 A study of excitation in a free burning arc from 1 to 14 Å

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