

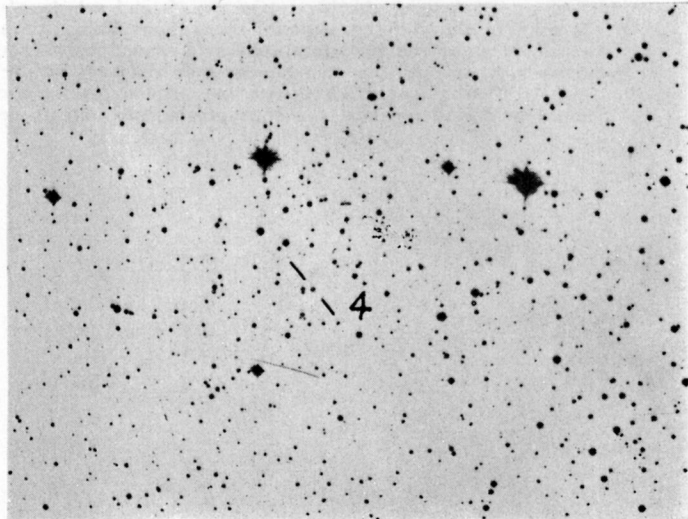
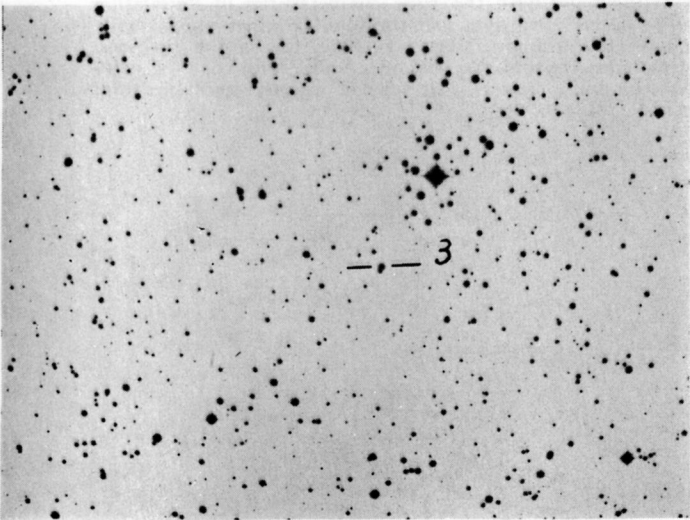
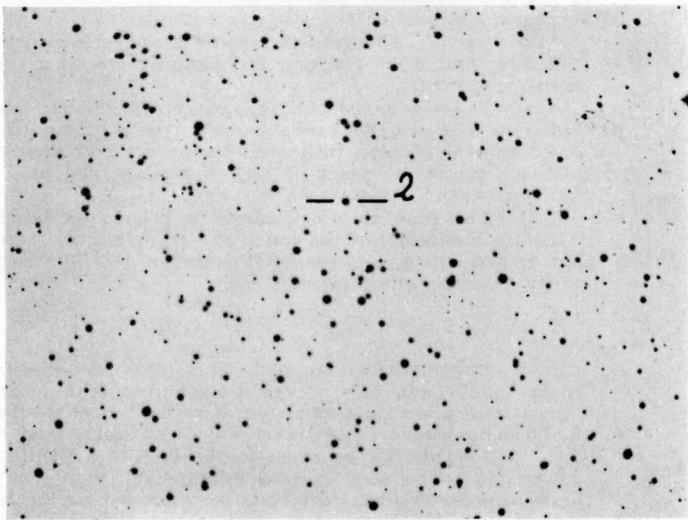
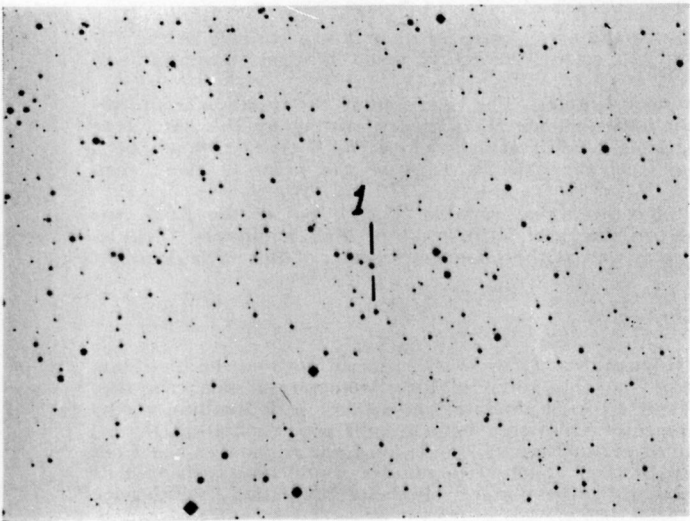
FOUR STARS OF LARGE PROPER MOTION
IN THE ORION REGION

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While examining plates taken with the Palomar 48 inch Schmidt telescope of the region immediately following the Orion Nebula, four stars of large proper motion were found by one of the authors (G. H.). All the measurements were made by the other author (W. L.). Data and identification charts for these are given below. Since the interval between the plates was only 8.6 years, the mean errors of the motions may well be as much as 0".04 annually.

The first three stars appear to be red and are probably ordinary M dwarfs. Star N° 2 is identical with LTT2353. The last star is distinctly less red and appears to have a colour corresponding to G5 or K; since it probably has an absolute magnitude of at least +16 it would seem to be a degenerate star similar to W 489 or L 879-14 and should have an interesting spectrum.

	1950 pos		<i>m</i>	<i>pg</i>	μ	<i>dir.</i>
1	5 ^h 39 ^m 14 ^s	-5°47'3	17.0		0".98	352
2	39 38	-7 02.7	16.4		0.33	166
3	45 03	-5 12.8	16.3		0.86	136
4	5 52 59	-4 09.0	15.7		2.36	166



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