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THE 3323 VARIABLE STARS IN OR PROJECTED
 ON THE MAGELLANIC CLOUDS DOWN TO -0.8 ABSOLUTE MAGNITUDE

From 1895 till 1950 the Harvard College Observatory searched variable stars in the Magellanic Clouds, rounding up more than 3000 variables to which 150 were added during the investigation from 1962 performed by Cecilia Payne-Gaposhkin and myself. We thoroughly "sieved" all announced variables by making more than two million photographic and more than 10,000 photovisual observations on some 2000 plates. The final results are in the table, expressing the distribution of eleven classes of variability in the two nearest galaxies.

Class of Variables	Large Magellanic Cloud	Small Magellanic Clou
Classical Cepheids	1128	1116
Irregular Normal	314	162
Irregular Important	88	?
Eclipsing Variables	76	32
Questionables	72	25
Long Periodic	50	24
Possibly Cepheid	33	60
RR Lyrae Variables	30	31
Link-Cepheids	2?*	39
Undecods	23	?
W Virginis	16	2
Total	1832	1491

*These are RR Lyrae in one of the mini star clusters and included as the Link-Cepheids only because this cluster is situated almost exactly between the Cloud and the Milky Way.

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