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Comet Designation Index

This is an index containing all comets with formal designations given in this volume. The well-known periodic comets are listed first, since their designation does not include a year, and the remaining comets are listed chronologically thereafter. There are four prefixes that were adopted by the International Astronomical Union in 1994 as part of the new designation system. These are as follows:

- “P/” represents the predictable comets and these have well-established orbits. When a number precedes this letter it indicates astronomers have either seen it at more than one apparition or are confident the comet can be followed throughout its orbit. In general, these comets have been referred to as short-period comets and have had orbits with periods of less than 200 years.
- “C/” indicates comets observed well enough for an orbit to be determined. Sometimes this orbit is only parabolic, indicating the observations were either too few or too imprecise to allow the computation of an elliptical or hyperbolic orbit. Elliptical orbits indicate the comet will eventually return, while hyperbolic ones indicate the comet will likely never return.
- “D/” indicates comets observed well enough for a short-period orbit to be determined, but which have either ceased to exist or may suffer from a large enough uncertainty in the orbit to seriously hamper future recovery. Some of these comets will have a number in front of them because they were once returning and being observed at regular intervals. In this volume, comet 3D/Biela is an example. It broke up and vanished in the middle of the nineteenth century.
- “X/” indicates comets which were very likely real, but whose positions are too few or so poor that a reliable orbit cannot be determined. For the purpose of this volume, the Author has chosen to give comets this designation if corroborating observations are available from at least two different cultures. This at least confirms the reality and nature of the object.

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