√Evolution and Special Creation, page 14

By way of illustration as to how an animal or plant might be classified under this system, let us take the Cougar (also celled Mountain Lion, Puma, and Panther). The Cougar is call <u>cougar</u> on the species level, and is found throughout North America.

The Cougar species is classified, together with the Jaguar species, the Ocelot species, and the Domestic Cat species, under the larger category of the genus <u>Felis</u> (the truly 'catlike" cats).

In turn, the genus Felis and the genus Lynx (also called Bobcat and Wildcat) are classified together under the larger category of the Cat family (Felidae).

The Cat family, together with a number of other families (e.g., the Dog family (<u>Canidae</u>) the Hyena family (<u>Hyaenidae</u>) the Weasel family (<u>Mustelidae</u>) the Raccoon family (<u>Procyonidae</u>) and the Bear family (<u>Ursidae</u>) are classified under the order <u>Carnivora</u> (flesh-eaters).

The order <u>Carnivora</u> is grouped with the orders of <u>Insectivora</u> (insect-eaters), <u>Rodentia</u> (rodents), <u>Proboscidea</u> (elephants), <u>Cetacea</u> (whales), etc., under the class <u>Mammalia</u> (mammals), which includes all backboned animals which reproduce on land, possess hair, and nurse their young.

The class <u>Mammalia</u>, four classes of fishes, the class <u>Amphibia</u> (salamanders, frogs, toads, etc.), the class <u>Reptilia</u> (turtles, lizards, snakes, crocodiles, etc.), and the class <u>Aves</u> (birds) are classified under the phylum <u>Chordata</u> (Chordates), which includes all animals possessing a well-developed nervous system and a body supported by a bony chord or spinal column.

The phylum <u>Chordata</u> is one of the 15 phyla which together make up all living animals in the kingdom <u>Animalia</u> (animals).

Thus a Cougar may be classified on any one of these levels, depending upon the closeness or remoteness of similarity which he bears to other members of the animal kingdom. The scientific name (which always includes both genus and species) of the Cougar is thus <u>Felis couguar</u>.

Synopsis of the Classification of the Cougar

Kingdom: <u>Animalia</u> (animals) Phylum: <u>Chordata</u> (chordates) Class: <u>Mammalia</u> (mammals) Order: <u>Carnivora</u> (flesh-eaters) Family: <u>Felidae</u> (cats) Genus: <u>Felis</u> ("true cats") Species: <u>couguar</u> (Cougar)

b. Meaning of the Classifying Terms

Species -- a natural population of organisms capable, under natural conditions, of breeding with one another, but not usually with organisms of other populations (a genetically orientated definition); or, a group of organisms similar to one another in most superficial (physiological) and all fundamental (morphological) characteristics (a descriptive, anatomically related definition).

Genus -- a group of species similar to one another in many superficial characteristics and in all or almost all fundamental characteristics; yet dissimilar to other groups of species.