

ACROSS

- 1: (physics) a dynamical system that is extremely sensitive to its initial conditions
 6: a town in southeastern Alaska that was the capital of Russian America and served as the capital of Alaska from 1867 until 1906
 11: conspicuously or grossly unconventional or unusual
 12: United States religious leader of the Mormon Church after the assassination of Joseph Smith; he led the Mormon exodus from Illinois to Salt Lake City, Utah (1801-1877)
 13: a negatively charged ion
 14: of the insects in the chrysalis (cocoon) or post larval stage
 15: (Judaism) a shawl with a ritually knotted fringe at each corner; worn by Jews at morning prayer
 17: a bloody and prolonged operation on the island of ___ Jima in which American marines landed and defeated Japanese defenders (February and March 1945)
 18: in entirety
 19: turn or place at an angle
 20: the Babylonian god of fire; often invoked in incantations against sorcery
 22: interact in a certain way
 25: not often
 29: one of four playing cards in a deck having a single pip on its face
 30: a thick-walled sexual spore that develops from a fertilized oosphere in some algae and fungi
 31: a sharp sound made by small birds or insects
 33: (Zoroastrianism) title for benevolent deities
 34: apply _____ to one's hair
 35: shining with an unnatural red glow as of fire seen through smoke
 36: wild sheep of semidesert regions in central Asia
 37: remove from memory or existence

DOWN

- 1: omnivorous mammal of Central America and South America
 2: a province in southeastern central China between the Nan Ling mountains and the Chang Jiang; noted for its timber and valuable mineral resources
 3: departing or being caused to depart from the true vertical or horizontal
 4: the science of mountains
 5: 100 _____ equal 1 pa'anga in Tonga
 6: a common venereal disease caused by the

- treponema pallidum spirochete; symptoms change through progressive stages; can be congenital (transmitted through the placenta)
 7: an informal debt instrument; representing 'I owe you'
 8: tent that is an Eskimo summer dwelling
 9: widely distributed low-growing Eurasian herb having narrow leaves and inconspicuous green flowers
 10: softly bright or radiant
 16: the body excluding the head and neck and limbs
 19: treat with _____ in order to preserve
 21: the selling of something purchased
 22: Russian country house
 23: any of various earths containing silica and alumina and ferric oxide; used as a pigment
 24: the state or fact of existing
 26: sorghums of dry regions of Asia and North Africa
 27: fragrant rootstock of various irises especially Florentine iris; used in perfumes and medicines

- 28: English economist noted for his studies of international trade and finance (1907-1995)
 30: a translucent mineral consisting of hydrated silica of variable color; some varieties are used as gemstones
 32: (biochemistry) a long linear polymer of nucleotides found in the nucleus but mainly in the cytoplasm of a cell where it is associated with microsomes; it transmits genetic information from DNA to the cytoplasm and controls certain chemical processes in the cell

