writing a book on the Victorian EDUCATION polymath, houses all of Galton's major texts and about 300 of **Animating Possible** his papers, letters, and other writings. Worlds Galton's legacy includes the Global warming's future modern weather chart, which he created by marking locations on impact depends on factors such as human population a map with the same barometric growth and fossil fuel use. pressure. He gave fingerprinting High school and introductory a scientific foundation by showcollege classes can learn how ing that each person's prints are unique, and he devised the these and other variables might influence temperatures, sea levels, statistical techniques of correlaand more at a new tutorial hosted by tion and regression. You can California State University, Los Angeles. browse the paper in which he The Java applet helps students work through scenarios shot down his cousin Charles Darwin's hypothesis for inherifor the future sketched by the Intergovernmental tance. Galton, who coined the term "eugenics," was an early apostle of efforts to breed better humans. Readers can page through his 1869 work Hereditary Genius, in which he marshaled the pedigrees of English luminaries, including Darwin, to argue that ability was innate. galton.org **IMAGES**

NETWATCH

edited by Mitch Leslie

EXHIBITS

Born to Count

Francis Galton (1822–1911) boasted a hefty fortune, wide-ranging curiosity, and the compulsion to measure or count almost everything, from the visual acuity of

Londoners to the number of attractive women he passed on the street. The combination helped the English gentleman-scientist make a mark in fields as diverse as statistics, meteorology, and genetics. This virtual library from software engineer Gavan Tredoux

of Rochester, New York, who's

Now Showing at the MicroPlex

A Paramecium twirls across the microscope slide, its cilia fluttering. A startled, trumpet-shaped Stentor retracts into a hole and then cautiously re-emerges. These microscopic denizens are among the stars of a gallery from the Natural History Museum in London. The site lets you play nearly 1500 short clips of protists oozing, darting, pulsating, and just hanging around. The films don't include descriptions, but they do give students a chance to see the creatures in action.

internt.nhm.ac.uk/jdsml/zoology/protistvideo

Send site suggestions to netwatch@aaas.org. Archive: www.sciencemag.org/netwatch

more rapidly.

DATABASE Taking Aim at CREB

Panel on Climate Change.

For example, animations

illustrate flooding in

areas such as Florida

and Indonesia under

different sets of condi-

tions. These diagrams

show global temperature

increases in 2300 if rapid

population growth contin-

ues (above), and if population

stabilizes faster and countries

introduce clean technologies

By switching on certain genes, the cyclic AMP response elementbinding protein (CREB) helps govern processes from cell metabolism to the wiring of the nervous system. Researchers can find out which genes the influential protein activates at the new CREB Target Gene Database from Marc Montminy of the Salk Institute in La Jolla, California, and colleagues. Users can determine whether their favorite gene carries a sequence that CREB recognizes and whether CREB actually latches onto the gene, among other info. The data are for humans, rats, and mice.

natural.salk.edu/CREB

RESOURCES

Scent of an Insect

A female African mantis (Sphodromantis lineola) entices males with an irresistible cocktail of the compounds pentadecanal and tetradecanal (below). Her eau de mantis is one of a multitude of chemical signals that insects deploy to

announce their receptiveness for mating, mark the route to their nest, repel enemies, or induce other behaviors. Compiled by chemical ecologist Ashraf El-Sayed of the New Zealand-based company HortResearch, Pherobase matches some 3000 of these molecules with the creatures that emit them. For example, the house cricket's alarm signal contains acetic acid, isobutyric acid, and four other molecules. Click on a chemical to see its structure. a 3D model, and

www.pherobase.com

spectrum.

for some compounds, a mass