Claire Pentecost
Key to Soil-erg sketches for money notes: teachers of Gaia

**South wall top row:**

Ludwig Karl Schmarda (1819-1908) Austrian naturalist. He traveled the world in search of worms, and catalogued an astonishing diversity in the form of illustrated plates. Some of the worms Schmarda depicts have never been found again.

Franz Kafka (1883-1924) and Red Peter. German-language writer who wrote many tales complicating our perception of the human as animal. Red Peter is an ape who learned to talk in *A Report to an Academy*.

Hans Muller (1891–1988) Hans Muller and his wife Maria Bigler pioneered an organic approach to agriculture with the German microbiologist, Hans Peter Rusch.

Beneficial fungus trapping a root feeding nematode, based on an image captured by H.H.Triantaphyllou. Insert: root-feeding nematode entering the skin of a root, based on an image made by William Weryin and Richard Sayre, USDA-ARS.

George Washington Carver (1864-9143) African American soil scientist, botanist, educator and inventor. Born a slave. Developed 100 products from the peanut.

Rudolf Steiner (1861-1925) Austrian social reformer and philosopher. Promoted an ecological approach to farming and created the practice of Biodynamic agriculture.

Rachel Carson (1907-1964) American marine biologist and environmentalist before her time. In 1962 she published *The Silent Spring.*

Earthworm with sketches from the notebooks of Charles Darwin and his wife, Emma Darwin.

Ana Mendieta. Cuban artist who made many works dramatizing a relationship between her body and the earth.

Bee

**South wall bottom row:**

Snail

Baby Gaia with fungal hyphae

Isabelle Stengers (b. 1949). A Belgian philosopher of science.

Shrew

SOYA = MUERTE, slogan of the Argentinian peasants defending biodiversity and subsistence farming against the invasion of Monsanto’s genetically modified soy monoculture.

Coccoidea Margarodidae, a soil mite, pictured with the persistence of the irrational.

Dave Holmgren (b. 1955) and Bill Mollison (b. 1928). Australian founders of permaculture.

Lynn Margulis (1938-2011). American biologist and theorist of evolution.

Hans Peter Rusch (1906 – 1977) Hans Peter Rusch developed a test to determine the level of soil fertility. He collaborated with Hans Muller and his wife Maria Bigler to pioneer organic agriculture in Switzerland and the Germanic speaking countries.

Wangari Matthai (1940-2011). Kenyan environmental and political activist.

**West wall from top to bottom:**

Mole

Joseph Beuys and Pergamesus. Beuys was a German artist and environmental and political activist. Pergamesus, a soil micro-arthropod, survives him.

Vertical growing system and oak.

**North wall top row:**

Waiting for the sun, with a dinosaur (iguansaurus) modeled outside the Ottoneum entrance.

Felix Guattari (1930-1992) and Giles Deleuze (1925-1995) Guattari was a French psychotherapist and philosopher. In 1989 he published *The Three Ecologies*. He often collaborated with Giles Deleuze, a French philosopher. These thinkers did much to reposition the human in the broader ecology.

Vandana Shiva (b. 1952) Indian physicist, author, eco-feminist and environmental activist.

 “Developing countries next frontier for biotech crops say experts,” April 23, 2012 headline in Africa Science News, with human stomach and cow stomach

Henry David Thoreau (1817-1862) American author, philosopher, naturalist and abolitionist.

Farmer

Lady Eve Balfour (1899-1990) British organic farming pioneer. Co-founded the Soil Association in 1946.

Masanobu Fukuoka (1913-208) Japanese experimenter in sustainable farming. In 1975 he published *The One Straw Revolution*.

Famously successful investor Warren Buffet opines about the value of farmland beating that of gold (pictured with the buffalo and the Watts towers, indicating the persistence of the dispossessed).

Nikolai Vavilov (1887-1943) Russian botanist and geneticist. Identified the centers of origin of plants and established the Vavilov Institute and seed bank of Leningrad. Persecuted by Stalin.

**North wall bottom row:**

Sir Albert Howard (1873-1947) and Squirrel. Howard was a British organic farming pioneer.

Lore Kutschera, 1917-2008, Austrian specialist in roots.

Gerrard Winstanley (1609- 1676). English co-founder of the Diggers (also called True Levellers) who took over vacant common lands in order to grow crops and distribute the harvest for free.

Jerome Irving Rodale (1898-1971) One of the first advocates of organic farming in the U.S. In 1940, he founded the Rodale Organic Farming Experimental Farm, now part of the Rodale Institute.

Tardigrade. A micro-arthropod found in soils all over the world. Some varieties of tardigrade have been found in the boiling hot springs and others in the arctic.

Dona Haraway (b. 1944) and Cayenne, her pet dog. American biologist, theorist, feminist. Has written about interspecies companionship and exchange.

Charles Darwin (1809-1882). British naturalist and theorist of evolution. Darwin’s last book was *The Formation of Vegetable Mould through the Action of Worms, with Observations on their Habits (1881)*.

Jean-Henri Fabre (1823-1915) French entomologist.

Maria Bigler (1894–1969) Maria Bigler and her husband Hans Muller pioneered an organic approach to agriculture with the German microbiologist, Hans Peter Rusch.

Amoeba