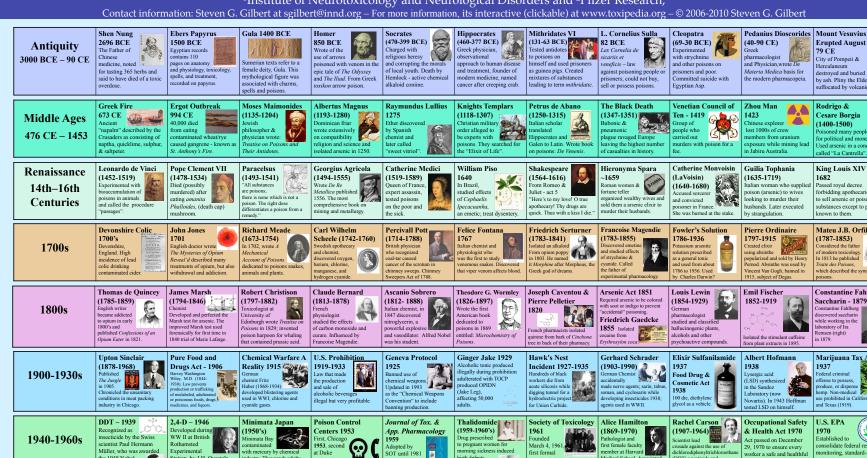
## **Lessons Learned: Milestones of Toxicology**

Steven G. Gilbert<sup>1</sup> and Antoinette Hayes<sup>2</sup>

<sup>1</sup>Institute of Neurotoxicology and Neurological Disorders and <sup>2</sup>Pfizer Research.

Contact information: Steven G. Gilbert at sgilbert@innd.org – For more information, its interactive (clickable) at www.toxipedia.org – © 2006-2010 Steven G. Gilbert



Müller, who was awarded the 1948 Nobel and Medicine

Symbol adopted

by the Pittsburgh Poison

Center at The Children's

Hospital in 1971. Used to

educate children and pare

accidental poisonings

1970-2006

1946. Used to control

1971

olored

Station, by J.H. Quastela

eed grain coated with a

ercury fungicide wa

ragically consumed by

ver 40 000 people

rom eating fish contaminated Bangladeshi 1970s Arsenic poisoning Tubewells, drilled to provide clean ontaminated by arsenic

industry. Thousands adults

First Modern Toxicology Textbook 1975 Louis J. Casarett Toxicology: The Basic Science of Poisons, in 197:

NC in 1954 and third

opened in Boston 1955

Love Canal Disaster 1978 ugust 7, 1978 S President mmy Carter emergency. 42 million pound of over 200 chemicals ontaminated Love Canal

when SOT

founded Fundamentals

Annlied Toxicology

**IUTOX 1980** American Board of Toxicology (ABT) 1979 - First exam Aus Academy of

birth defects

charter members). angerous levels of dioxin covered in Times Beach. MO. EPA orders vacuation and Superfund site.

(9 founders, 183

neeting held April 15, 1962

Dec. 3, 1984 methyl isocyanate in heart of city resulted in the killing thousands, and injured

Medical School, Associated

Chernobyl Accident April 26, 1986 Europe, Scandinavia, UK and

**OSHA** Tokyo Subway Sarir Gas Attack 1995 Aum Shinrikyo eleased sarin gas in 5 places n Tokyo subway, killing

12 and injuring 6,000

nonsteroidal anti-inflam OX-2 selective inhibitor for eatment of osteoarthritis d voluntarily out ithdrawn because of risk of heart

Erupted August 24th

City of Pompeii &

estroyed and buried

by ash. Pliny the Elder

Herculaneum

Rodrigo &

Cesare Borgia

oisoned many people in Ita

sed arsenic in a concoc

called "La Cantrella"

forbidding apothecarie

Mateu J.B. Orfila

known to them

(1787-1853)

onsidered the fathe

o sell arsenic or poisonous

ubstances except to persons

which described the symptoms of

Constantine Fahlberg

Marijuana Tax Act

Saccharin - 1879

Constantine Fahlberg

temsen (right)

ederal criminal

use prohibited in Calif

in 1879.

1937

1970

Established to

onsolidate federal re

nonitoring standard-setting

nsure human & environment

1682

(1400-1500)

79 ĈE