

Decades and decades and decades of Chemical Safety:

Where have we been – and where are we going?

John Palmer
(UC San Diego, retired)



The Early Days...

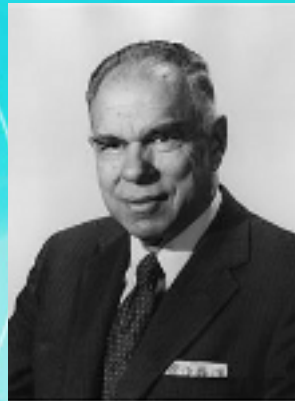
Pioneers (and their Legacy):

Alice Hamilton (1869–1970) was one of four daughters and a son born to one of the founding families of Fort Wayne, Indiana. Alice planned to become a medical doctor. After attending a girls' boarding school that gave scant attention to science, she had to spend a summer being tutored in chemistry and physics before entering the University of Michigan Medical School. At Michigan she became fascinated with the subject of pathology and decided to become a research scientist rather than enter clinical practice.



The Early Days...

Pioneers and their Legacy:



Alice's work with the radium girls of New Jersey was the inspiration for Glenn Seaborg to develop a chemical hygiene program for the Manhattan Project, which eventually lead to the founding of the Division of Chemical Health and Safety.

In 1919, as the leading expert in the field of industrial medicine, Hamilton was appointed assistant professor at Harvard Medical School, the first woman professor in any field in the entire university.

NCHL - Jane Adams Hull-House Museum (2002), Chicago, Illinois

“Hamilton was a pioneer who became a leading expert in chemical health and safety”

Chemical Safety Practitioner

Passion & Persistence

Advocacy is a key attribute in advancing
Academic Safety Culture

Scientist & Sleuth

Objectivity & Inquisitiveness

Reality, Regulation & Responsibility

Understand your “customers” needs and passions... **

Know Regulation/Code but also know “how” to sell it

Being an “educator” **

Safety Specialist & Psychologist

Being a catalyst for change and improvement is a key task

Communication – both to customer and administrator!



Pioneers in Chemical Safety

Howard Fawcett, Malcolm Renfrew

Warren Kingsley, Jay Young, Eileen Siegel

Lyle Phifer, Elizabeth Weisburger, Mary Ann Solstad

George, Bob, Bob, Bob, IJ, Jack, Jim, Ken, Neal, Harry
Debbie, Russ, Eric, Ralph, Stan, Eugene, Emmett...



Warren Kingsley



In response to customers requests to J.T. Baker, Warren Kingsley developed laboratory chemical safety programs which resulted in the training of more than 150,000. In addition, he conducted safety audits companies such as IBM, BF Goodrich, Proctor and Gamble, and Exxon.

Warren was one of the moving forces behind the establishment of the division and was the founding editor of [The Journal of Chemical Health and Safety](#)

Fawcett Awardees

- 2013: Proctor and Gamble's [Children's Safe Drinking Water program](#)
- 2012: Robert Emery
- 2011: [Eugene Nagi](#)
- 2009: [Chemical Security Engagement Program \(U.S. Department of State\)](#)
- 2008: U.S. Chemical Safety Board
- 2007: Salvatore R. DiNardi
- 2006: D. Jeff Burton
- 2005: Edward H. Rau
- 2004: Thomas Goehl
- 2003: Harry J. Elston
- 2002: Robert H. Hill Jr.
- 2001: Eileen Segal
- 2000: Emmett Barkley
- 1999: Linda Rosenstock



1998: Janet Baum
1997: Louis DiBerardinis
1996: Ralph Stuart
1995: Warren K. Kingsley
1994: Daniel Crowl
1993: Howard F. Fawcett
1992: Kenneth Yoder
1991: Jay A. Young
1990: Stanley Pine
1989: Douglas B. Walters
1988: Leslie Bretherick
1987: Samuel S. Butcher, Dana W. Mayo, Ronald M. Pike
1986: Blaine C. McKusick
1985: Malcolm Renfrew
1984: Warren Kingsley



CHAS Fellows

Roster of CHAS Fellows

(Those listed in italics are also ACS Fellows)

- *Robert Alaimo*
- Peter Ashbrook
- W. Emmett Barkley
- Janet Baum
- Ernest I. Becker
- Leslie Bretherick
- Daniel A. Crowl
- Debbie Decker
- Lou DiBerardinis
- Laurence J. Doemeny
- Harry J. Elston
- Howard Fawcett
- Barbara Foster
- Kenneth Fivizzani
- Ruth Hathaway
- Donald Hedberg
- Warren Kingsley
- *Neal Langerman*
- Po-Yung Lu
- Sung Moon
- John Palmer
- *Lyle H. Phifer*
- *Russ Phifer*
- *Stanley Pine*
- *Pat Redden*
- *Malcolm Renfrew*
- Eileen Segal
- Stephen Sichek, Sr.
- Diane G. Schmidt
- Mary Ann Solstad
- Ralph Stuart
- Stephen Szabo
- *Erik A. Talley*
- George Wahl
- *Douglas B. Walters*
- Stefan Wawzyniecki
- *Elizabeth Weisburger*
- Frankie Wood-Black
- I. J. Wilk
- Kenyon D. Yoder
- *Jay Young*