

QUOTES & PHOTOS OF THE YEAR

A look at some of the **MOST INTRIGUING** statements and photos that made it onto our pages in 2013

AUGUST 26

“Just wrapping people up in a lab coat and gloves doesn't automatically make them safe.”

DEBBIE DECKER, CHEMISTRY DEPARTMENT SAFETY MANAGER, UNIVERSITY OF CALIFORNIA, DAVIS



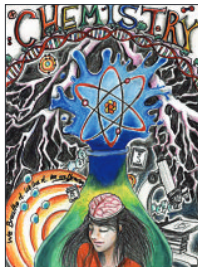
KATE HOLT/WATERAID

JULY 22
Martha Bichael bathes one of her children in dangerously dirty water in Bokola, Malawi.

JUNE 3

“The public has been having a hard time getting its head around the idea that adding a chemical to the environment can mitigate a problem.”

RONALD TJEERDEMA, PROFESSOR OF AQUATIC TOXICOLOGY, UNIVERSITY OF CALIFORNIA, DAVIS



MARCH 25

“We breathe it. We live it. We are chemistry.”

ASHLEY ARMENTA, GRADE 9, SOUTHEAST CAREER TECHNICAL ACADEMY, LAS VEGAS

OCTOBER 7

Research shows that a peptide in the Chinese red-headed centipede's venom could be a candidate for treating chronic pain.



YASUNORI HOZE/WIKIMEDIA COMMONS

MAY 6

“Trying to get scientists to impact policymakers is like trying to herd cats.”

JOHN EDWARD PORTER, CHAIR OF THE BOARD, RESEARCH!AMERICA



SEPTEMBER 30

“I would not recommend using waste salmon fat to make biodiesel, because it smells just as bad as you can imagine.”

STUART R. COLES, UNIVERSITY OF WARWICK

This year, C&EN celebrated 90 years of covering chemistry. To highlight moments in the magazine's history from the C&EN Archives, we introduced the award-nominated Tumblr blog The Watch Glass.

JUNE 2, 1980

“If an experiment does not hold out the possibility of causing one to revise one's views, it is hard to see why it should be done at all.”

PETER B. MEDAWAR, 1960 NOBEL LAUREATE



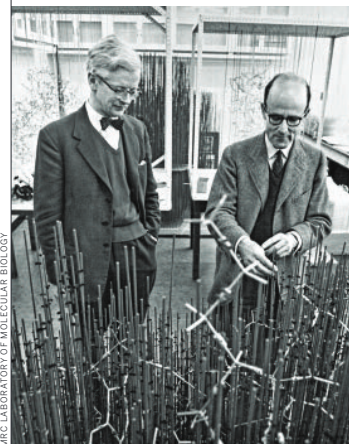
JULY 28, 1969

Cletus Welch, a senior research chemist for the chemical division of PPG Industries, finds that glassware in his lab makes an unusual chess set. During a break in his research on chlorine-oxygen compounds at PPG's Barberton, Ohio, labs, Welch set up a game using the pieces as chessmen.

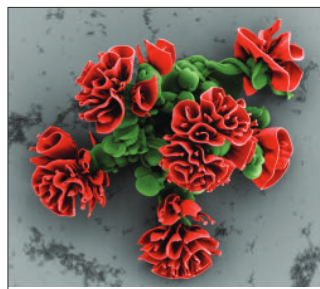
SEPTEMBER 9

“Joy—maybe you find it only in science, when nature reveals its great secrets.”

MAX PERUTZ, 1962 NOBEL LAUREATE, PICTURED AT RIGHT



MRC LABORATORY OF MOLECULAR BIOLOGY



SCIENCE

MAY 20

Digitally colored confocal microscopy image of “flowers” made by layering precipitates grown under iterative conditions.



LISA JARVIS/CGIEN

MAY 13

Case Hogan, who loves his red cowboy boots, rests after his dose in a clinical trial to treat the neurological effects of Hunter syndrome, a rare and fatal genetic disease.

MAY 20

“Postdocs are starting to become a substitute for real jobs.”

WILLIAM F. BANHOLZER, FORMER EXECUTIVE VICE PRESIDENT AND CHIEF TECHNOLOGY OFFICER, DOW CHEMICAL

FEBRUARY 11

“I always say, ‘Find out who your friends are, and sell more to them.’”

VINCE SHIELY, LUBAR & CO.

JULY 29

“Scientists should provide solutions to social problems and dreams for people.”

EICHI NAKAMURA, UNIVERSITY OF TOKYO

MAY 27

“West, Texas, is just the tip of the chemical disaster iceberg.”

RICK HIND, GREENPEACE