NEWS OF THE WEEK

5 HARD HIT TO PFIZER R&D
Firm will shed thousands of research jobs as it walks away from some therapeutic areas, moves others.

6 EXFOLIATION MADE SIMPLE
Procedure easily forms nanoscale sheets from stacked transition-metal compounds.

6 EPA REVERSAL ON PERCLORATE
Agency will now set drinking water limits for the rocket-fuel ingredient.

7 CHEERING CHEMISTRY STATESIDE
Philadelphia hosts the U.S. launch of the International Year of Chemistry.

7 CYTEC EXITS BASIC CHEMICALS
Sale of unit to a private equity firm will allow Cytec to focus on core growth platforms.

8 LOMAIVITICIN ASSEMBLY
Route to butterfly-shaped molecule includes manganese-mediated oxidative coupling.

8 COREXIT LINGERS IN DEEP WATER
Key ingredient of oil dispersant injected near gushing BP wellhead persists in Gulf waters.

9 ENHANCING PLANT SAFETY
Study seeks a path toward applying inherently safer chemical manufacturing processes.

9 ADVANCING SCIENTIFIC INTEGRITY
Interior Department leads Administration’s effort to protect research from political influence.

BUSINESS

16 CONCENTRATES
18 POLYESTER RESINS’ TURNAROUND
After too-rapid expansion, slump in PET sales leads to downsized capacity, consolidation.

20 CLEANING UP
Consumer spending and innovations in sustainability help firms in the cleaning products industry return to economic health.

GOVERNMENT & POLICY

22 CONCENTRATES
23 PUTTING A VALUE ON MORTALITY
EPA changes controversial terminology, adopts new method of calculating health benefits of its regulations.

24 GULF SPILL COMMISSION SPEAKS
Presidential panel unveils recommended drilling practices and regulations.

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26 CONCENTRATES
28 ENZYME MECHANISMS
Researchers share innovative concepts at recent conference.

EDUCATION

32 CITIZEN SCIENCE
Bard College program brings science to all freshmen.

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34 “COMMON AS AIR”
An argument, based on philosophy and history, to rethink U.S. patent and copyright practices.

ACS NATIONAL AWARDS

38 2011 WINNERS
Du and Eisenberg, Grant, Grubbs, Morales-Martinez, Morrissey, Silverman, and Yennello.

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ATMOSPHERIC MONITORING

Recent field campaigns in California and Mexico brought together a plethora of scientists and techniques to analyze air quality and chemistry. PAGE 11

QUOTE OF THE WEEK

“In our hearts we care about the poor, but in our actions, we don’t.”
DANIEL G. NOCERA, CHEMISTRY PROFESSOR, MASSACHUSETTS INSTITUTE OF TECHNOLOGY PAGE 3

Cover: Pollution haze in Los Angeles Basin is visible beneath the clouds in this photo taken from the National Oceanic & Atmospheric Administration’s WP-3D aircraft during the CalNex field campaign in May 2010. Daniel Lack/NOAA

International Year of Chemistry

www.acs.org/iyc2011