# THE SKIDMORE COLLEGE MAGAZINE WINTER 2012 SKIDMORE RESEARCHERS ARE ENZYME-CATALYZING, UNEARTHING, REINTERPRETING, AND OTHERWISE GENERATING NEW KNOWLEDGE WITH LIFE-CHANGING IMPLICATIONS FOR US ALL NEW-BUSINESS CONTEST ART/SCIENCE AT SCHICK **BURTON'S TEACHING PRIZE**

# **S**COPE

WINTER 2012 Volume 42, Number 2

VICE PRESIDENT
FOR ADVANCEMENT
Michael Casey

EXECUTIVE DIRECTOR
OF COMMUNICATIONS
Dan Forbush

EDITOR

Susan Rosenberg

srosenbe@skidmore.edu

ASSOCIATE EDITOR
Paul Dwyer '83
pdwyer@skidmore.edu

CLASS NOTES EDITOR Mary Monigan mmonigan@skidmore.edu

DESIGNERS
Michael Malone
Maryann Teale Snell

WRITERS
Kathryn Gallien
Bob Kimmerle
Peter MacDonald
Maryann Teale Snell
Andrea Wise

EDITORIAL OFFICES
Office of Communications
Skidmore College
815 North Broadway
Saratoga Springs, NY 12866
phone: 518-580-5747
fax: 518-580-5748
online: www.skidmore.edu/scope

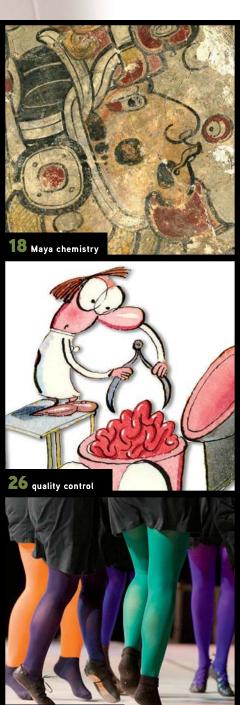
SKIDMORE COLLEGE
Main number: 518-580-5000
Alumni Affairs and College Events:
518-580-5670
Communications: 518-580-5733
Admissions: 518-580-5570
or 800-867-6007

Scope is published by Skidmore College for alumni, parents, and friends.

Printed on recycled paper (10% postconsumer)



# SCOPE WINTER 2011



**28** Big Top celebration

CONTENTS

FEATURES: RESEARCH

# 12 INSIDE THE WET LAB

Students gain and create new insights into crucial proteins, fluid dynamics, bacterial life—and themselves

# 18 CHEMISTRY OF CULTURE

What can elemental analysis of ancient art reveal about its makers, patrons, and audiences?

## 22 PROBLEM-SOLVERS

Skidmore alumni are experimenting and propounding, advancing the front lines of knowledge, in fields from medicine to philosophy

# 26 ASSESSING ALUMNI

A retrospective survey project is returning actionable data on student learning and development

### **DEPARTMENTS**

ESSAYS, LETTERS 3
CAMPUS SCENE 7
ALUMNI NEWS 28
WHO, WHAT, WHEN 36
CLASS NOTES 37
SARATOGA SIDEBAR 68

ON THE COVER: Skidmore's bio and chem labs are testing, and even re-engineering, new truths about the very basis of life.
See page 12. (Photo by Gary Gold)



### **LETTERS**

## New-media environment

**I was impressed** by the insights shared in the fall Scope's "Shifting Media Marketplace" feature. In particular, I was heartened to read Jay Jochnowitz's salient distillation of the often skewed climatechange debate: that giving equal air time to an expert speaking for the scientific community as to a nonscientist speaking for a fringe group "blurs the lines between opinion and fact."

Perhaps new media can play a profoundly important role. For example, the news and opinion flooding Twitter and Facebook may be transforming the national debate over the Keystone XL tar-sands pipeline, a project whose grave risks have been largely overlooked by mainstream news outlets. A well-funded, pampered fringe in favor of the project has engineered an argument that heavily weights energy independence as a benefit, but concerned citizens have been debunking their claims—online. Most importantly, the pro-environment message of this new breed of politically engaged online writers is reaching mainstream news consumers.

These writers and experts are reshaping the climate debate, and the collective weight of their position is influencing Congress and the White House. The power of the people may reside in the most free and public of all presses—the everexpanding universe that is the Internet.

> Stacy Clark '84 Dallas, Texas

# Skidmore News memories

I was interested to see the Skidmore *News* alumni in the fall *Scope*. Among my endeavors at Skidmore, the one I pursued with the most enthusiasm was writing and journalism, leading me to get involved with the newspaper in various ways.

As editor-in-chief in my senior year, I recruited some of my friends to join

the staff. And so, on the last leg of our college careers, we found ourselves hunkered down in the basement of Jonsson Tower, staying up until the wee hours, cutting and pasting the old-fashioned way, assembling the Skidmore News. At first we knew little about how to produce a weekly publication. But through trial and error—armed with a hot wax machine, black tape, and determination—produce a paper we did. By year's end we were responsible for some pretty nifty editions.

After a master's in journalism from Northeastern University, I landed at the Associated Press, where I stayed for the next 20 years. My experience at the Skidmore News was invaluable, as it had taught me teamwork, persistence, time management, and, most of all, quality journalism.

On a recent visit to Skidmore, I found that the landscaping, sparkling new performance center, new student housing, and modern dining hall were just some of the changes that have taken what was always a serene oasis and made it seem even more scenic and lush. Memories of my carefree college days working at the Skidmore News came flooding back. As the paper transitions to an online-only publication, it's nice to know that it's still capturing the tranquility of life and work at Skidmore, while keeping pace with the digital age.

> Nancy Rabinowitz '85 Jamaica Plain, Mass.

I greatly enjoyed your article on the Skidmore News writers of yore. I too was a part of the paper, and with my classmate Ellen Knebel wrote "Skidmorania"

### DO THE WRITE THING

Scope welcomes letters to the editor. Send your comments by e-mail to srosenbe@skidmore.edu or mail c/o Skidmore College. Letters may be edited for clarity and length.

and the movie reviews. We had a wonderful time amusing the students and ourselves with our nonsense, and my four years at Skidmore have remained a joy in my life.

> Elinor Sloss Schatz '42 Woodmere, N.Y.

# Land and open space

I became engrossed in the spring '11 Scope and read it in one sitting. As a board member of Concerned Citizens for Open Space, I found the "Field Guides" article particularly interesting.

There must be other alumni involved with environmental matters. They are welcome to visit our Web site, wpccos .org. We would especially like to hear about solutions to such problems as overdevelopment.

Thank you for an informative and inspiring magazine.

> Nancy Hantman '69 White Plains, N.Y.

### Water research

The spring 2011 "Who, What, When" photo reminded me of my time sampling water on Loughberry Lake, conducting research between my sophomore and junior years with faculty members Sue Van Hook and Kim Marsella. I recognize the Loughberry Lake shoreline, and in the background I believe I can see the cattails and aquatic plants that I sampled in 2004. While the Scope photo looks like it shows a motorboat, we used a rowboat. (Once, when we were far out on the lake and a thunderstorm started coming in, Kim quickly offered to take over paddling-she was on a rowing team that summer.) We used the same devices, including the Secchi disk, as shown in this photo.

> Christina Schull '06 Portland, Ore.