

2002

Third Kenneth C. Schraut Lecture (Poster)

University of Dayton. Department of Mathematics

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The Kenneth C. Schraut Memorial Lecture

The Kenneth C. Schraut Memorial Lecture was established entirely with the generous support of alumni donations in memory of Dr. Kenneth C. Schraut. The Memorial Lecture was established for the purpose of sponsoring invited lectures by noted mathematicians for undergraduate students.

How to Keep Up with Mathematics

Delivered by

Dr. Paul Campbell (BS 67)

Professor and Chair

Department of Mathematics and Computer Science

Beloit College



4:30 p.m., November 2, 2002

Room 114, Sherman Hall

University of Dayton

You are a mathematics major perhaps because you are good at it and it's useful, but more likely mainly because you enjoy it.

Most undergraduate mathematics is decades or even centuries old, in part because of the hierarchical nature of the subject. Meanwhile, your fellow students in biology and other sciences use textbooks that feature crucial work of the last five or ten years.

Recall, though, what you were told in orientation to college and often since: Much learning in college has to take place outside the classroom, at your own initiative. After your formal education ends, all mathematics learning will be at your own initiative.

So, you need to enhance your mathematics education now and—above all—prepare to continue it on your own after college. Now is the time to develop life-long skills to *seek* mathematics and to *see* mathematics.

- How can you find out and understand what is happening in mathematics today?
- How can you see the mathematics in the world around you?

This talk will

—be illustrated with examples from everyday life,

—include a helpful handout, and

—be appropriate for not only current mathematics majors but also the general public, particularly teachers of mathematics at all levels.

Paul Campbell graduated summa cum laude from UD in 1967. After receiving an M.S. in algebra and a Ph.D. in mathematical logic from Cornell University, he taught at St. Olaf College in Minnesota before settling at Beloit College in Wisconsin. He has been the Reviews Editor for *Mathematics Magazine* since 1977, editor of *The Undergraduate Mathematics Applications Project (UMAP) Journal* since 1984, and author for many years of annual articles on mathematics for Encyclopædia Britannica yearbooks.

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[Second Schraut Memorial Lecture](#)

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