For Your Information

Report: Considering the Future of K–12 STEM Curricula and Instructional Design

The rapid growth in features and use of educational media (from e-books to applets) makes it possible to envision dramatic changes in the kinds of instructional materials and environments that can support STEM (science, technology, engineering, mathematics) learning. Questions that emerge when the field considers new tools and technology-rich environments include:

What will a high-impact, technology-intensive STEM learning environment look like in the near and long-term future?

What materials development and research are required to make this vision possible?

What design, development, and diffusion processes are most likely to produce new, effective approaches to STEM education?

To address these questions, two workshops were convened to identify and analyze the needs and opportunities for innovative work. Participants included education futurists, researchers in the STEM content and education disciplines, and specialists in instructional technology, cognitive psychology, policy, museum and educational media. Workshop discussions provided a rich source of ideas for examination by those interested in promoting and strengthening STEM learning. The Workshop Series report *Considering the Future of K–12 STEM Curricula and Instructional Design: Stimulating and Supporting Innovative Research and Development* identifies critical research and development activities and calls on funding agencies and the field to focus attention on these activities. The fifty-page report is free and available for download at: `http://www.mathcurriculumcenter.org/conferences/stem/index.php`.

—Robert Reys, University of Missouri

Correction

I thank Marius Stefan for commenting on some typographical errors in my column "WHAT IS …a Wilf-Zeilberger Pair?", which appeared in the April 2010 *Notices*. The corrections are as follows.

(1) In the paragraph **Doubling the fun!** $F(n,k)$ in the equation

$$\sum_k F(n,k) = r(n), (n \geq n_0)$$

should be replaced by $h(n,k)$, and $G(n,L)$ in condition (ii) should be replaced by $G(n,-L)$.

(2) In the last column of the article, the recurrence equation $\sum_{j=0}^{J} a_j(n)S(n) = 0$ should be replaced by $\sum_{j=0}^{J} a_j(n)S(n+j) = 0$.

—Akalu Tefera

Inside the AMS

National *Who Wants to Be a Mathematician*

The second national contest of *Who Wants to Be a Mathematician* will take place Friday, January 7, 2011, at the Joint Mathematics Meetings in New Orleans. All meeting attendees are invited. Any U.S. high school student is eligible for the top prize of US$10,000. Pictured is the 2010 winner, Evan O'Dorney of the Berkeley Math Circle, with the championship trophy. Find out more at `www.ams.org/wwtbam/wwtbamnational`.

Deaths of AMS Members

T. A. C. ADAMSON, of Nedlands, Australia, died on June 9, 2010. Born on June 17, 1928, he was a member of the Society for 59 years.

HERBERT FEDERER, of North Scituate, Rhode Island, died on April 21, 2010. Born on July 23, 1920, he was a member of the Society for 67 years.

K. S. GHENT, of Eugene, Oregon, died on January 12, 2008. Born on June 29, 1911, he was a member of the Society for 72 years.

KATHRYN A. POWERS, of Jerseyville, Illinois, died on January 7, 2010. Born on December 6, 1923, she was a member of the Society for 40 years.

RICHARD P. STAUDUHAR, of Kailua Kona, Hawaii, died on March 24, 2010. Born on May 28, 1940, he was a member of the Society for 3 years.