

# The V<sup>2</sup>CTM Reflection



THE VALLEY OF VIRGINIA COUNCIL OF TEACHERS OF MATHEMATICS

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## Spring Meeting on March 19 at JMU

The Annual Spring V<sup>2</sup>CTM Meeting will be held at the Health and Human Services Building on the CISAT campus of James Madison University on Wednesday, March 19, 2003. Both sessions will be held in Room 1302. V<sup>2</sup>CTM members who attended the VCTM Conference at JMU in 2001 will be very familiar with this location as this is one of the auditoriums used at the conference. Parking will be in Lot D2 immediately beside the Health and Human Services Building. There will be an attendant there to provide you with a parking pass. To get there from Interstate 81, take exit 245, Port Republic Road. Go west on Port Republic Road for 1/4 mile then turn right on Bluestone Drive which takes you into the JMU campus. After you pass several parking areas on your right, turn right onto Carrier Drive which will take you on a bridge across I-81. Parking Lot D2 will be on your left and the Health and Human Services Building will be on your right. Registration is available on-line at <http://www.rockingham.k12.va.us/v2ctm/register.html>. A registration form is also available on the last page of this newsletter. Dinner registrations need to be in before March 12. The dinner fee of \$4.00 will be collected at the door. The program is as follows:



4:30 - 5:00     **Registration**

5:00 - 6:00     **General Session I: Building a Language Foundation for Math Success: Strategies and activities to incorporate language development with math instruction for ESL students**  
Jane LeRoy, Fairfax County Public Schools  
Auditorium 1302 in the Health and Human Services Building

6:00 - 7:15     **Dinner**  
Highland Room at Festival (within walking distance of the Health and Human Services Bldg)

7:15 - 7:30     **Business Meeting**  
Pat Lintner, President  
Auditorium 1302 in the Health and Human Services Building

7:30 - 8:30     **General Session II: The Paradox of Education**  
Professor Peter Lax, Courant Institute at New York University  
Auditorium 1302 in the Health and Human Services Building

## Nationally Recognized Mathematician To Speak at Spring V<sup>2</sup>CTM Meeting

The distinguished and prolific applied mathematician Professor Peter Lax of the Courant Institute at New York University will be a guest speaker for the Spring V<sup>2</sup>CTM Meeting. The title of his talk is “The Paradox of Education.” The paradox is that science, and mathematics, is developing with leaps and bounds, at a more than exponential rate. Does that mean that what we teach in high school and college is falling behind by leaps and bounds? Not necessarily; for, as Hilbert had observed, new discoveries bring simpler methods and new points of view which replace older, more cumbersome ones. Professor Lax will illustrate this by many examples from geometry and calculus.

Professor Lax will be a busy person during his tenure as Visiting Scholar at James Madison University. Besides addressing V<sup>2</sup>CTM, he will give a talk on Wednesday March 19 at 3:30 p.m. in the Department of Mathematics and Statistics at JMU and will provide a featured lecture on **Mathematics and Computing** in Room 159 of the CISAT Building at 7:00 on March 20.

V<sup>2</sup>CTM is grateful to Dr. James Sochacki of the JMU Math Department for arranging for Professor Lax to speak at our spring meeting.

## V<sup>2</sup>CTM To Learn About *FAST Math* Program (Focus on Achieving Standards in Teaching Math)

Begun in Fairfax County, the *FAST Math* program provides math instruction to newly arrived Limited English Proficient (LEP) students in grades 4-12 who are two or more years below grade level in mathematics. The curriculum is comprised of two levels: elementary and pre-algebra. The elementary curriculum is composed of two volumes and the Pre-Algebra curriculum is one volume. All three volumes are aligned with the Virginia Standards of Learning.

The *FAST Math* curriculum integrates English content language and math skills. Students are placed in the curriculum based on their level of mathematics and language proficiency. They develop skills in preparation for subsequent math courses while they simultaneously develop their English language proficiency.

In Fairfax County, *FAST Math* serves students in grades 4-6, middle school, high school, and transitional and alternative high schools. The program is available for a minimal cost to other school divisions through the National Clearinghouse for English Language Acquisition.

At the March 19 V<sup>2</sup>CTM meeting, Jane LeRoy, EOSL *FAST Math* Instructional Support Teacher from Fairfax County will describe the benefits of this program and how it can be obtained. Jane has been a certified middle-school teacher since 1992. She has taught fifth grade (4 years), sixth grade (4 years), and since 1999 has coordinated an ESOL math program (grade 1 through pre-algebra) for Fairfax County VA Public Schools. As such, she formulates district policy for the teaching of math to the 46,000 language minority students in the district, writes math curricula, and provides staff development workshops for teachers. Additional information about the *FAST Math* program is available at <http://www.fcps.edu/DIS/OESOL/fastmath.htm>

## Been Illuminated Yet?

If you haven't already been there, plan to go: <http://illuminations.nctm.org/>. Sponsored by NCTM, the Illuminations web site has six goals:

- Provide Internet resources that will help improve the teaching and learning of mathematics for all students.
- Provide Internet resources that "illuminate" the NCTM Standards (1989-2000).
- Provide Internet resources that bring alive the ideas and recommendations set forth in the NCTM Principles and Standards for School Mathematics (Standards 2000).
- Provide professional development for teachers of mathematics.
- Provide Standards-based resources for classroom use.
- Help communicate the vision of Standards-based mathematics teaching and learning

There are many wonderful resources at this website. And, if you've downloaded the free Quicktime® player, the website will even give you a guided tour of itself.

## ***Math Their Way Training Offered in Harrisonburg***

Harrisonburg City Schools is offering a ***Math Their Way*** for teachers in Grades K-2 this summer from July 14 - 17 at Spotswood Elementary School. This is an open session which teachers from other divisions may attend. For more information about Math Their Way workshops and other resources at the Center for Innovation in Education, visit their website at <http://www.center.edu/>. Registration for the Harrisonburg session is available at that website.

## ***Algebra For Success and Math A Way of Thinking Available in Shenandoah County***

Shenandoah County Schools will offer this semester an onsite University of Virginia three-hour graduate course ***Algebra for Success***. There are two 8-hour face-to-face sessions on Saturday, March 1 and Saturday, April 5. The remainder of the course is delivered online. On-line time will be approximately 24.5 hours and teachers will be asked to log their time. Final projects will be due May 1. There are openings for participants in surrounding counties. Please contact Dr. Elaine Fogliani, [aefogliani@shenandoah.k12.va.us](mailto:aefogliani@shenandoah.k12.va.us), Director of Elementary Education, Shenandoah County Schools, if you are interested. Her phone number is 540-459-6222. Shenandoah County is also sponsoring a ***Math A Way of Thinking Workshop*** on June 16-19. The workshop is designed for teachers in Grades 3-6. The cost is \$295 per person and there are openings for additional participants. Contact Elaine if you are interested..

## **Upcoming Meetings**

### **Virginia Council for Mathematics Supervision (VCMS)**

March 6, 2003

Holiday Inn Select Koger Center

Midlothian, Virginia

Contact: <http://www.vctm.org/vcms>

### **Virginia Council of Teachers of Mathematics (VCTM)**

26th Annual Conference "Mathematics: A Universal Network of Beauty"

March 7-8, 2003

John Tyler Community College

Midlothian, Virginia

Contact: <http://www.vctm.org>

### **National Council of Teachers of Mathematics (NCTM)**

81st Annual Meeting: "Building Mathematical Communities"

April 9-12, 2003

San Antonio, Texas

Contact: <http://www.nctm.org>

#### **2002-2003 V<sup>2</sup>CTM Officers**

President.....Pat Lintner, Harrisonburg City Schools ([plintner@harrisonburg.k12.va.us](mailto:plintner@harrisonburg.k12.va.us))  
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**V<sup>2</sup>CTM Spring 2003 Meeting Registration**

Return this registration form to Joe Hill, Rockingham County Public Schools,  
Suite B County Office Building, Harrisonburg VA 22801. Better yet, register on the web at  
<http://www.rockingham.k12.va.us/v2ctm/register.html>

Name \_\_\_\_\_ Amount Enclosed:

Circle one:      New Member      Renewal

School \_\_\_\_\_ Spring Meeting Dinner \$4.00 \_\_\_\_\_

School Address \_\_\_\_\_ TOTAL ENCLOSED \_\_\_\_\_

Home Address \_\_\_\_\_

E-mail Address \_\_\_\_\_

***DINNER REGISTRATIONS FOR THE SPRING MEETING MUST BE IN BY MARCH 12***

**See you at JMU on March 19!**

V<sup>2</sup>CTM Reflection  
Joe Hill, Editor  
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Harrisonburg VA 22801

**PLEASE SHARE THIS NEWSLETTER WITH ALL MATHEMATICS TEACHERS,  
GRADES K-12**