

The Math News

Volume 3, Number 2 Wednesday, September 24, 2003

On the other side:

Mathematics majors can explore some of the mathematics relevant to weather forecasting in **SA367, Mathematical Modeling** and **SM365, Scientific Computing**. Math majors learn about handling data in **SM239, Probability and Statistics** and **SM339, Applied Statistics**.

This issue's quotation:

"Perhaps the most surprising thing about mathematics is that it is so surprising. The rules which we make up at the beginning seem ordinary and inevitable, but it is impossible to foresee their consequences. These have only been found out by long study, extending over many centuries.... [Mathematicians] have contributed something to human thought even more lasting than great literature, since it is independent of language." E. C. Titchmarsh

Career Corner **Operations Research Analysts** apply mathematical skills to find possible solutions to organizational problems. They help organize complex operations such as airports, hospitals and military deployments.

Visit the Mathematics Department web site at
<http://www.usna.edu/MathDept/website/index.htm>

Famous USNA Math Majors (a continuing feature)

David Robinson, notable Forrestal lecturer, graduated from the Naval Academy in 1987 with a major in mathematics.

Quick Math Problem

The square of largest area that will fit inside a circle of radius one has area two. What's the area of the largest square that will fit inside the circle and outside the square?

Last problem's solution: Among the whole numbers between 1 and 10,000,000,000 (written in standard base 10), there are 6,513,215,600 numbers in which the digit 1 appears and 3,486,784,400 in which it doesn't appear.

A Little Behind in Your Work?

The **Midshipman Group Study Program** sponsors supervised group study for core math courses in Chauvenet 104, 2000-2200, Sundays through Thursdays.

Preregistration double-check:

| <u>Fall</u> | <u>Spring</u> | <u>Fall</u> | <u>Spring</u> |
|-------------|---------------|-------------|---------------|
| SM005 | SM121A | SM161 | SM162 |
| SM121A | SM122A | SM122 | SM221 |

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| SM121 | SM122 | SM122S | SM221S |
| SM121C | SM122 | SM221P | SM212P |