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## COMPUTING

visiting faculty from the following universities: Li Gu and Zhen in Hangzhou, Topic of Szeged Professor Kamen in the Department

The Twelfth Annual Symposium of the Florida Section of Hillsborough Community College on October 4. Dr. Potluchen participated in a panel discussion on "The FALSB Year Later!" Dr. Zelka helped to organize the meeting and presented a talk on "Who Invented the Pythagorean Theorem?" The meeting concluded with an dinner at CDB-Uptown/Downtown Franklin Street Mall.

Regional MAA campus of or. De- in a ll-Four ordinate in "Who eorem?" informal on the

at USF. The programs cover not only Mathematics, but also Computer Programming and various topics selected from Engineering and the Physical and Life Sciences. The exact topics covered depend on the USF faculty members who are teaching, but all of the material is at the college level and definitely outside the range of the normal secondary school curriculum. Senior high school students, in addition to receiving high school credit for completing the program, may elect to receive college credit. Support for these programs comes from: the State of Florida Department of Education; the Center for Excellence in Mathematics, Science, Computers and Technology at USF; and local school districts (Hillsborough, Pasco, Pinellas, and Polk). Since there is no residential program, participation from other nearby counties is limited. Students who wish to attend from these counties must arrange their own transportation. Other support comes from local businesses and industries, which provides funds for scholarships.

In the summer of 1987, 182 students representing 4 counties attended these five programs. Several of these students received recognition for their excellent performances, and three were awarded USF Freeman Scholarships.

The lecture series sponsored by the Center for Excellence in Mathematics, Science, Computers and Technology and the greater Tampa Chamber of Commerce was again conducted by CMS. As the end of the season nears, ten lecturers have given 116 talks to almost four thousand students. The topics of some of the lectures, while falling under the broad category of Mathematics in Today's World, include practical information on "Mathematics and Careers", "Uses of Algebra", and "Probability".

Anyone requiring further information about these or other programs of the Center should contact:

Dr. R. Kent Nagle, Director  
Center for Mathematical Services  
University of South Florida  
Tampa, Florida 33620  
(813) 974-4058

## NEWS

of the Florida Association of Mathematics College in Winter. The program of the University of Georgia. Factoring of the University of the Mathematical Association. In Obvious for Berner. University of the University of Florida. Happened on participating from were Dr. of who attended ment. chairman. of the Florida sectional meeting. Sessions for Student presented papers. in Mathematics. Regulations of La Jones, a senior "Mathematical Membership in The Program of, charged with mode of events, a Masters in USF several member of its a drawing was by Scott, there. The

## INSTITUTE FOR CONSTRUCTIVE MATHEMATICS

The ICM recently completed a project for Florida Power and Light Company. In the operation of two nuclear stations, Florida Power and Light has an ongoing list of hundreds of plant modifications, some of which will assist in efficiency or safety of the plants, and which are mandated by regulatory agencies. The mathematical problem presented was to look at the existing algorithm for ranking the modifications in order and to suggest alternatives. The final report, the first stage of this project, was submitted in February, contains a plan developed by Professors Dan and Gunder. Florida Power and Light pleased with the new method (which includes differential rankings) to his of this already proceeding to improve the

consulting light power t has an notifica- the effi- some of agencies. the insti- for priority, al report which was few algo- Saff C. is so produces im- ment the

## CENTER FOR MATHEMATICAL SERVICES

of the Center for Mathematics reported several of its activities of the "Quaternion", with reading about one of the largest and summer programs for gifted pre-college students. They run in Hillsborough County and Pinellas County. They are on the agenda for this summer, in which in begins their 10th year. For the have a second year component in the secondary school students, up to five summers attending these

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## ALUMNI CORNER

Robert W. Jernigan received his B. A. and M. A. in mathematics, and a Ph.D. in statistics, all from the University of South Florida. His first job was as an assistant professor for his Ph.D. was Dr. C. P. Kos. Following graduation, Dr. Jernigan held a position in the Department of Mathematics, Statistics, and Computer Science at American University in Washington, D.C., where he is now a full professor. Since 1984, Dr. Jernigan has also been employed as a senior statistician at the Statistical Policy Branch of the Office of Standards and Regulations of the U.S. Environmental Protection Agency. Dr. Jernigan is a fellow of the Washington Academy of Sciences, and was recipient of the 1985-86 Scientific Achievement Award for Mathematics and Computer Science from the academy. He is a member of the American Statistical Association, the American Association for

the Advancement of Science, the Mathematical Association of America, Sigma Xi, and Phi Kappa Phi. He has published over a dozen articles in refereed journals. His research interests include statistical computing, time series analysis, mathematical modeling and mathematical ecology, spatial statistics, and stochastic processes. Dr. Jernigan resides in Rockville, Maryland with his wife Rose and daughters Nicolas and Laura.

## RECENT COLLOQUIUM TALKS

Professor Philip Rabinowitz, Weizman Institute of Science, Israel, spoke on January 13th on "Product Integration Based on Hermite-Fejer Interpolation".

On January 23 and 29, Professor Bruce C. Berndt of the Department of Mathematics of

the University of Illinois gave two talks in observance of the Centenary Celebration of the great Indian mathematician Srinivasa Ramanujan. His talks were entitled "Gauss, Landau, Ramanujan, the Arithmetic-geometric Mean, . . . A Non-technical Discussion" and "Ramanujan's Modular Equation . . . A Technical Overview".

Professor Teng Zhen-tun of Peking University presented a talk on March 21st entitled "Particle and Vortex Methods for Partial Differential Equations".

Professor A. Sharma of the University of Alberta, spoke on "Some Recent Results on Enquipovergence" on April 6th.

A talk entitled "Padé Approximants" was presented on April 11th by Professor Herbert Stahl of Technische Universität, Berlin.

UNIVERSITY OF SOUTH FLORIDA  
DEPARTMENT OF MATHEMATICS  
TAMPA, FLORIDA 33620

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