
Inside the AMS

Fan and Caldwell Scholarships Awarded

The AMS awarded six scholarships to students attending programs for mathematically talented high school students held in summer 2001. Five Ky and Yu-Fen Fan Scholarships and one Roderick P. C. Caldwell Scholarship were awarded. The scholarships are intended to cover the tuition for the programs.

The names of the students receiving Fan Scholarships, their high schools, their hometowns, and the programs they attended (in parentheses) are: DINA SHAPIRO, Milton High School, Milton, Massachusetts (PROMYS at Boston University); BETTY LUAN, Stuyvesant High School, Woodhaven, New York (Hampshire College Summer Studies in Math); EKIN KOSEOGLU, American Robert College, Istanbul, Turkey (Mathcamp 2001); EVELINA SHPOLYANSKAYA, Bronx High School of Science, Bronx, New York (Ross Summer Mathematics Program, Ohio State University); and ERIC KIEFT, Rockford High School, Rockford, Michigan (Michigan Math and Science Scholars, University of Michigan, Ann Arbor). Receiving the Caldwell Scholarship was SVETLANA YEGOROVA, Ann Arbor, Michigan (Michigan Math and Science Scholars, University of Michigan, Ann Arbor).

In the fall of 1999, Ky Fan and his wife, Yu-Fen Fan, made a gift of approximately \$1 million to the AMS. The funds were used to establish the Ky and Yu-Fen Fan Endowment. Income from the endowment supports mathematics in China and mathematically talented high school students in the U.S.

Ky Fan is an emeritus professor of mathematics at the University of California, Santa Barbara. Born on September 19, 1914, in Hangchow, China, he received his B.S. degree from Peking University (1936) and his D.Sc. degree from the University of Paris (1941). He was a member of the Institute for Advanced Study in Princeton from 1945 to 1947 and held positions at the University of Notre Dame, Wayne State University, and Northwestern University before going to Santa Barbara in 1965. Elected a member of the Academia Sinica in 1964, Fan served as the director of the Institute of Mathematics there from 1978 to 1984. The author of approximately 130 papers, Fan made

fundamental contributions to operator and matrix theory, convex analysis and inequalities, linear and nonlinear programming, topology and fixed point theory, and topological groups. His work in fixed point theory, in addition to influencing nonlinear functional analysis, has found wide application in mathematical economics and game theory, potential theory, calculus of variations, and differential equations.

In December 1999 Winifred A. Caldwell endowed the Roderick P. C. Caldwell Scholarship within the AMS Epsilon Fund. The scholarship will be given each year to support at least one student of demonstrated needs to participate in a program for mathematically talented high school students.

Roderick P. C. Caldwell was professor of mathematics at the University of Rhode Island for over twenty-two years. A graduate of Harvard University, he received his master's and doctoral degrees from the University of Illinois. After his retirement Caldwell continued teaching for several years and contributed his salary to establish an endowment within the URI Foundation for needy and promising URI mathematics students. His students particularly appreciated the fact that he shared with them his personal library, which contained many rare mathematical books. Winifred A. Caldwell endowed the scholarship to keep alive her husband's wish to instill a love of mathematics in his students.

—Allyn Jackson

MathJobs.Org: Job Application Database for Mathematics

The AMS has undertaken a project to make more widely available a high-quality job application database system developed by the mathematics department at Duke University. The system, called MathJobs.Org, provides the capacity to carry out every step of the employment application process in a paperless, online environment. The system can be used by job seekers and mathematics departments alike.

For the past few years Yunliang Yu, senior systems programmer in the mathematics department at Duke University, developed and refined the system for the department. After using it successfully for a year, the department shared the system with around twenty other mathematics departments in the U.S. It was clear that MathJobs.Org could be used even more widely, so Duke asked the AMS to become a sponsor of the system. As a first step the Society is encouraging mathematics departments and applicants to use the system for postdoctoral positions to be filled in the 2001-02 hiring season.

For job seekers MathJobs.Org is simple and easy to use but sophisticated enough to offer adaptability and privacy. To register in the system, a job seeker must submit an online version of the AMS Standard Cover Sheet (this form appears in every issue of the *Notices*). After receiving a password, the job seeker can create a personal portfolio on the system by uploading cover letters, résumés, teaching and research statements, lists of publications, etc. The system accepts a wide variety of document formats (PDF, Word, PostScript, DVI, GIF, JPEG, \LaTeX , and \TeX , among others) and converts the documents into PDF files, which the job seeker can view to check the conversion.

A job seeker can browse through listings of open positions and create tailored applications by selecting the appropriate documents from his or her portfolio. The applications can then be submitted directly on the system. When applying for a specific job, the job seeker can indicate the names of people who will be asked to write letters of reference. The system automatically sends an e-mail message to each referee, confirming that he or she has been asked to write a letter and providing a password to enter the system to submit the letter.

MathJobs.Org offers an option whereby a job seeker can make his or her cover sheet data available in a "job wanted" area, where employers can browse for potential applicants. But otherwise the job seeker controls access to the documents in his or her portfolio. Those documents can be made available only by the job seeker and only in response to specific job advertisements.

For employers the system offers a flexible and efficient way to organize the application process. To register to use the system, a department must designate one individual as the departmental administrator. The administrator then registers other members in the department as needed and assigns them passwords. The administrator has the capacity to control which departmental users can view which parts of the applicant database.

For each department advertising jobs, the system automatically prepares a table listing all applicants for those jobs. This table indicates the date when each application was received, when it was last updated, basic information about the applicant's educational background and research area, and the position he or she is applying for. Clicking on an applicant's name brings one to a page providing further details, such as the applicant's contact information and the list of referees asked to write about the applicant. Check boxes indicate whether various items, such as reference letters or curriculum vitae, have been received or not, and there is an area where departmental users can enter

notes about the applicant. Equal Employment Opportunity forms can also be submitted through MathJobs.Org, and the system can automatically generate a report about the pool of applicants. Departments can use the system to automatically send e-mail messages to applicants to inform them of the progress of the search process. MathJobs.Org can manage the entire job application process without paper, but it also offers many useful and timesaving features when used in conjunction with a paper folder system.

The AMS believes that the power, flexibility, and security of this system could greatly increase the efficiency of the job application process. Information about the system will initially be sent to all Ph.D.-granting departments in the U.S. Those interested in trying out the system can use a demo available at the website <http://www.mathjobs.org/>. Further information is available through the AMS Professional Services Department, AMS, 201 Charles Street, Providence, RI 02904; telephone 800-321-4267, ext. 4105; e-mail: prof-serv@ams.org.

—Allyn Jackson

Deaths of AMS Members

OSCAR R. AINSWORTH, professor emeritus, University of Alabama, Tuscaloosa, died on June 1, 2001. Born on July 28, 1922, he was a member of the Society for 50 years.

EBON E. BETZ, of Annapolis, MD, died on October 14, 2000. Born on September 3, 1914, he was a member of the Society for 63 years.

GEORGE COPP, professor emeritus, University of North Texas at Denton, died on May 28, 2001. Born on October 11, 1912, he was a member of the Society for 52 years.

DUANE E. DEAL, associate professor emeritus, Ball State University, Muncie, IN, died on May 20, 2001. Born on May 17, 1924, he was a member of the Society for 39 years.

WILLIAM DURFEE, professor emeritus, Mt. Holyoke College, South Hadley, MA, died on April 18, 2001. Born on April 12, 1915, he was a member of the Society for 59 years.

SAMUEL I. GOLDBERG, professor, University of Illinois, Urbana-Champaign, died on March 22, 2001. Born on August 15, 1923, he was a member of the Society for 49 years.

ROBERT GRAY, aerospace engineer, USAF, Wright-Patterson AFB, OH, died on April 14, 2001. Born on December 7, 1941, he was a member of the Society for 26 years.

CARROLL GULLORY, associate professor, University of Louisiana at Lafayette, died on March 18, 2001. Born on July 17, 1945, he was a member of the Society for 21 years.

JOHN G. MEILER, of Cleveland, TN, died on October 10, 2000. Born on January 8, 1904, he was a member of the Society for 51 years.

ERHARD MEISTER, professor, Tech. Universität Darmstadt, Germany, died on July 5, 2001. Born on February 12, 1930, he was a member of the Society for 37 years.

CALVIN H. WILCOX, professor emeritus, Salt Lake City, UT, died on June 7, 2001. Born on January 29, 1924, he was a member of the Society for 49 years.