MACS NEWSLETTER

Fort Hays State University

Published by the Mathematics and Computer Science Department Phone: (785) 628-4240 email: <u>bunruh@fhsu.edu</u> or <u>mschippe@fhsu.edu</u> Webpage: http://www.fhsu.edu/macs/

Spring, 2003 #29 Mary Kay Schippers, Editor



by Dr. Ron Sandstrom with permission of <u>Rawlins Co. Square Deal</u>



Rhonda Carter-Argabright received the Presidential Award for Excellence in Mathematics and Science Teaching for the state of Kansas in March 2002.

Rhonda Carter-Argabright, mathematics instructor at Atwood High School, received the Presidential Award for Excellence in Mathematics and Science Teaching for the state of Kansas in March 2002. The Presidential Award is the nation's highest commendation for K-12 mathematics and science teachers. It recognizes a combination of sustained and exemplary work both in and outside the classroom. The award program is open to practicing public, private and parochial school teachers with a minimum of five years of experience. Candidates are chosen on the basis of their performance, background and experience, including evaluation of their formal education and continuing educational experience, as well as professional and other activities related to their teaching. The honorees receive a \$7,500 grant and a trip to Washington, D.C. Rhonda received an MA in Mathematics from FHSU in 1988. She is a third generation FHSU graduate. Her father, Dr. Larry D. Carter, completed his BS in Mathematics in 1959. He recently retired as the President of the Community College of Aurora (Colorado) after a 42-year career in teaching mathematics, coaching, and administration. Her grandfather, Floyd L. Carter, completed his BS in Biology in 1926 and an MS in Zoology in 1930. He was a biology teacher, principal, superintendent, and coach in Kansas, in particular, Tribune-Greeley Co. Schools. Hence, we see Rhonda's superb teaching comes from a strong lineage.

The award, rather than having the effect of "capping off" a career, has the teacher of applied math, algebra, and calculus even more fired up. Quotes from Rhonda include: "They said, at the awards ceremonies, over and over that this is only the beginning. One of the purposes of the award is to encourage teachers to do so much more." "Networking with other award winning teachers was a highlight of the event." "The thing that struck me most, in speaking with the other awardees, was that so many of them bring somebody into their classrooms or take their kids somewhere." "The great distances students must travel in this region for educational experiences is a challenge for rural teachers." She notes, "I'm ready for the challenge."

The steps toward receiving this award involved a complicated application. The 20-page application process required much essay writing, descriptions of lessons, and even pictures. She gives credit for the achievement to her students, the parents, and her colleagues. "The students make teaching easy—they make it fun," she said, "For the most part, you don't have to push them to do well—they have it in them."

We offer our congratulations to Rhonda and to the community of Atwood for their support of an environment that encourages and is essential to successful teaching.



by Mary Kay Schippers



The Fort Hays Ballroom is filled to capacity with students diligently working on Math Relays tests in an individual event.

The FHSU Math Department hosted the 25^{th} annual Math Relays on Thursday, November 14, 2002. Over 1600 students representing 72 Kansas high schools participated in the six events. These events consisted of 20 minute tests in 6 categories: Using Number Sense, Trigonometry, Algebraic Manipulations, Informal Geometry and Measurement, Applications of Algebra and Arithmetic, and Calculations with Calculators. All events are open to $9^{\text{th}} - 12^{\text{th}}$ grade students except for Trigonometry, which is open to 11^{th} and 12^{th} grade students, and Geometry, open to $10^{\text{th}} - 12^{\text{th}}$ grade students.

The competition is divided according to school size with overall rankings determined by accumulated school points. Because of the disproportionate number of small schools attending, the schools were divided this year into 3 size categories: There were 29 schools in the 1A size classification, and school plaques were awarded to Ashland (1^{st}) , Mankato (2^{nd}) , and Pike Valley (3^{rd}) . There were 27 schools in the 2A/3A category and school plaques were awarded to TMP-Marion, Hays (1^{st}) , Meade (2^{nd}) , and Minneapolis (3^{rd}) . In the 4A – 6A category, 16 schools participated and plaques went to Maize (1^{st}) , Salina South (2^{nd}) , and McPherson (3^{rd}) .

Oh, how times have changed these past 25 years. The first Math Relays, held in 1978, hosted 34 schools (mostly from the immediate area) and 553 students. The tests were HAND SCORED by the math department faculty. The Relays were at one time held in conjunction with a Math Fair with prizes awarded for student projects. This was popular for a while, but later the Math Fair was eliminated due to poor participation. It was replaced with a Math Bowl, similar in design to a quiz bowl. Initially, the Math Bowl was so popular, that preliminary rounds were necessary and were held on a Saturday in advance of the Relays. Then the Math Bowl Finals were held between the last Math Relays test and the Awards Ceremony. Math Bowl was also eventually eliminated due to decreased participation and replaced with a totally separate Math Problem Solving Contest, held in the Spring.

The idea for Math Relays originated with Dr. Elton Beougher who became acquainted with a similar contest while on a sabbatical. He brought the idea back to FHSU and Dr. Jeff Barnett became the first chair of the Math Relays and held the position until 1988, when he left FHSU. Dr. Ron Sandstrom was then chair of the event from 1989 -1990, until he became chair of the Mathematics and Computer Science department. In 1991, Dr. Beougher took over the helm and held the position until he turned it over to me, Mary Kay Schippers, in 2000. But we are all "chairs" in name only. Anyone who has ever worked behind the scenes with Math Relays knows that the true captain is Bev Unruh, our MACS Department Office Manager. Bev has been involved with Math Relays since 1979, the second event. She begins work on the Math Relays in September, and doesn't finish until the awards are mailed in late December or early January. Thanks for all your efforts to make this event successful, Bev.

We wish to congratulate the 2002 winners and thank all the schools that participated. Without you, the day would not be the huge success that it has become. If you have any suggestions, questions, or comments about the Relays, please call Mary Kay Schippers at (785) 628-4240 or email at <u>mschippe@fhus.edu</u>. See you at the 26th Math Relays on November 13, 2003!



Babies! Babies!

Two of our math majors gave birth to adorable baby girls this past fall. Christie Hindman gave birth to Lydia Louise on October 4 and Lindsey (Bailey) Elwood gave birth to Hannah Marie on October 24. Congratulations and best wishes to all of you!



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2003 Science Olympiad

by Dr. Mohammad Riazi-Kermani

The Science Olympiad was created in 1983 to expand interest in science for students, and to serve as an alternative to the conventional science fair and tournaments.

The Olympiad consists of 32 individual and team events that require expertise in biology, earth science, chemistry, physics, problem solving, and technology. Division A is for grades K-5, Division B is for grades 6-9, and Division C is for grades 9-12.

Students who participate in the Science Olympiad are taught advanced science through active, hands-on participation. All events involve team work, group planning and cooperation, and promote team spirit and good sportsmanship. There are now over 12,000 schools from all 50 states, grade K-12, who actively participate in Science Olympiad. We usually invite about 12 teams to participate in different events on the FHSU campus. The Department of Mathematics and Computer Science at Fort Hays State University has been actively involved in coordinating, organizing, and judging events for the past several years.

This year Keith Dreiling and Jeff Sadler were organizers and judges for **Practical Data Gathering** which was held at The Memorial Union on February 13, 2003. Lanee Young and Mary Kay Schippers were organizers and judges for **Mission Possible** which was held in the Trails Room of The Memorial Union on February 11 and 13, 2003. Dr. Greg Force organized and judged **Metric Estimation** on February 13, 2003. Dr. Mohammad Riazi organized and Judged **Write it Do it** which was held in the Pioneer Lounge of the Memorial Union on February 11 and 13, 2003. Dr. Hongbiao Zeng was the organizer and judge for the event **Compute This** which was held in Tomanek Hall on February 13, 2003.



By Lanee Young

KME membership continues to grow, as there are many outstanding students in the department of Mathematics and Computer Science at Fort Hays State University. This past year our local chapter voted to include Computer Science majors who had met the mathematics requirement put forth by KME in order to help increase membership. However, many students have jobs and families and find it difficult to hang out with other math majors at KME functions. We are constantly looking for ways to bring the students of the MACS department together in order to network and socialize with friends and faculty.

The KME 2002 Spring Banquet was held in the Memorial Union last April. New KME initiates were Lindsey Bailey, Michelle Bui-Zeng, Teresa Detweiler, Nathan Jones, and Hongbiao Zeng. Crystal (Holdren) Vacura, spoke to the group about the work she is doing at Mutual of Omaha as well as how her experience at FHSU helped her become successful in the business world. The evening was very informative and enjoyable for all who attended. Crystal received her degree in Mathematics (Emphasis in Computer Science) from Fort Hays State University in 1995. She currently resides in Nebraska with her husband and their two children.

This fall, KME/Math Club kicked off the new school year with a softball game followed by a barbeque in the park. It was a great opportunity for the students to hang out, get some free food, and watch the faculty show off their athletic prowess. A few faculty members (after all these years) still forget to stretch before the game and were definitely feeling it Monday at work. O

Sara Mead, Greg Hanna, Christine Hindman, and Danielle Augustine were the four new members initiated into KME during November. We also had a Christmas Party complete with Christmas cookies, cider and a few rounds of Balderdash to get those creative juices flowing before finals.

We hope to continue the growth of KME/Math Club as well as increase the participation by creating new opportunities for students to socialize with the MACS students and faculty.



By Ron Sandstrom

MACS faculty and students joined forces again this vear to participate in the annual FHSU TIGER Call cochaired by Dr. Tom Newton, Chair of Teacher Education and Dr. Carrol Haggard, Chair of Communications. Students Keith Glotzbach, Amber Roadhouse, Joe Pugh, Lannie Robinson, Danielle Augustine, Bradley Kearn, Stephanie Hawks, Michael Liebl, Duane Blaesi, and Amber Schmidt joined faculty Keith Dreiling, Greg Force, Mary Kay Schippers, Ron Sandstrom, and Lanee Young to help the FHSU Endowment Association almost reach the goal of \$430,000. Thus far more than 80% of the pledges have been received. We want to thank each of you (out of 961) who have shared your financial resources (\$7487) with the university and in particularly want to thank those of you who designated the MACS Dept. as recipient. Those who designated MACS are: Tom Albers, Geralyn Allen, Charles Allphin, Lavern Andrews, Patrick Applequist, Kerry Bahl, Stephen Barker, Cynthia Barnes, Paul Basgall, Bernice Bell, Elton Beougher, Ron Billinger, Pamela Bishop, Rex Blandling, Lynnae Boedeker, Ron Bowman, Susan Bozeman, Terry Cleveland, John Coen, Lisa Colwell, Vernon Cowan, Willis Crabtree, Cheryl Cronk, Mary Cunningham, Foster Dieckhoff, Luke Dowell, Keith Dreiling, Francine Dreiling, Kay Dundas, Merril Durr, Dennis Echard, Joanna Egbert, Carolyn Ehr, Ken Eichman, Brian Etter, Greg Feist, Donna Ferguson, Li Pong, Laverne Forbes, Richard Franke, Leslie Freeman, Kathryn Fritz, Mickey Frownfelter, Michael Garza, Galen Glenn, Dora Gross, Tommie Gotzman, Robin Hanna, Jerold Harris, Chad Heckman, Terry Herdman, Tina Herrman. Tom Hesterman, Marvin Hines, Liz Hornbuckle, Kent Huffman, Hank Humphreys, Rodney Hunley, James Hunter, Donna Jarvis.

James Johnson, Regina Johnson, Cheryl Kessler, Richard Kidwell, Vernon Kisner, Scott Kohl, Richard Kratzer, Amy Kresin, Joseph Kuo, Darrell Latham, Larry Leitner, Dolores Lessor, Darlene Lohr, Pat Luea, Blaine Maier, Larry Masters, Kyle McConnaughy, Richard McCullum, Emily McDonald, R L McFall, Joe McLeland, Jason Messenger, Perry Mick, Lonnie Miller, Ron Miller, Ernest Milton, Robert Minneman, Carl Mooney, Mike Moore, Ron Nelson, Rosalie Nichols, Merlin Ohlemeier, Marty Orth, Curtis Pahls, Karen Paltoo, Dennis Pauls, Wilma Payne, Marvin Penka, James Pfeifer, Darlene Plymell, Ruth Pruitt, Debora Rawlings, Diana Rhine, Kevin Ruda, Sharon Ruder, John Saddler, Ron Sandstrom, Neal Schmeidler, Kim Schmidtberger, Janet Schuetz, Ed Schwartzkopf, Sarah Schwarz, Virgil Scott, Gaylene Shank, Lida Sharp, Kathy Spicer, J Gail Stanley, Debbie Stelter, Leonard Tasset, Betty Taylor, Crystal Vacura, Ellen Veed, Charles Votaw, Wilmer Waldman, Tom Waldron, Don Werner, Freddy Wilson, Gary Wilson, Mandy Windholz, Sharon Winklepleck, Leanna Wolf, Nancy Wood, and Gene Zimmer. The following employers matched your contributions: Barnes & Noble, Boeing, Conoco, First Data, NIKE, Security Benefit, and State Street. I apologize if I have inadvertently left off someone's name. This list of names indicates what the Endowment Association claims: The percentage of mathematics graduates who participate in financial giving to the university is among the highest of all departments.

These monies allow us to attract and keep mathematics and computer science majors so that the students can become successful citizens like yourselves. If you know of any potential mathematics and computer science majors please send the names to us.



By Lanee Young

The newest member of the Fort Hays State University MACS Department Team is Mrs. Darlene Plymell. Darlene was awarded the Hays-National Education Association Master Teacher of the Year award in April 2002. Then she joined us just three months after her retirement from Hays High School where she had been teaching mathematics for the past 35 years. Since Plymell's husband didn't retire until October 2002 it seemed reasonable that she have something to do too (as if she couldn't spend her time relaxing, hanging out with the grandkids, reading, crocheting or simply puttering around the house). Now, since Larry has retired it gives her a perfect reprieve from the house for a few hours each day.

Teaching College Algebra is nothing new to Darlene as she taught the same course at Hays High for the three years leading up to her retirement (however the idea of a paper-grader took some getting used to ⁽²⁾). She had to change her teaching schedule a bit in order to adjust to a 50minute class period but it has been great for her to teach students who want to be in class. Darlene said that she really enjoys teaching at FHSU because of the freedom it offers, the atmosphere, and of course, because of the warm and welcoming members of the MACS Department.



By Ron Sandstrom

This might be the last year for much travel because of state budget cuts. So, we will have to work harder at sharing our scholarship activities with our colleagues. There were three faculty members making presentations, serving on panels, and offering workshops at the KATM fall meeting in Pittsburg. We had four faculty attend and participate in the spring meeting of the Kansas Section of the MAA at Ottawa with one presenting "The Most Efficient Quadrature", one serving as Section Liaison chair and another being elected President-Elect. One faculty member attended the MAA National meeting in San Diego. One continued with faculty from Physics and Teacher Education in a NOVA grant whose goal is "Improving Mathematics and Science Instruction through Development of Integrated Content Knowledge" and received a two-course reassignment to complete the development of said activities. Another had a solution featured in the Collegiate Mathematics Journal along with being named as a solver of several other problems. Several attended Licensure meetings in Wichita, and two attended Core Competencies meetings in Wichita. Another attended the summer MAA MATHFEST meeting in Vermont. One made a presentation to a "Standards Based Workshop" in Charlotte, NC and another made a presentation to a "Show Me Conference" in Atlanta. One was sited on a published research paper "Asymptotic Spectra of Newmann Laplacian in Thin Domains" in the International Conference on Differential Equations and Mathematical Physics. We still have three people working on PhD's at KSU; with two taking comps this spring. These are in addition to presentations at our weekly seminar.



By Keith Dreiling

Fort Hays State University lost two former professors during November of 2002. Dr. Maurice Witten died on November 23, 2002, and Dr. Peter R. Flusser died on November 25, 2002.

Dr. Witten was born December 5, 1931 in Davies County, Mo. After serving in the Air Force from 1950 – 1953, he earned his bachelor's degree in physics and mathematics from Emporia State University in 1956, his master's degree in physics from the University of Nebraska in 1960, and his doctorate in physics and science education from the University of Iowa in 1967. He began teaching at FHSU in 1960 and became chair of the physics department in 1969, a position he held until he retired in 1998. He was a member of the FHSU Endowment Association Board of Trustees and a 2000 Distinguished Service Alumni Award recipient.

Dr. Witten was preceded in death by his wife Joye in 1992. He is survived by a son, Barry of Macomb, Ill., daughters Brenda Linen of Goodland and Carmen of Manhattan; and three grandsons.

Dr. Flusser was born July 3, 1930, in Vienna, Austria. He earned his bachelor's degree in mathematics from Ottawa University, his master's degree from the University of Kansas, and his PhD from Oklahoma State University. He was a professor of mathematics at Ottawa University, Fort Hays State University from 1978 to Spring, Iowa Wesleyan, and Kansas Wesleyan University. He retired from Kansas Wesleyan in the spring of 2001.

Dr. Flusser is survived by his wife, Virginia of the home; a son, David of Paducah, Ky.; daughters, Kathryn Lauritzen of Chicago, Ill., Karen Neal of Salina, and Lora Flusser of Salina; and five grandchildren.

Integrating Science and Mathematics for Middle School Teachers By Ervin Eltze

A team of instructors from the sciences, mathematics and teacher education are working together to develop a course for preservice middle school teachers of science and mathematics. Instructors involved in the development of this course are: Paul Adams, Physics; Germain Taggart, Teacher Education; John Heinrichs, Geosciences; Karen Hickman, Biology; James Hohman, chemistry; and Ervin Eltze, Mathematics.

At this point there is a shortage of *appropriately trained* middle school science teachers. Teachers of middle school science come from a variety of backgrounds with unique sets of deficiencies. They are either trained as elementary school teachers typically with minimal content knowledge and science experience, or they are trained as secondary school teachers with a lack of appropriate pedagogical experience for middle school.

The course as it is being developed is a twosemester sequence of three hours per semester. The criteria that was considered in the development of the course are:

- Material must align with science and math standards.
- All sciences are included in the project.

- Mathematics is integrated into the material as appropriate.
- Appropriate technology is brought into the course.
- Teaching in the course models best practices for middle school.
- The course is content-based with emphasis on developing integrated science knowledge.
- An extended research experience is a necessary element of the course.
- Reflective elements: Students consider WHAT they are learning and HOW they are learning in terms of adapting these into their teaching style at the middle school level.

The organizing theme of the course is "Cycles in Nature". Some of the major topics covered are: Sound, Water Cycle, Nitrogen Cycle, Biological Life Cycle, Climate, Carbon Cycle, Rock Cycle, and Respiratory Cycle. A significant component of the course is that the students have to do an extensive research project. The first offering of the course was Fall 2002 with Adams and Eltze as the instructors. It is anticipated that the course become part of the required curriculum for middle school preparation in science and mathematics.



by Don and Linda Lesovsky

Editor's Note: This is the fourth contribution to a continuing feature in our annual newsletter. The purpose is to describe in greater detail the interesting careers of individual alumni after graduating with a degree in mathematics or computer science. If anyone would be interested in contributing to future issues, please let me know.

My name is **Don Lesovsky**. I graduated from Fort Hays State University (FHSU) in May 1969 with a B.S. in Mathematics. Prior to receiving my degree, I served 3 + years in the United Sates Air Force (USAF). While in the USAF, I was trained as a Missile Analyst Technician, which allowed me to gain experience in using geodetic surveying equipment. This experience, along with my mathematics degree, prepared me for my 26 year career as a Cartographer with the United States Geological Survey (USGS). My initial work with USGS was field work - gathering data for producing 1:24000 scale USGS topographic maps. The field work involved obtaining horizontal and vertical information using geodetic surveying equipment as well as locating and positioning all map worthy information on aerial photographs. The horizontal and vertical data was transferred to a large database, where it was used to plot map projections and model setups for drawing the topographic maps. Working in the Rocky Mountain region of the USGS took me to Montana, Texas, North Dakota, New Mexico, Utah and Alaska. The work was seasonal, so my wife Linda and I moved every 6 months. After 7 years of field work and having been blessed with two children, I transferred to an office assignment in Denver, Colorado. I later became a people manager and finished my career as a supervisor. I retired in 1997. With the state-of-the art technology, the field work disappeared and today most of the cartographer work is updating previous base maps using computer digitizing from satellite images and Global Positioning Systems (GPS).

After a few months, I found retirement was not my calling, so I am presently performing traffic surveys for a local traffic engineering firm. It is much less stressful and allows me to enjoy the outdoors again. My name is **Linda (Dreiling) Lesovsky**. I graduated from FHSU in May 1970 with a B.S. in Mathematics and received my M.S. in Mathematics from FHSU in August 1971. For the next seven years I was a stay-at-home mother while our family traveled with my husband, Don, due to his job, moving every six months.

In the fall of 1979, when we became permanently located in Denver, Colorado, I began a twenty year career with the United States government. That 20 year career was spent working on mainframe computers, predominantly with the Cobol program language and some Fortran. My first job was with the Bureau of Mines as an operations research analyst. For seven years I worked as a mainframe programmer writing mathematical application programs. I also worked in systems software as a database administrator.

In 1986, I took a position at the National Finance Center for the Fish and Wildlife Service. Initially, my role was a mainframe programmer, writing software for financial processing. After several years of programming, I was promoted to Chief of Operations Support, supervising the programming staff and directing nightly batch mainframe processing functions.

My last two years as a government employee was spent with the Bureau of Land Management at the National IRM Center creating life cycle cost models for the budget analysts. This was my first experience using personal computer tools to perform my job.

I left the government in the fall of 1999 with an early retirement, and after twenty years, I decided to see what it was like working for private industry. A month later, I began my job with Qwest Communications in the IT department as a process analyst. My job was to review the current mode of operation for a particular process and determine effectiveness or need for improvement. After two plus years I left to pursue family interests and hobbies in the home.



By Jeff Sadler

The generosity of alumni and friends of the Fort Hays State University Mathematics and Computer Science Department continued despite harder economic times across the U.S. The MACS department was able to provide \$21,150 in student scholarships during the 2002-2003 academic year, a substantial amount of money that enables many students and their families to afford a quality higher education. Such assistance provides evidence that FHSU's theme of *Affordable Success* is more than just a fancy slogan.

The largest scholarship awards were presented to numerous individuals working diligently on a degree in computer science or mathematics within the department. Due to the on-going gifts of numerous contributors toward special/endowed scholarship funds, the financial burden of a higher education decreased for the following FHSU MACS' students:

- Danielle Augustine (Hutchinson)-awarded the Ora and Everett Marshall \$600 Scholarship
- Lindsey Bailey (Jennings)-awarded the Lowery \$1000 Scholarship
- Regina Corcoran (Oberlin)-awarded the Vivian Baxter Memorial \$600 Scholarship
- Adrianne Dale (Salina)-awarded a Jimmy Rice Memorial \$500 Scholarship
- Robin Deters (Vermillion)-awarded the Denio \$600 Scholarship
- Randi Gilbert (Inman)-awarded the Colyer \$1000 Scholarship
- Greg Hanna (Hutchinson)-awarded a Jimmy Rice Memorial \$500 Scholarship
- Michael Liebl (Sylvia)-awarded the Tebo \$1,200 Scholarship
- Sarah Mead (Victoria)-awarded a Toalson \$600 Scholarship
- Jenniver Princ (Luray)-awarded the Ogle \$250 Scholarship
- Steve Vance (Dighton)-awarded the Orville E. and Pauline Etter \$1,100 Scholarship

The Award Of Excellence (AOE) Scholarship in Mathematics and Computer Science is an important scholarship for incoming freshmen interested in pursuing a degree within the MACS department. Now in its fourteenth year, the AOE continues to be a valuable resource for new students, providing \$250 for residence hall fee reduction and \$250 for educational expenses. The AOE is usually awarded to a student based upon his/her ACT score and high school achievement. This past year, the department was able to offer 31 AOE scholarships to students contemplating attendance at FHSU. Of this group of students, thirteen enrolled for classes during the fall of 2002 and received AOE monies. Those students included:

- Matthew Arensdorf (Flagler, CO)
- Travis Briggs (Windom)
- Gregory Chesney (Salina)
- Jason Crist (Bennington)
- Candice Fulks (Bertrand, NE)
- Shane Jellison (Protection)
- Chris McKenna (Jennings)
- Ryan McNames (Grinnell)
- Junior Padilla (Satanta)
- Jennifer Princ (Luray)
- Davin Reed (Osborne)
- Shane Riley (Tribune)
- Justin Scheimo (Norton)

Another portion of the MACS scholarship monies is funded by contributions to the department during the annual FHSU Endowment Telethon. The dollars received during the telethon provided funds for two levels of "MACS scholarships" to the following students majoring in the MACS department:

\$500 Scholarships	\$400 Scholarships
Duane Blaesi (Sharon Springs)	Travis Briggs (Windom)
Ryan McNames (Grinnell)	Teresa Detweiler (Summerfield)
Jerett Pfannenstiel (Munjor)	Stephanie Hawks (Almena)
Joe Pugh (Hays)	Nathan Jones (Logan)
Brent Riedy (Hope)	Jessica Joseph (Oakley)
Lannie Robinson (Phillipsburg)	Bradley Kearn (Jamestown)
Amber Schmidt (Hays)	Heather Maupin (Paradise)
	Amber Roadhouse (Osborne)

Students and faculty frequently mention their gratitude for any and all financial assistance that MACS's students received through scholarships. The MACS department wishes to pass this appreciation on to those who make the above scholarships possible. If you are interested in contributing to the MACS department scholarships, you may do so by sending a check payable to the FHSU Endowment Association, specifying the mathematics scholarship fund of interest. If you wish to have additional scholarship information, please print, complete and return the form that is accessible with this online newsletter or contact Jeff Sadler personally by email at jsadler@fhsu.edu or by phone at (785)-628-4416.



by Greg Force

Elton Beougher

Elton and Wendy visited England last summer, starting with the sights in and around London, and then traveling north by train. Elton recently tried his hand at building chairs, which were then given as gifts to family members. These chairs are not for couch potatoes: they fold in some way to become stepladders! Besides continuing with the piano, Elton continues as a bus driver for his church, driving kids to Kids Club after school one day a week. Future trips for Elton and Wendy will include Richmond, Virginia [buttons for Wendy, and Civil War research for Elton] and New England for the fall colors.

Larry Dryden

Larry has been very involved in the memorial for Walker Field, the now abandoned base near Victoria, KS used to train B-17, B-24, and especially B-29 bomber crews in World War II. There is a memorial in Great Bend for the four Kansas airfields used for training B-29 crews, but locally there has been almost no recognition of the field at Walker. That is about to change, due to the efforts of Larry and three other local veterans of B-29 bombing crews. These four are having a foundry cast a large bronze plaque, which local sculptor Pete Felten will mount in post rock. About half of the money has been raised for the project, which Larry expects to be completed sometime this summer. The plaque will be set up at one of the following locations: The Sternberg Museum, the County Courthouse lawn, or the grounds of the Historical Society. You can help choose the location by making a contribution, entitling you to vote! Larry says that his involvement in this project has been very satisfying.

Carolyn Ehr

Carolyn's travels haven't been as numerous as usual, as various things have interfered, but she plans to make up for it, and enjoys researching future trips. She plans to attend a family reunion this summer at South Lake Tahoe. Also in the works is a trip to Orlando in the fall. Carolyn enjoys reading historical novels, playing bridge with her regular group, and gets a kick out of the "The Cat Who …" mystery books.

Ruth Pruitt

Ruth and Roger have three new grandchildren, twins [a boy and a girl] born in June and a grandson born in August. Unfortunately, the two sets of grandchildren live in opposite directions! Ruth and Roger are planning a trip to Hot Springs, Arkansas soon to spend some time with the twins. The new grandson, with his parents, now lives in Portland, Oregon. Ruth and Roger have visited the Mormon Library in Salt Lake City to do genealogical research as well.

Wilmont [Bill] Toalson

Wilmont is still living independently at his home in Hays. He is not out and about as much as he used to be, but is doing OK.

Ellen Veed

Ellen is in the process of moving from her home in an older section of Hays, not far from downtown, to a townhouse a bit further north. The townhouse will be easier to look after, especially while she is spending time at her cabin in Colorado, or traveling about elsewhere. Ellen recently spent some time in Phoenix and Salt Lake City. While in Salt Lake City, she did some genealogical research, and had some success tracing her ancestors on her father's side as they arrived from Sweden. Ellen continues her interest in art, with involvement in figure drawing, monotype printing, and various projects at the Artists at Work studio downtown. Look for her work at the Spring and Fall Art Walks [Artists at Work and Stone Gallery, respectively].

Charles Votaw

Charles enjoys looking after his great-grandkids. As usual, he enjoys tinkering with his computer, and has recently been involved in a project transferring home movies to digital format. Charles has not been a stranger to us in the math department, as he has taken to attending the Thursday math seminar quite regularly.

Alumni Sponsor Math Challenge

By Darlene Plymell

Judy (Braun) Brummer, '93 and Lisa Colwell, '81, '92, math teachers at Hays High School, organized and sponsored Math Challenge 2002 for Hays USD 489 third-, fourth-, and fifth-grade students in May 2002.

Ninety students from the Hays elementary schools participated in tests over number sense, geometry, and problem solving. While the tests were being graded, the students were entertained with activities in the HHS cafeteria. Awards were given to the top five winners at each grade level.

Many student, parent, and teacher volunteers helped make the contest and day a great success. Plans are being made for Math Challenge 2003.



Lora Clark, '01

2902 Whispering Winds #218 Pearland, TX 77581 Lora married Matthew O'Neill II on Saturday, December 21, 2002.

Terry Cleveland, '68

3805 N. Garden Ave. Roswell, NM 88201-5052 Email: <u>clevelands@zianet.com</u>

Terry is the chairman of the Division of Science and Mathematics at New Mexico Military Institute in Roswell.

Anita (Lessor) Curtis, '94

113 CanterburyDodge City, KS 67801Email: <u>acurtis@dccc.cc.ks.us</u>Anita is still enjoying teaching atDodge City Community College.She and her husband Craig are

expecting their first child in early April 2003.

Greg Davidson, '79,'86

RR3 Box 129-A

Marion, KS 66861-9589

Greg is the 2003 recipient of the Wichita diocese's St. Thomas More Distinguished Teacher Award. Greg has taught at Bishop Carroll High School for 14 years. He currently teaches calculus and is a co-technology coordinator.

Darcie Depperschmidt, '01

101 Darcie Dr.Hays, KS 67601Darcie married Jeremy Capo on June 1, 2002. Darcie is employed by Hays Medical Center. by Mary Kay Schippers

Jason Fixsen, '95

10118 Redbud Ln Lenexa, KS 66220-3680 Jason married Christie Villarreal on September 7, 2002. Jason is a database administrator for Virtumundo in Kansas City.

Jeremy Hawks, '98

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Apt. A
Hays, KS 67601
Jeremy is engaged to be married to Renee Meder on May 9, 2003.
Jeremy received a master's degree in sports administration from FHSU in 2001.

Jerrod Hofaker, '97

410 W. Church St.
P.O. Box 184
Logan, KS 67646-0184
Jerrod married Jessica Meier on June 15, 2002 in the FHSU quad.
Jerrod teaches math and German at Logan High School and he is also co-owner and operator of Triple J. Farms.

Jodi Miller, '90, '99

619 Idlewild Dr.Hutchinson, KS 67502-2909Jodi married Darrin Stover on March 22, 2003 in Las Vegas.Jodi is a math instructor at Hutchinson Community College.

Kevin Ruda, '01

1508 E. Sharp St. McPherson, KS 67460 On June 7, 2003, Kevin is planning to wed Jodi Hansen in Salina, KS.

Eugene Stramel, '48

15380 County Rd 36 ¹/₂ Mancos, CO 81328

Eugene is currently retired from a career in the Geophysical Dept. at Shell Oil Co. He began work as a surveyor and ended his career as a safety supervisor. He has been married for 53 years to Loretta Baalman of Grinnell KS.

Crystal (Holdren) Vacura, '96 5614 N 116th Cir

Omaha NE 68164-1427

Crystal is currently a systems analyst with Mutual of Omaha. She and her husband Blake gave birth to a son, Zachary Edward, on Feb. 7, 2002. They also have a 3-year-old daughter Ashley.

Christie Villarreal. '98

10118 Redbud Ln

- Lenexa, KS 66220-3680
 - Christie married Jason Fixsen on September 7, 2002. Christie is employed by Dean Development Inc. as a realty accountant.

Michelle Watton, '00

870 Vindicator Dr. Apt. 209 Colorado Springs, CO 80919 Michelle married Lance Hammond on June 29, 2002. Michelle is finishing her master's degree in computer information technologies at Regis University. She is employed as a computer programmer at TRW Inc.

Donna Weninger, '93

18907 West 64th Street Shawnee, KS 66218-9144 (913) 962-6962 Plassa maka nota of Donn

Please make note of Donna's new address. Donna is an actuary for Lewis & Ellis in Overland Park.



Charlotte Bigler

1002 Fair Chillicothe, MO 64601 Charlotte is teaching math in Chillicothe, MO.

Shannon Billinger

611 Jefferson Victoria, KS 67671 Current occupation is unknown at this time.

Andrew Bogue

392 St John-St Andrew RdEllis, KS 67637Andrew is teaching at Atchison Middle School. He married Emily Higley on December 28, 2002.

Benjamin Bogue

505 Maple St Pratt, KS 67124-1528 Benjamin is teaching at Pratt High School.

Travis Bouker P.O. Box 1418 Hays, KS 67601 Travis works for Sykes Inc., Hays.

Michael Breckenridge

P.O. Box 234Stockton, KS 67669Michael works for Walmart, Inc., Hays.

Julie Chapa 1604 State St.

Concordia, KS 66901-4731 Current occupation is unknown at this time.

Dustin Dreher

406 W 6th Hays, KS 67601 Dustin graduated in December 2002 and is currently substitute teaching.

Zane Engelbert

3811 Powercat LnSt George, KS 66535Zane is attending graduate school at Kansas State University.

Joseph Hagood

401 Sarah Ln Apt A5Haysville, KS 67060Joe is teaching math and a computer class at HaysvilleAlternative Education Center in Haysville, KS.

Arthur Hammeke

405 E 14th Ellis, KS 67637 Arthur is attending classes at FHSU in the Geosciences Department.

Gregory Hanna

5619 Yucca Rd Hutchinson, KS 67502 Greg is preparing for work as a missionary.

Adam North

649 140th Ave. Hays, KS 67601 Adam is teaching math at Stockton High School.

James Pierce

1804 E 27th St #B Hays, KS 67601 James is attending graduate school at FHSU.

Tyler Remmert

1612 Harrison Great Bend, KS 67530 Tyler works for Carlson Survey, Hays.

Shawn Robb

P.O Box 53 Agra, KS 67621 Shawn is attending graduate school at FHSU.

Andrew Trapp

209 Kansas Ave. Susank, KS 67544 Current occupation is unknown at this time.

Casey Young

RR 1 Box 50 Tribune, KS 67879 Casey is attending classes at FHSU in Information Networking and Telecommunications.

Arman Yusuf

919 6th St
Natoma, KS 67651
Arman works in Lexington, Kentucky as a software tester at Lexmark International. He plans to pursue a master's degree in Computer Science at the University of Kentucky.

Please use this form to notify us of a change of address or to contribute information for the next newsletter. Return to: Department of Mathematics and Computer Science, Fort Hays State University, 600 Park Street, Havs, KS 67601 or E-mail the information to: bunruh@fhsu.edu

DATE

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Name, address, and high school graduation year of students who might be interested in attending FHSU and applying for Mathematics and Computer Science Scholarships: