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# **Dilbert Meets**

# **Jack Welch**

with a little Will Rogers and Mark Twain thrown in for flavor

Dr. Gene Woolsey has been a Colorado School of Mines faculty member for over 30 years. He has also been one of the most controversial, outspoken and beloved figures in the Operations Research community, Real World Operations Research: The Woolsey Papers collects 33 of his best articles and essays into what some would

call a "How To Manual for Success." Sure, a lot of business books make similar claims but consider this:

Woolsey's students (all of them CSM graduates) have generated a verified \$820 million in savings for businesses and government.

Learn what Woolsey's students know. The Woolsey Papers goes beyond lessons in real world problem solving giving Woolsey's unique take on teaching, marketing, consulting and working on government projects. A must read for success-oriented Miners!

Real World Operations Research: The Woolsey Papers

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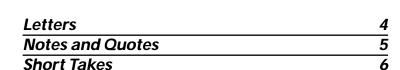
The Woolsey **Papers** 

Real World Operations Research:

By Robert E. D. Woolsey, Ph.D., F.I.D.S.







onte

### Sea Floor in High Definition Researchers examine hydrates in the deep sea

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Strategic Plan 2004-2014 Charting the course for the next decade at Mines (see separate document)

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**People Watch Building a future** 



#### **About Our Cover:**

In a special pull-out center insert, Mines presents an ambitious, visionary plan for the decade ahead.



#### MINES FALL 2004

Mines is published quarterly by the Colorado School of Mines and the CSM Alumni Association for alumni and friends of the School. The magazine is a merger of Mines Magazine (founded in 1910) and Mines Today (founded in 1986). The merger took place in 2000.

Comments and suggestions are welcome. Contact us by writing to MINES, P.O. Box 1410, Golden, CO 80402; or call 303-273-3294 or 800-466-9488, ext. 3294 between 8 a.m. and 5 p.m. M-F, MST; or email magazine@mines.edu

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www.mines.edu csmaa.mines.edu/alumni

#### **Letters to the Editor**



I enjoyed reading the letter from Lou Amick about his slide rule that appeared in the Spring 2004 issues of *Mines*. My old slide rules are displayed in a glass case in my office as shown in the enclosed photo. The sign at the bottom of the case reads in red capital letters "BREAK GLASS IN CASE OF CALCULATOR FAILURE." Hopefully I will never have to follow that instruction.

Richard Waissar MSc Min '62

I receive *Mines* at my home because my son is too lazy to send his address changes to you. It's not my job!

I worked in research for almost 40 years and was delighted to read "Going to Extremes, Materials Science and Engineering" by Mark Eberhart. I saw Lawrence Berkeley National Lab credited for a photo. I worked there on accelerators for 36 years. I would really like to thank Eberhart for his excellent article.

Jim Hinkson, father of Stephen J. Hinkson BSc Phy '91



If you look closely, you can see that Guggenheim is at the end of the rainbow.

Correction: Grant D. Erdmann BSc Math '98 received his PhD in industrial and applied mathematics from University of Minnesota in 2003, not a master's degree as reported in the last issue.

Correction: *Rocky Mountains to the World: A History of the Colorado School of Mines*. CSM President Emeritus Theodore Bickart's name was misspelled in the history book on pages 11, 185, 202-204 and 207. His name appears as Bickert instead of Bickart.

# Alumni notes & quotes

#### State and School Credit Unions Announce Merger

The Colorado State Employees Credit Union (CSECU) and the Colorado School of Mines Federal Credit Union (CSMFCU) announced plans to combine forces after CSM members voted their approval by a large margin in June. The merger will maintain the integrity and culture of each organization while offering greater benefits to its members.

New benefits to CSMFCU members will include online banking and bill pay, VISA debit and credit cards, and a variety of new account and loan options. CSECU members will have access to the CSMFCU's Golden location, giving all members a total of 13 branch locations.

"This merger will provide CSMFCU members with the same core values of the financial security and personal service that they've come to expect, but with access to greater resources," said Terry Leis, president and CEO of CSECU. "We look forward to other similar mutually beneficial opportunities in the future."

### Jerger '95 Wins Creativity Award

**Kristen Morahan Jerger BSc Eng '95** won the 2004 Destination ImagiNation, Inc. Risogimento Award in May. The award is given in recognition of outstanding creativity that transforms the world.

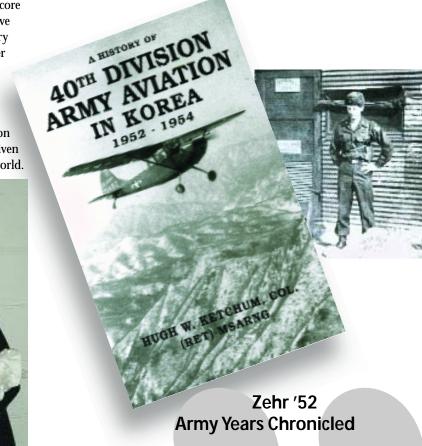


Kristen and husband Matthew Jerger BSc Eng '94 and their new twins. Kristen is holding her award plaque.

Destination ImagiNation is a nonprofit creative problem-solving program for children throughout the world. Former recipients of the award include Walt Disney, maze creator Adrian Fisher, and sculptor and engineer Arthur Ganson.

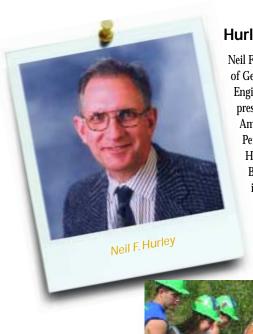
Alumni notes

Jerger has actively participated in and developed conceptual problem-solving skills for nearly 20 years. Her dedication has led her from being a team member for Hamilton Middle School in Denver to being the holder of national and European patents. Jerger works for Valleylab, which develops electrosurgical and ultrasonic technologies. She has designed an ultrasonic surgical aspirator used to isolate, fragment and aspirate tissue bundles, used predominantly in neurosurgery to remove brain tumors. She also has patents for designs involving argon-enhanced electro surgery.



**Norm Zehr EM '52, MSc Min '56** was mentioned in a new book, *A History of 40th Division Army Aviation in Korea.* Zehr was a fighter pilot who served in Korea from 1953-1954.

# **Short** takes



### **Hurley Elected VP**

Neil F. Hurley of the Department of Geology and Geological Engineering has been elected vice president by the 31,000-member American Association of Petroleum Geologists (AAPG). Hurley, who holds the Charles Boettcher Distinguished Chair in Petroleum Geology, is a past elected editor of AAPG.

#### RMAC Honors Murphy

**Mines Sports Information** 

Director Greg Murphy
received the third
annual J.W. Campbell
Award in July at the
annual Rocky Mountain
Athletic Conference
(RMAC) Hall of Fame
banquet in Colorado
Springs. The award,
nominated and voted
upon by the 14 sports information
directors in the RMAC, recognizes
excellence and professionalism in the
field of sports information.



the largest-ever number of new students—approximately 800 freshmen and transfers—started the school year with the M-Climb tradition.

#### A Lot of Paint

More whitewash than ever covered the "M" on Mt. Zion in August as

# "Silver Snoopy" to Abbud-Madrid

Angel Abbud-Madrid, associate research professor of Chemical Engineering and associate director of the Center for Commercial Applications of Combustion in Space, received the NASA Astronauts' Personal Achievement Award ("Silver Snoopy" Award) on June 22 in Cleveland, Ohio. The award was presented by NASA astronaut Don Pettit: Dr. Julian Earls, director of NASA Glenn Research Center; and Ann Over, chief of the Combustion Flight Projects Branch at NASA's GRC. The "Silver Snoopy" is awarded by NASA's astronaut corps to individuals for outstanding efforts

# Young for President Geophysics Department Head

Department Head
Terry K. Young MSc
Geop '77, PhD Geop
'80 is president-elect of
the Society of Exploration
Geophysicists, with a
worldwide membership of
approximately 20,000. His
term begins in October at
the end of the society's
annual international meeting
held in Denver. Young is
general chairman of the event.

#### **Society News**

Dr. Brajendra Mishra of the Metallurgical and Materials Engineering Department has been selected to serve as president of The Minerals, Metals and Materials Society of AIME in 2006. He will serve as the vice president in 2005. Currently the chair of the Extraction & Processing Division, Mishra has served on the board of directors since 2001. In addition, Mishra has been named a Fellow of the American Society of Materials International for 2004.



Terry K. Young

that contribute to the success of

human space flight missions.

#### **How Hot Was It?**

On a KUSA-TV, 9News, story that aired July 13. Mines Physics Department representatives helped anchorman Ward Lucas report the city's 99-degree temperature. Not only did the group cook an egg under the sun, they also prepared s'mores by melting chocolate and marshmallows as the TV camera rolled. From left: Students Josh Dorr and Regina Caputo. Physics Department Program Assistant Barbara Pratt Johnson, Professor Tom Furtak, Ward Lucas and the



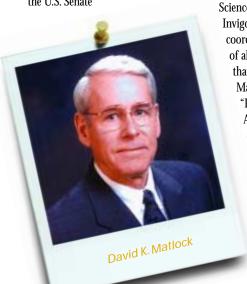
#### Water Research Granted \$2.69 Million

The U.S. Department of Energy has awarded \$2.69 million to fund research on "Produced Water Management and Beneficial Use," a project that partners Mines with researchers in Montana and Wyoming, as well as colleagues at the Gas Technology Institute, Argonne National Laboratories and Stanford University.

The two-year project, initiated by the newly established Colorado Energy Research Institute at Mines, will address critical regional water issues.

#### U.S. Senators Hear Matlock

David K. Matlock spoke at the Materials Information Luncheon for the U.S. Senate



July 7 in Washington D.C. Matlock's presentation was part of the program "American Steel: Forging Strong Links between Materials Science and Technology to Invigorate the Industry," coordinated by the federation of all U.S. professional societies that emphasize materials.

Matlock spoke about "Partnerships to Enhance American Steel - The Role of the University."

Caucus on Science and Technology

A member of the National Academy of Engineering, one of the highest professional distinctions accorded an engineer, Matlock is the director of Mines' Advanced Steel Processing and Products Research Center and is the Armco Foundation Fogarty Professor in the Department of Metallurgical and Materials Engineering.

#### **No Dummies Here**

Rob Farrington explains
"Adam," the fully
instrumented mannequin
in the automatic airconditioning research center
at NREL during the 2004
Energy and Minerals Field
Institute for government
officials, hosted in August
by Mines' Special Programs and
Continuing Education.



6

Channel 9 photographer.

# Sea Floor in High Definition

Want to watch your favorite TV sports event in high definition? Why not your underwater research too? On one TV screen you observe characteristics of sea floor hydrates a half mile away, and on another you glance over and catch Lance Armstrong gracefully finishing his sixth straight Tour de France victory. For Mines graduate student Keith Hester BSc Chem Eng '02, this was a reality at sea.

In conjunction with the Monterey Bay Aquarium Research Institute (MBARI), Hester and Mines Professor Dendy Sloan recently embarked on a research project concerning natural hydrates in the deep sea. A hydrate is an ice-like compound composed of water, which can trap large volumes of gas, such as methane. The two-week study at the Hydrate Ridge site off the

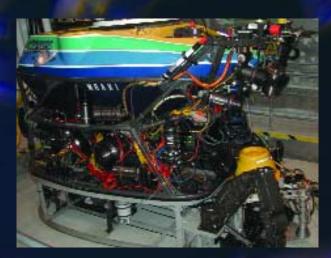
coast of Oregon yielded results concerning the amount of methane available in natural hydrates. Natural hydrates are estimated to contain nearly twice the amount of methane found in traditional fossil fuels such as oil. "At a time when the world is starting to search for new sources of energy, it's important to remember the ocean makes up 70 percent of our Earth and we should be looking for possible sources there first," Sloan commented.

The research was done *in situ*, or in an undisturbed natural environment, using a remotely operated vehicle (ROV). Hester obtained results via a laser Raman spectrometer capable of measuring molecules remotely underwater. Hester, in a control room almost a half mile from the spectrometer, instructed

#### By Jil Erganbright

MBARI pilots on how to position the spectrometer as he observed on high definition television monitors. Sloan marveled at the impact of using such technology, noting, "In a way, this research method is Jules Verne's dream of scientific fiction coming true."

Hester is working on his Ph.D. in chemical engineering. His thesis focuses largely on deep sea Raman spectroscopy on natural hydrates. The research done by Hester and Sloan was funded by the National Undersea Research Program, a division of the National Oceanic and Atmospheric Administration (NOAA). Hester's work is published on the MBARI Web site under the gas hydrates section of the Raman spectrometer research. To take a closer look at Keith's work, visit www.mbari.org/raman/hydrates.htm.



ROV Tiburon is a custom-made \$6 million remotely operated vehicle.

From left in back row, Dendy Sloan and Keith Hester of Mines, John Freeman, Chief Scientist Peter Brewer, Edward Peltzer. From left in front row: Kristen Schmidt, Alana Sherman, Sheri White, Rachael Dunk. All are associated with the Monterey Bay Aquarium Research Institute, funded by the David Packard Foundation.





The Raman spectrometer was deployed on the ROV Tiburon.



Hester focused the Raman laser on a natural hydrate specimen from the control room a half mile away.

#### **CSM Alumni Association**

#### **Officers**

Arthur T. Biddle Met E '61 President Alan J. Mencin BSc CPR '79 President-elect Kathleen A. Altman BSc Met '80 Treasurer Roger Newell MSc Geol '71 Secretary

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#### **Send-Off Parties**

One way alumni stay in touch is to host and/or attend send-off parties for incoming freshman.

In the Gulf Coast area, Rob Jenkins '60 and his wife hosted a send-off party for incoming freshman Douglas Watson and his parents. From left, Gordon Royce '60, Ron Doster '00, Eric Drennan '02, Dick Houston '65, Jenkins and guest of honor, Watson.

In Wyoming, Lisa '92 and Bryan Mortimer '91 and Lorraine '96 and Michael Patton '94 hosted a dessert reception for incoming freshmen Chip Eklund and Jennifer Hanks. Back row from left, Byron Eklund, Chip Eklund, Michael Patton, Bryan Mortimer, Dennis Kosub, Jennifer Hanks, Bill Fischer '56, Herb Price '65 and Brian Quick '98. Front row, Nancy Eklund, Lorraine Patton, Lisa Mortimer, John Fraher '44, Jim '76 and Maria Criswell '75. Not pictured but in attendance were Fran and Randy Pitts '78.

#### Southwest

#### **Phoenix**

A group of alumni got together in Phoenix this summer to picnic and watch the Rockies beat the Diamondbacks.

#### Central

#### Chicago

In Chicago, a group of alumni gathered to watch the Colorado Rapids beat the Chicago Fire in soccer.











#### Metro Denver

For the second year in a row, the Alumni Association hosted a freshman move-in day picnic at the Coolbaugh House. This year, more than 300 attended including students, their families and alumni. The following Monday, alumni volunteered again to help freshman by handing out water during the "M" climb.



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Thank you to all who participated in the 20th annual CSMAA golf tournament.



2004 Winners from left, Dan Kleckner, John Kleckner '86, Dean Warne '84, Mike DeBerard '82.

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George '80 and Kathy Breit **Coors Brewing** Golden Safeway Mines Annual Fund Kenneth W. Nickerson '48

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#### **Prizes: Apple Vacations**

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Liberty Mutual Meyer Hardware Steve Mooney '56

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US Airways United Air Lines

#### 2004 Committee:

Woody's Pizza

Roy Banks Jim Cowing '71 Greg Murphy Dan Lewis Doug Miller '64 Sandy Miller, Travel Society (sandym@travelwithsandy.com) Janet Blair

Kathy Breit Maureen Keller

The event raises money for the CSMAA Finanical Assistance Program - more than \$106,700 so far!



Dear Colleagues and Friends:

With much gratitude for the efforts of many individuals, I am pleased to introduce the Strategic Plan for Colorado School of Mines. In the pages that follow, we share with you an exciting outline for the next 10 years. A description of the campus Facilities Master Plan, designed in conjunction with the Strategic Plan, will appear in the next issue of *Mines* 

These summary plans capture some, but by no means all, of the thinking that has brought us to this point. Implementation will require an enormous amount of further study and analysis, as well as numerous decisions regarding specific strategies and actions. Individuals and committees are already operating to this end, and more will be engaged in the coming months. In addition, the foundations for a strong marketing effort are in development.

One element of the Plan is to move Mines from a local orientation to one that expressly encompasses national and international needs. This is reflected in our goal to broaden the student base and also in the emphasis on key focus areas that build upon our existing and near-term potentials. Continued excellence in education is of paramount importance. Even as we enhance our academic programs, we will design added educational dimensions to better prepare our graduates for successful careers, leadership roles in their respective fields and responsible citizenship. All possible benefits of a residential campus—including academics, student-life activities and professional service—will contribute to an exceptional Mines educational experience.

Through our degree programs, research, and public service, Mines will become even more of a full-service provider for the segments of society we serve. Increased professional-outreach programs and enhanced technology transfer are among the planned extensions of our current portfolio. Policies, procedures, facilities and infrastructure to support research are all slated for essential improvements.

Enacting the Plan in the decade ahead, Mines will do business in new ways, as evidenced by an enhanced interdisciplinary or "whole institution" approach, as well as an increased emphasis on external partnerships. The recent Affiliation Agreement between Mines and its Alumni Association sets the stage for alumni to participate in many aspects of the Plan.

This is a critical time for Mines. Our environment and, particularly, our relationship with the State, are changing rapidly. In fact, these changes may even affect the priorities and sequencing of the Strategic Plan. Our existing resources are stretched, and there is tremendous pressure to develop new sources of support such as endowments, sponsorships and entrepreneurial initiatives. The reputation of Colorado School of Mines remains extraordinary, and the support of alumni, friends and corporate partners is more robust than ever. However, we fully realize that the School must work hard to continue to earn such support. Hence, the Strategic Plan is just one representation of an ongoing process of continuous learning and improvement.

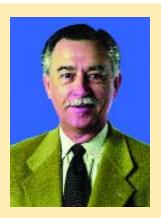
As higher education responds to challenges, Mines will play a prominent role in developing positive solutions. Working together we will fulfill our vision for the future of this great institution.

John U. Trefny

President, Colorado School of Mines

# President's Council Celebrates TWENTY YEARS of GIVING





"I feel a strong responsibility to the future of the Colorado School of Mines as a repayment of a debt I owe. While at Mines, I received a great deal of support from alumni. I know that now, and I want to do my part to support the students who are on campus today The President's Council is a great vehicle through which I can make this commitment, and every Mines grad should try to join."

Harry J. Briscoe, Jr. '70 '72 President's Council, Charter Member The Mines President's Council was founded 20 years ago on the principle that the School's vital mission is best served when a dedicated community of alumni and friends remains intellectually and financially invested in the institution. For the past two decades the generosity and commitment of Mines supporters have more than validated this belief.

Colorado School of Mines would be a very different school without the extraordinary contributions of President's Council members:

- Council members have created 156 of the 190 endowed private scholarships making awards to Mines students this fall.
- Eleven of the 20 endowed chairs and professorships at Mines are the product of President's Council members' gifts.
- Annual philanthropic support from individuals to Mines has grown significantly, with slightly over \$1 million in gifts recorded for the year prior to the founding of the President's Council, compared with well over \$11 million during the 2004 fiscal year.

All told, during the past 19 years 1,645 members of the President's Council have provided over \$115 million in support of the School. This sum represents more than 85 percent of all monetary gifts ever given to Mines by individuals.

To mark these *TWENTY YEARS of GIVING*, the School invites members, past and present, along with all Mines alumni and friends, to consider a special President's Council gift.

"I would like to take this opportunity to encourage all Mines supporters to commemorate this milestone anniversary by rededicating your commitment to the School," states President's Council Chair, Harvey Klingensmith '75. "My vision for the President's Council during this upcoming year is one in which loyal members increase their support for the School, past members reconnect with Mines, and the ranks of first-time President's Council members swell to record numbers. I hope all Mines alumni and friends share this vision and will help to make it a reality."

In 1986 at the close of its inaugural year, **Russell L. Wood '49**, the President's Council's first chair, noted that Council involvement had nourished a heightened sense of purpose and enthusiasm among the Mines community. He wrote that the Council had given Colorado School of Mines renewed confidence to meet the challenges that lay before it.

Twenty years later, the President's Council still imparts this confidence to the School, its students, faculty, alumni and supporters. Strong participation in the President's Council will ensure that Mines continues to flourish in the years ahead.

Colorado School of Mines recognizes alumni, parents, faculty, staff and friends who make annual contributions of \$1,000 or greater through membership in the President's Council. Gifts may be made in many forms, including cash, credit card or negotiable securities. Matching gift contributions are recognized and applied toward President's Council membership. While the President's Council places primary emphasis on unrestricted gifts, endowments and designated contributions qualify as well. For more information, contact the Office of Institutional Advancement, 303-273-3275.

#### October

Westside Mixer in Golden, Colo. 5-7:30 p.m., Woody's, 1305 Washington. First Thursdays. Pay own way.

Dallas, Texas, Happy
Hour. Place and time TBA.

Golden, Colo., Lunch Bunch: second Thursdays at Buffalo Rose 1119 Washington, 11:30 a.m. Pay own way.

Downtown Denver Mixer: second Thursdays. Marlowe's, 211 16th Street, 5-7:30 p.m. Pay own way.

Durango, Colo., football event at Ft. Lewis College. Call Bob Pearson '59 for information, 800-446-9488, ext. 3959.

Grand Junction, Colo., section luncheon: third

#### October

Thursdays. Bookcliff Country Club, 2730 G Road, noon. For information call John Howe at 970-242-4903.

Denver Young Alumni Pub Tour: The Bank, 2239 E. Colfax, Denver. 5-7:30 p.m.

22-23 Homecoming and REUNIONS for classes '94, '99, '89, '84, '79

#### November

West Side Mixer in Golden, Colo. (see Oct. 7 for details)

Golden, Colo. Lunch
Bunch (see Oct. 14 for
details)

Downtown Denver Mixer (see Oct. 14 for details) Dallas, Texas, Happy

#### November

Hour. Time and place TBA.

Denver Young Alumni Pub Tour: Mike O'Shays, 512 Main St., Longmont. 5-7:30 pm.

Grand Junction, Colo., section luncheon (see Oct. 21 for details).

26-27 Basketball event at University of Nebraska-Omaha. CSM vs. South Dakota, 3 p.m., Friday. CSM vs. UN-O, 8 p.m., Saturday. Call for details (800-466-9488, ext. 3959).

#### December

Westside Mixer in
Golden, Colo. (see Oct. 7
for details)

#### December

O 3 Houston: Holiday luncheon at the Petroleum Club, 800 Bell St., #4300, 11:30 a.m.

Spokane, Wash.,
Northwest Mining
Conference Alumni Breakfast,
7 a.m., Location TBA

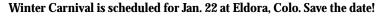
Denver Young Alumni Pub Tour: Governor's Park, 672 Logan St., Denver. 5-7:30 p.m.

Golden, Colo. Lunch
Bunch (see Oct. 14 for details)

Downtown Denver Mixer (see Oct. 14 for details)

1 4 Dallas, Texas, Happy Hour. Details TBA.

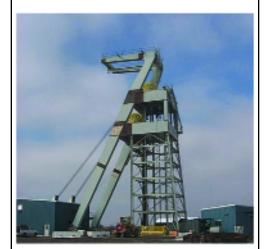
Grand Junction, Colo., section luncheon (see Oct. 14 for details).



For the most up-to-date information on what's happening in your area, check the website at www.alumnifriends.mines.edu and click on "News and Events" (top of page). Scroll down to the calendar.

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- · You may avoid any taxable capital gain.
- · You may be able to provide lifetime income for yourself and your family.
- You may realize estate- tax savings.
- With gifts of \$1,000 or more in value, you are recognized as a member of the CSM President's Council.

Undeveloped, revenue generating or environmentally sensitive land may be accepted by the CSMF Property Management Corp. The unique expertise and talents of the CSMF Property Management Corp. could help relieve you of the liability of property with environmental issues.

Gifts of property, stock or other capital assets can be used in making a charitable gift to your alma mater. As with any gift to the School, you will have the satisfaction of knowing that you are providing for future generations of students.

For more information, contact the Managing Director, CSM Foundation Inc. Linda M. Landrum at (303) 273-3142

# CSM Athletics

# Athletics fall 2004

## Hannah Davey Becomes First National Champion in Mines History

By Greg Murphy, Sports Information Director

CSM has a rich history of athletics and junior Hannah Davey added to that history May 29 at the NCAA Division II Outdoor Track and Field Championships at Hilmer Lodge Stadium at Mount San Antonio College in California.

It was there that Davey became the first female athlete and the first track and field athlete in School history to win a national championship when she won the 3,000-meter steeplechase in a School-record time of 10:33.72.

CSM has sponsored women's athletics since the 1978-79 season and there are records for men's sports, such as



"I was really nervous because I had never been at a meet that big before and that was only the fourth time I have run that race in competition," Davey said. "I was afraid I was going to trip over the barriers."

The steeplechase is one of the more unique and grueling events in track and field as it combines running with jumping over a barrier and water pit. "I thought it would be more interesting than running around loops all the time," Davey said. "I

like to jump around and run hills and I thought I would be good at the steeplechase."

Davey did not have much time off to rest. She continued to train throughout the summer in preparation for the 2004 cross country season.

Davey and her teammates will be out to

season in School history.
In 2003, the squad finished fifth at the
North Central Regional Championships to
earn a berth at the NCAA Division II National
Championships for the first time in program
history and placed 14th. Davey was the second

improve upon last year's most successful

Oredigger to cross the finish line and recorded a 55th place finish in the overall standings.



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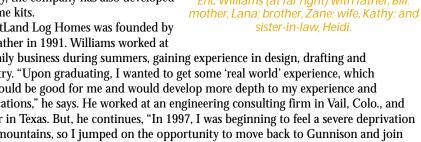
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## **Building a Future**

Eric Williams BSc Eng '95 might be the man to see. "Designing and building with logs is a unique niche," says the co-vice

Williams, as a partner in the family business, has built a 700-square-foot cabin in Taylor Park, Colo., a 6,000 square-foothome in Salida, Colo., and most sizes in between. In addition to local Colorado projects, his company has projects in Arizona, Texas, Massachusetts, Pennsylvania and Rhode Island as well. Recently, the company has also developed log home kits.

GreatLand Log Homes was founded by





Eric Williams (at far right) with father, Bill;

our designs and projects."

Working with family has its plusses. "We generally have extremely open communication, which leads to an honest and very productive atmosphere," Williams notes. Of course there's always the threat of seeing too much of your loved ones. "But overall it's very rewarding."

Williams says his education has served him well. "Mines stresses hard work and quality in their curriculum, professors and classes," he says. "This prepares you in a significant way for future work – productivity, working with people, learning things you're not yet proficient in. Mines really cultivates professionalism and excellence. At Mines you 'learn how to learn' and it stays with you for a lifetime, which is valuable because you never quit learning and improving."

Owning a small business requires a person to constantly expand one's knowledge. In

addition to understanding wood. with its ability to lose or gain moisture with changing conditions, Williams has to understand and use concrete. stone masonry, steel, structural settling jacks, floating walls and more. "It's a challenging and rewarding career," he says.







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president of GreatLand Log Homes in Gunnison, Colo. "In design, it's wood, wood, wood,"

Eric's father in 1991. Williams worked at

the family business during summers, gaining experience in design, drafting and carpentry. "Upon graduating, I wanted to get some 'real world' experience, which I felt would be good for me and would develop more depth to my experience and qualifications," he says. He worked at an engineering consulting firm in Vail, Colo., and another in Texas. But, he continues, "In 1997, I was beginning to feel a severe deprivation of the mountains, so I jumped on the opportunity to move back to Gunnison and join the family business. As partner and vice president, I have a large variety of responsibilities ranging from management to technical drawings. I received my Professional Engineering license in 2003, which has been a valuable asset and adds another level of credibility to



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#### 1947

John P. Cogan EM, MSc Min '50 is retired in Colorado Springs, Colo.

#### 1955

Horacio B. M. Aycardo PRE is retired in Rizal Province, Philippines.

Joseph L. Harbison PRE is retired in Edmond, Okla.

#### 1958

**Emmerson Kemp Met E** is retired in Tucson, Ariz.

#### 1959

Lary G. Cahill Met E is retired in Ocean View, N.J.

#### 1963

C. Thomas Caves EM is a financial adviser for UBS Financial Services Inc. in Carmel, Calif.

#### 1966

J. Stephen Wagner PE is manager of engineering for SND Energy Company, Inc. in Dallas.

#### 1968

Thomas S. Elliott PE is chief operating officer with Rock Energy

Partners in Houston.

#### 1970

Harry J. Briscoe, Jr. BSc Geol, MSc Geol '72 is an independent consultant in Humble. Texas.

Garv R. Steele BSc Met. MSc Min Ec '75 is president and owner of Steele Capitol Advisors, Inc. in Centennial, Colo.

#### 1971

Carlos E. Mateus BSc Pet is an independent consultant in Houston.

Paul E. Thompsen BSc Met is technical director for Aker-Kvaerner in Tucson, Ariz.

**Edwin Dale Thompson BSc Pet** 

is a reservoir engineering adviser for Noble Energy Inc. in Houston.

#### 1972

Thomas F. Hamlyn BSc CPR is retired in Kherson, Ukraine,

#### 1973

Don G. Beeslev BSc Math is an independent consultant in Erie, Colo. Kent M. Crites BSc CPR is

technical sales manager for EnviroKenetics Inc. in Boulder, Colo.

Rodney D. Hunley MSc Math is manager of systems support for P2 Energy Solutions in Denver.

#### 1974

William Chirnside EM is retired from the U.S. Geological Survey in Lakewood, Colo.

#### 1975

Daniel T. Reineke BSc Pet owns Daniel T. Reineke, P.E., in Oklahoma

#### 1977

Christopher C. Traeger Geop E. **BSc Geop** is a geophysicist with **Plains Exploration and Production** in Los Angeles.

#### 1978

Salvador Gonzalez BSc Met owns Spanish Interpreting of Colorado in Westminster.

Joseph Kuchinski BSc CPR is an asset manager for Duke Energy Field Services in Greeley, Colo.

#### 1980

LecClier Smith BSc CPR married Fred Kelly April 20 in Kauai, Hawaii.

Catherine V. Woldow BSc Geol, MSc Env Sc '90 is environmental health and safety program manager at the University of California at Santa Cruz.

#### 1981

Gregory A. Ernster BSc CPR is president of Avalanche Oil & Gas Consulting Inc. in Colorado Springs,

Ann E. Hanson BSc Geop is new category development director for Igloo Products Corp. in

Stephen R. Wolfe BSc Pet is a diagnostic engineer for Pinnacle

Technologies in Centennial, Colo.

#### 1982

William Pincus MSc Geol, MSc Min Ec '86 is president, CEO and on the board of directors of Reliant Ventures in Vancouver. B.C.. Canada.

#### 1986

Peter H. Kendrick BSc Geop is co-president of Whipken Development LLC in Reno, Nev.

Patrick J. McGee BSc Geop is an electronical avionics engineer for The Boeing Company in Everett,

Howard A. Steidtmann BSc **Min** is president of the Mine Planning Group in Stateline, Nev.

#### 1987

Dan BSc Geop and Jill Kristan Donoho BSc CPR '88 announce the



birth of daughter, Jaclyn Danielle, Sept 26, 2003. Jackie joins big sister Victoria (Tori), 2. Dan is the managing partner of Donoho Oil & Gas Consultants LLC.

**Troy A. Hoefer BSc Pet** is a senior staff reservoir engineer for Pioneer Natural Resources in Dallas.

Craig H. Schurig BSc Pet is head football coach football for Washburn University in Topeka,

### 1988

Gregory L. Griffitt BSc Eng is lieutenant commander and maintenance officer for the U.S. Navy in Atsugi, Japan.

Brian Johnson MSc Min Ec is director of energy and utilities, Asia Pacific, for PricewaterhouseCoopers in Melbourne. Australia.

**Timothy P. Lane BSc Geop** is a senior geophysicist for the Forest Oil Corporation in Denver.

Jeffrey P. Quaratino BSc Eng is a structural engineer for Burns & McDonnell in Houston.

Monica Steikunas-Griffitt BSc **CPR** is an environmental project manager and a civilian employee with the U.S. Army Corps of Engineers in Japan.

#### 1989

Bradley R. Blair BSc Geol, M Eng Min '93, MSc Min Ec'04 is a research professor in the Center for Commercial Applications of Combustion in Space at CSM.

Timothy A. Hylton BSc Met, PhD Met '94 is general manager of quality assurance of industrial products for Maverick Tube Corporation in Chesterfield, Mo.

#### 1990

Anthony P. Gangemi BSc Eng, MSc Env Sc '93 is an associate attorney for Wiggin and Dana LLP in New Haven, Conn.

Mark K. Reeves BSc Pet is a reservoir engineer for Shell International Exploration and Production in Muscat, Oman.

#### 1991

William L. Bahn BSc Phy, M Eng Engr Sys '04 is a senior engineer for Black Forest Engineering in Colorado Springs. Colo.

Steven R. Klimowski BSc Geop is an energy analyst for project development for Trimont Energy Services. Inc. in Houston.

#### 1992

Victor T. Massey BSc Eng is the product manager for Trinity Glass in Orting, Wash.

Penny J. Pettigrew BSc Chem was promoted to senior scientist by Morgan Research for her work in support of the Materials Science Research Rack International Space Station microgravity payload at

NASA's Marshall Space Flight Center in Huntsville, Ala.

#### 1993

J. Russell Cirillo BSc Eng is an environmental engineer consultant for SECOR International, Inc. in Golden, Colo.

Mary C. Griggs MSc Env Sc, P.E., is a senior project manager/remediation engineer at Science Applications International Corporation in Lakewood, Colo.

Michael G. Lindsey BSc Met is general sales manager of bar products for the Chaparral Steel Co. in Midlothian, Texas.

Jennifer L. Schwarz BSc CPR is an extruder manager for the International Paper Company in Pine Bluff, Ark.

#### 1994

Catherine C. Bedwell BSc CPR is a staff facilities engineer for Pioneer Natural Resources in Irving,

Holly E. Bellmund MSc Env Sc

is manager of engineering for RMC Industries Corp. in Decatur, Ga. Sombun Charoenvilaisiri MSc **Met** is assistant professor at King Mongkut's University of Technology

Thonburi in Bangkok, Thailand. W.J. "Johnny" DeCooman Jr. MSc Min Ec is vice president of Mining and Metals Advisory, a division of Standard Bank Group in New York City.

Jaime A. Guzman BSc Met, MSc Met '96 received his MBA in 2004 from The Wharton School of the University of Pennsylvania. He is a senior financial analyst for Honeywell, Inc. in Norristown, N.J.

Matt Jerger BSc Eng and Kristen Morahan Jerger BSc Eng



'95 welcomed twins Nils Padraig and Elizabeth Rae March 5. Matt is senior product support engineer at SpectraLink. Kristen is product

development process champion at

Valleylab, They live in Brighton, Colo. Michael A. McDougall BSc Pet is a senior petroleum engineer for Nautilus Resources LLC in Denver.

Blaise S. Mo MSc Env Sc is a criticality safety representative for Fluor Hanford in Richland, Wash

Toshisuke Ozawa MSc Env Sci, PhD Env Sci '02 is a researcher at the National Institute of Advanced Industrial Science and Technology in Japan. He studies sustainable production and consumption issues with a focus on the development of decision-making tools.

Eric Douglas Wilson BSc CPR. MSc Eng & Tech Mgmt '04 is manager of technology solutions for Integrated Industrial Technologies in Denver.

### 1995

Maria Angela Capello MSc **Geop** is executive director of the Alumni and Friends Association at the Universidad Central de Venezuela.

Linda G. Gaines BSc CPR is a PhD candidate at University of North Carolina at Chapel Hill.

Pecarolas CA in Venezuela. Lauren L. Torok BSc Math is project manager for The Schneider

Pedro J. Ortega BSc CPR owns

Corporation in Indianapolis, Ind. Jessica A.L. Verizzo BSc CPR is a product quality engineer for Dell in Austin, Texas,

#### 1996

Daniel J. Cutting BSc CPR is senior processing engineer for Nana-Colt LLC in Anchorage.

Gregory J. George BSc Geop is a project engineer for Colorado Springs Utilities in Colorado Springs.

A Byte Above, owned by lennifer Glennon BSc Met, MSc

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Met '98 and her husband, has been designated as one of only two CompTIA A+ Authorized Service Centers serving Southern Colorado and was named Best Computer Store by The Gazette in its 10th annual "Best of the [Colorado] Springs" section.

Scott A. Goodwin Jr. BSc Pet is a petroleum engineer for the Questar Corporation in Denver.

Eleonora A. Lein-Stevens MSc **Min Ec** is a planning engineer for Occidental of Elk Hills Inc. in Tupman, Calif.

Diana M. Light BSc Eng is a senior aerospace engineer for the Lockheed Martin Corporation in Sugar Land, Texas.

Brian D. Stevens BSc Eng is a systems administration consultant for STEVENS.COM Inc. in Houston.

Jennifer S. Swanson MSc Geop owns Jennifer Swanson Professional Organizing in Chanhassen, Minn.

#### 1997

Nancy C. Ballout BSc CPR is a staff engineer for Philadelphia Gas Works in Philadelphia.

Robert G. Benson PhD Geol is a professor of geology, and geology and GIS program coordinator at Adams State College in Alamosa, Colo

Andrea C. Blaine BSc CPR is a math and pre-engineering instructor at Bear Creek High School in Denver.

Dickie P. Smith BSc CPR, MSc Env Sc '04 is president of Dickie Smith Enterprises Inc. in Snyder, Colo.

Aaron R. Spencer BSc Phy is a sales representative for Mutual of Omaha in Aurora, Colo.

Jennifer A. Van Dinter BSc Geol is manager of investor relations for the Newmont Mining Corporation in Denver.

#### 1998

Thitisak Boonpramote MSc Min Ec. PhD Min Ec '04 is a mining and petroleum engineering lecturer at Chulalongkorn University in Bangkok, Thailand.

Hirofumi Yamamoto MSc Pet is a reservoir engineer for Oxy USA Inc. in Houston.

#### 1999

John J. Brinks BSc Pet, MSc Pet '02 is a petroleum engineer for U.S.

Tracy L. Copp BSc Chem, MSc Mat Sc '01 is a materials and process engineer for United Space Alliance in Indialantic, Fla.

Bradley R. Crume BSc Phy, MSc Engr Sys '04 is a development engineer for ITN Energy Systems in Littleton, Colo.

**Christopher A. Jarratt BSc Eng** is a captain and weapons officer in the U.S. Air Force at McChord AFB.

Edward J. McDonald IV BSc Geol is a project engineer for Vector Colorado, LLC in Golden, Colo.

Tim Niznik PhD Min Ec was awarded the Airline Group of the International Federation of **Operations Research Societies prize** for best innovation for his paper "Efficient Algorithms for Overhaul Task Scheduling."

Roy E. Pfaltzgraff III BSc Math & Comp Sci is a math teacher for Lone Star Schools in Otis, Colo.

#### 2000

Chris L. Baker BSc Eng, MSc Engr Sys '04 is a PhD student at

Jarrod R. Clark BSc CPR is a post-masters researcher for the Los Alamos National Laboratory in New

Geno L. Fallico BSc CPR is a process engineer in DNC diffusion process engineering for Freescale Semiconductor in Cedar Park. Texas.

David A. Naibauer BSc Econ, MSc Eng & Tech Mgmt is a project engineer for Edward Kraemer & Sons in Denver.

Matthew J. Willeford BSc Min

is worldwide service manager for Ingersoll-Rand Company in Garland, Texas.

### 2001

William D. Edwards BSc Math & Comp Sci is a statistical analyst for the Colorado Department of Labor & Employment in Denver.

Mark W. Elliott BSc Pet is a completion engineer for ChevronTexaco in Lafavette, La.

Shelan M. Golightly BSc Pet is an engineer for Mayerick Stimulation Company LLC in Fort Morgan, Colo.

B. Aaron Kelley BSc Math & **Comp Sci** is lead application developer in the Eagle Division for Tyler Technologies in Lakewood,

Jeremiah P. MacSlevne BSc Mat & Mat Eng and Amelia Carus BSc Met & Mat Eng were married



October 2003. They are pursuing PhDs at Carnegie Mellon University. Jeremiah studies materials science engineering and Amelia studies engineering and public policy.

Christopher M. Reidinger BSc **Eng** is a student at Denver Seminary.

Jennifer (Kramb) Rivers BSc **Min** is a captain in the U.S. Army serving with the 1st Infantry Division in Tikrit, Iraq.

Craig W. Sabol BSc Math & **Comp Sci** is an administrative assistant for Waldron & Company

Tracy Stotler BSc Eng and Curtis Perry BSc Eng '02 were married August 2003 in Buena Vista, Colo.

Roger N. Wagerle MSc Geol is a geoscientist for BP in Houston.

Gina Vaccari BSc Chem Eng and Jason Mabe BSc Eng '96 were married July 2003.

#### 2002

Zauresh Atakhanova PhD Min Ec teaches at the Kazakhstan Institute of Management.

Eric C. Berg BSc Eng is a systems engineer for Scientific Applications International Corp. in Longmont, Colo.

Gwendolyn E. Eberhart BSc **Eng** is a civil engineer for the city of Durango, Colo.

Brian A. Ellis BSc Phy, MSc Engr Sys '03 is a senior systems engineer in advanced information systems for General Dynamics in Bloomington, Minn.

Abigail Pagal BSc Eng is a second lieutenant and a developmental engineer in the U.S. Air Force at Edwards AFB, Calif.

Stephen Redak MSc Geol is a geologist for Newmont Mining Corporation in Midas, Nev.

**Dustin S. Rice BSc Chem Eng** is a staff engineer for Hargis & Associates in San Diego.

Jennifer E. Rupp BSc Eng is a civil engineer for the U.S. Bureau of Reclamation in Denver.

Magdalena A. Sekulski BSc Met & Mat Eng is a quality coordinator and project metallurgist for Steel Dynamics Inc. in Avon, Ind.

**Kyle C. Tingle BSc Eng** is a maintenance engineer for CEMEX in Lyons, Colo.

Jesse M. Warman BSc Chem **Eng** is a staff process engineer for Nano Products in Longmont, Colo.

Nathan D. Wilson BSc Eng '04 married Christine Block in Littleton, Colo, Nathan is a structural engineer for Jacobs Engineering Group Inc. in Golden, Colo.

#### 2003



Courtney **Beard BSc** Eng married Matthew Bird BSc Eng

Houston. Courtney is a design engineer with Carter Burgess Inc. Matthew is a mechanical engineer with Bison Engineering.

**Dustin E. Bennetts BSc Eng** is a design engineer for Tensar Earth Technologies in Atlanta, Ga.

Forest J. Bommarito BSc Pet is a CSM graduate student in petroleum engineering.

Daniel J. DeSnyder MSc Min Ec, M Eng Pet '04 is an engineer for Shell Exploration & Production Company in New Orleans.

Alyssa A. Kohlman M Eng Geol is a field engineer with Hayward Baker in Houston.

**Timothy J. Schulte BSc Eng** is a sales engineer for Ingersoll-Rand Company in San Diego.

Taylor T. Shively BSc Econ, MSc Eng & Tech Mgmt '04 is a hardware engineer for the Lockheed Martin Corporation in Boulder, Colo.

Samantha Tokash MSc Geol is a hydrogeologist for Geomega in Boulder, Colo.

Joseph P. Zufall BSc Eng, BSc Eng is a project engineer for the M.A. Mortenson Company in Westminster, Colo.

#### 2004

Bader S. Al Mana BSc Chem Eng, BSc Econ is an engineer for Saudi Aramco in Alkhobar, Saudi Arabia.

Rvan T. Allaire BSc Eng is a multi-discipline engineer for Raytheon in El Segundo, Calif.

Bryce R. Anton MSc Mat ScI is senior production engineer for Vapor Tech in Longmont, Colo. Jonathan M. Ballard BSc Eng is a second lieutenant for the U.S. Air

Force in Ft. Walton Beach, Fla.

Jeremy W. Beckman BSc Math & Comp Sci is a recreation clerk for the City of Broomfield, Colo.

Adam F. Behrle BSc Math & **Comp Sci** is a programmer for Quantum PM in Littleton, Colo.

Nathan A. Biddle BSc Pet works for British Petroleum from his home in Sedona, Ariz.

Jamon D. Bowen BSc Eng is a software engineer for Texas Memory Systems in Houston.

Ahmed Yasin Bukhamsin BSc **Pet** is an engineer for Saudi Aramco in Dhahran, Saudi Arabia.

Shane B. Carwin BSc Eng is an engineer for North Weld County Water District in Greeley, Colo.

Paul F. Christopher BSc Math & Comp Sci is a software developer for the LabJack Corporation in Denver.

Robert M. Connolly BSc Eng is a project engineer for Chevron Phillips in Pasadena, Texas.

Randi J. Crowder BSc Eng is a sales trainee for Ingersoll-Rand in Golden, Colo.

Sarah Lee D'Agostino MSc **Geol** is a coastal geologist for Woods Hole Group Inc. in East Falmouth.

Michael H. Deneff Jr. BSc Eng is a systems engineer associate for Lockheed Martin in Colorado Springs, Colo.

Emil D. D'Innocenzo BSc Eng is an engineer for the U.S. Navy in Eaton, Colo.

Craig E. Divine PhD Geochem is principal and owner of HydroGeo Analysis LLC in Littleton, Colo.

Fariz Fahmi BSc Geop works for ExxonMobil Exploration and Production Malaysia Inc. in Malaysia.

Payman Farrokhyar BSc Math & Comp Sci is a technical sales trainee for Ingersoll-Rand in Littleton, Colo.

Matthew P. Goman MSc Eng & **Tech Mgmt** is a software engineer for the Lockheed Martin Corporation in Denver.

Bonnie E. Harber BSc Eng is a iunior field engineer for Schlumberger in Red Deer, Canada.

Mark F. Hart BSc Eng is an engineer for Baker Hughes Integ in Lafavette. La.

Paul E. Hopkins BSc Eng is a field engineer and estimator for Flatiron Constructors Inc. in Longmont, Colo.

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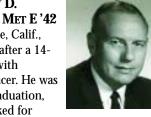
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#### In memoriam

JAMES "JIM" D.
BUHLER SR. MET E '42
of Placerville, Calif.,
died May 7 after a 14year battle with
prostate cancer. He was
84. After graduation,
Buhler worked for



Alcoa until the summer of 1944 when he joined the Navy as an ensign until December 1945. In April 1946, he joined Kaiser Aluminum in Spokane, Wash., where he spent more than 25 years in supervisory and management positions. In 1974, Buhler became vice president of international trading for Gulf Oil until he retired to California in 1978. The next 24 years he raised Arabian race horses, producing several winners. Buhler is survived by his widow, Maxine, four children, 12 grandchildren and nine greatgrandchildren.



DOUGLAS J.
JOHNSON
BSC MATH
'71 died
April 20 after
a two-year
battle with
multiple
myeloma. He

Johnson first saw CSM on a trip out west with his family and decided to apply. His brother, Bob, visited him in 1971 and has lived in Denver ever since. Johnson roomed with Robert Knecht Met E '70 and John Lombardi EM '75 while in school. After graduation, he worked for the Colorado highway department. Johnson was born and raised in New York and returned east when his parents moved to New Jersey. He worked as office manager for L&S Pool Co. of Union, N.J., for 25 years and was a member of the N.J. Bridge League. He loved spending weekends at the home of his late grandparents on Eastern Long Island near where his many friends and family gathered for his funeral service. Johnson is survived by his mother, two brothers, a sister-in-law and three nephews.

**K**ENNETH **E**. **L**INDSAY **M**ET **E** '**40** died June 2 at home in Indiana after a long illness. He

was 86. During World War II, Lindsay served with the Canadian 4th Armored Division as captain. He was born in Winnipeg, Manitoba, and became an American



daughters, six grandchildren, a sister; four



nieces and two nephews.

ERNEST LUCERO
GEOL E '52 died Jan 12
at his home in New
Mexico. He was 80.
During World War II,
Lucero served in the
U.S. Marines and took
part in one of the

bloodiest campaigns, the battle for Tarawa Atoll in the Gilbert Islands. In 1966, he moved to New Mexico where he was assistant manager of the Jackpile Mine, Anaconda Mill and was manager of the Crownpoint Project for Conoco. He also was a government mining consultant. Lucero helped plan the Grants Mining Museum, served on the Grants grand jury and was a volunteer at the Mt. Taylor Winter Quadrathlon. Friend and classmate Jim Jerrell EM '52 said, "Ernie lent a lot of maturity to our little herd and I shall always remember his steadying influence on me. I consider it a great honor to have known him." Lucero is survived by his widow, June, six stepchildren,

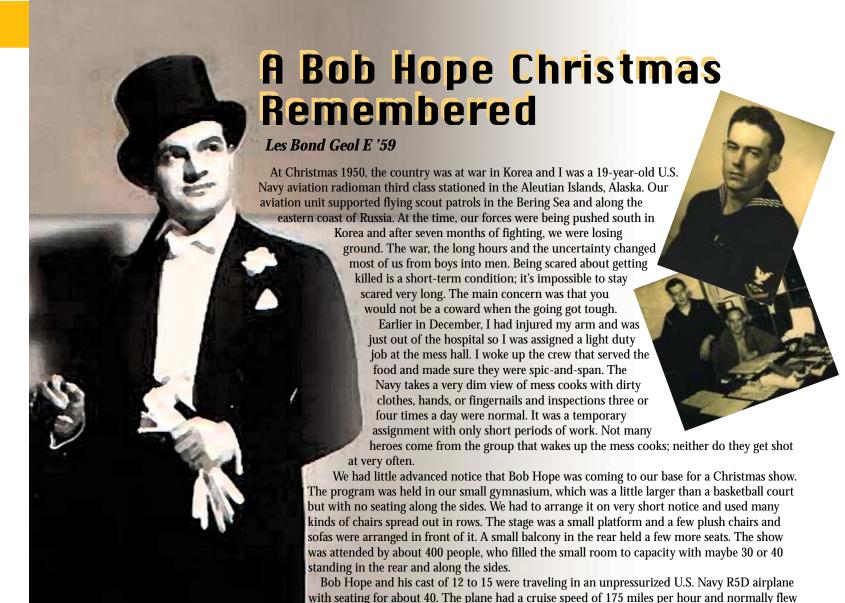
19 step-grandchildren and one step great-grandchild.

CHARLES J. MARQUARDT GEOP E '54 died June 27 in Sugar Land, Texas. He was 71. For 25 years, Marquardt worked for Oryx Exploration and its predecessor, Sun Oil. He and a partner also ran their own company for several years. He was a member of the American Association of Petroleum Geologists. Marquardt's life passion was cruising around the world. He took 29 cruises in 22 years and visited all seven continents. Marquardt was preceded in death by his wife of 47 years, Marjorie Love Marquardt. He is survived by a son, a daughter, five grandchildren, a brother and many nieces and nephews.



PRE '57 died June 25 in Grand Junction, Colo., at age 73. He grew up in Indiana, but in 1948, he moved to Montezuma, Colo., where he worked at Climax and other mines. From then on, he

considered Colorado home. Tolen joined the Army in 1951 and served in the Korean War in the 5th Regimental Combat Team. He received the Purple Heart and Silver Star. After he was discharged, he returned to Colorado, where he met and married Alice Mae Berg. Tolen worked at various refineries throughout his career in Colorado and other states. He was a member of Breckenridge Masons Lodge #47, CSM Alumni Association and the Elks Lodge. He recently attended reunions of two Korean War Veterans organizations: the 5th Regiment and the Outpost Harry Survivors Group, and was awarded the St. Maurice Medal for Valor for his actions at Outpost Harry in Korea. Tolen had a lifelong love of the outdoors and the Colorado mountains and an abiding interest in mining and geology. He also loved history and was particularly interested in the Civil War. He enjoyed reading, thought deeply on many things and loved vigorous discussion. Tolen is survived by his widow, five sons, 13 grandchildren and two greatgrandchildren.



Hope and his crew arrived at about 4 p.m. and the show was held at about 7 p.m. With no fanfare or introduction, Bob Hope appeared from behind a curtain. He looked down at the plush chairs and sofas that were occupied by officers and said bluntly, "We have to fix this before there is going to be a show." Then he turned and went back behind the curtain. After a long moment of silence, the officer group stood up and left the gym. No one cheered, but we were thinking about it. After a few minutes, the crowd filled in those comfortable seats down front and the program got under way.

at 10,000 feet or below. The constant winds in the North Pacific guaranteed a rough flight.

Although the busy flight crew seldom got air-sick, the passengers were not as lucky. Bob Hope

and his team no doubt arrived in the Aleutians in a tired and exhausted condition, to say the

The 45-minute show consisted of a few musicians, a couple of girls in fairly modest clothes who sang two or three songs, but mainly the show was Bob Hope. One joke I still remember was a complaint about his bad luck: "If I won half of Marilyn Monroe in a poker game, I'd no doubt get the half that ate!"

At the end of the show, a list of about 10 soldiers was called and they were asked to stick around. Hope had notes and photos from these soldiers' families back home and he sat down on the edge of the stage and visited with the men. The sight of Hope sitting with his feet dangling down talking to the soldiers was a special time. I don't know how he got the word from the families or how the men were picked, but it seemed very nice of him to do.

Flying to Korea in December 1950 by way of the Aleutian Islands in a slow, low-altitude airplane would have been a trying experience that most people would not repeat willingly. Bob Hope made the trip several times and he was a welcome sight for those lucky enough to have been there. He was a great American and those of us that he cared enough to visit during wartime will miss him at Christmas. He will never be forgotten by the troops he loved.

Colorado School of Mines Alumni Association P.O. Box 1410 Golden, CO 80402-1410



The putt was successful! So was September's Celebration of Mines, with 94 booths touting a variety of campus activities. More than 2,500 students, faculty and staff attended the annual back-to-school event.

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