Entrance to Brown Hall was renovated in late 2002, with new landscaping, improved handicap access, and expanded parking. The lovely Memorial Garden has been made more visible, and benches and plant beds have been added. The Alumni/Advancement Office is still straight up the ramp. Come sometime!

Commitment to Excellence”

In this issue, substantial donations to

Endowment goal is $8 million, so we’ve still got a lot of work to do before we wrap up our campaign,” Bobinsky says. Campaign chair Dr. J. Michael

The cash, gifts, and pledges received so far have established 20 new scholarship programs and endowments – three of which are earmarked for new faculty positions. Library resources are also among

New Endowments, p. 3
Existing Endowments, p. 4
Kyle Puts Tech on Map, p. 5
Technotes, p. 7
New Buildings, p. 8
Nominations, p. 9
Chile Verde, p. 9
First Commencement, p. 10
Intel Volunteers, p. 11
People You Know, p. 11
Obituaries, p. 13
The Patrick Kirkpatrick Memorial Endowment will be used to enhance salaries of named as endowed professors in Tech’s computer department.

Other memorial endowments also recently have been established at New Mexico Tech in response to the university’s Commitment to Excellence campaign, including the Bobbyock Memorial Endowment, the Lillian Rhonhoff Memorial Fund, the John Renouard Memorial Fund, the Dr. John S. Bart Memorial Scholarship, and $100,000 from M. J. Fitzgerald of Tucson, Ariz., to fully fund the Donald Yardley Fellowship.

Several members of the Socorro business community have also made significant donations to Tech’s ongoing capital campaign, including local entrepreneurs Don (69, BA, history) and Rosie Tripp, who created the Online Library Resources Endowment for the university’s Skeen Library, local banker Holm O. Bursum III, who financed the new Holm O. Bursum Faculty Chair in Information Technology, and Mayor Ravi Bhasker, who established the Esther Kelly and John Kelly scholarships, and $100,000 from M. J. Fitzgerald of Tucson, Ariz., to fully fund the Donald Yardley Fellowship.

“This campaign has allowed Mexico Tech to renew many friendships, as well as forge alliances with friends and partners in industry.”

The stated objectives of New Mexico Tech’s Commitment to Excellence campaign are to increase faculty endowments, strengthen instructional and laboratory support; boost student scholarships and fellowships; improve online library resources; and expand the university’s campus observatory.

“The Commitment to Excellence campaign is vital to New Mexico Tech’s future,” López maintained. “There isn’t a public university..."
Endowments to the Commitment to Excellence campaign, many individuals and friends of New Mexico Tech have taken advantage of the opportunity to establish new endowments. We wish to thank the many contributors and benefactors of these endowments. Details on each endowment are available at http://mt.edu/mainpage/giving/age.html.

Gay-Straight Alliance Endowed Scholarship
This endowment was established by Bryan Edwards (75, BS, computer science; 77 M.S., computer science). The award is a book scholarship, intended to encourage students to feel that Tech is a place where assistance can be obtained, regardless of lifestyle. Applicants should be in good standing and may be undergraduates or graduate students.

Holm O. Bursum Faculty Chair in Information Technology
Holm Bursum III, longtime businessman and resident of Socorro, sought to honor his father (Holm Bursum, Jr.) and grandfather (Holm Bursum) with this lasting faculty chair. Once this endowment is fully funded, income will fund the salary and further refine the cutting-edge research being conducted at the university’s centers of excellence,” he adds.

Lillian Herkenhoff Memorial Fund
The Herkenhoff name has been associated with the New Mexico School of Mines since 1920, when Mrs. Lillian Herkenhoff became supervisor of the campus’ dining and residence halls, serving terms from 1931 to 1933 and 1941 to 1950. Her three sons, Gordon, Walter, and Earl, all graduated from the Mexico School of Mines and distinguished careers as engineers, and her daughter, Harriet, married a School of Mines student. This endowment will fund a professorship in Mineral Engineering in the name of Lillian Herkenhoff, as we provide monies for scholarships and mineral purchases for the Mineral Museum at New Mexico Tech.
The LGC) advise our students of keeping the rising cost of college down. Tech is match NMEAF’s gifts, initiated the NMEAF & GC Endowment of New Mexico Tech.

 endowed, once fully funded, will provide financial support for New Mexico students attending New Mexico Tech. Students must be graduates or graduate students in good standing, United States citizens or permanent residents.

Library Resources

In recent years, it has become essential for an up-to-date research library to subscribe to electronic journals, to ensure the appropriate resources for students. For an electrical engineering student, an endowment was established in memory of Bobby Dean Haddock, a former Socorro resident and longtime judge in the New Mexico Science and Engineering Fair, held annually on the Tech campus.

**Donald Yardley Fellowship**

The Yardley Fellowship Fund was established to provide support for graduate students who pursue professional interests in ore deposits and mineral exploration. Yardley was a longtime professor at the University of Minnesota’s School of Mines and Metallurgy, who was an influential mentor of numerous U of M graduates, including Michael “Mike” J. Fitzgerald (B.S., geological engineering, U of M class of 1957), the main benefactor of the new fellowship fund.

**Hydrology Research Endowment**

An undergraduate doing the same type of research who plans to enroll in either the hydrology or mathematics graduate program will also be considered. Named after a longtime mathematics professor at Tech who conducted research in the field of hydrology and also served as Vice President of Research.

**Frank Kottlowski Endowment**

— benefits a graduate student in the Earth sciences, providing funds for supplies and travel expenses in support of thesis research work. Named after a geologist who directed the New Mexico Bureau of Mines and Mineral Resources for many years.

**Cecil Rhodes Amis Memorial Scholarship** — benefits an undergraduate student. Cecil Rhodes Amis was a member of the Committee of 1908.
rower Fund – who also Socorro, established this o benefit a chemistry preferably a junior.

M. and Jean K. Burand ow Burand was a 1953 te in mining engineering, ssed away in 2001. Mrs. d lives in Albuquerque. nd benefits an graduate student in good ic standing in any major.

illiam and Mabelle er Scholarship – Dr. r was a longtime professor sics at Tech. The fund ts an undergraduate who specific academic criteria.

es A. Delaplain – was a raduate in mining ering. His scholarship ts an entering student who specific academic criteria.

nd Bess Douglas Family fields. Named after a longtime Socorro resident.

Victor Engel Scholarship – benefits an undergraduate student.

David Federighi Scholarship – David Federighi was an honors student in math and computer science from fall 1979 through his death on Nov. 4, 1981. David Federighi’s parents set up this memorial scholarship to benefit a Native American or Hispanic upperclassman.

Golden Anniversary Endowment – Classes having their 50th reunions may contribute.

Grace Gorham Memorial – established by Thomas L. Gorham in memory of his mother, to benefit a graduate or undergraduate student in an engineering discipline.

Kelly was a petroleum engineer with a distinguished career in industry and government service for more than 40 years. He held three degrees from New Mexico School of Mines: a B.S in mining engineering in 1936; a petroleum engineering degree in 1939; and an honorary doctorate given in 1963. Together with his wife Esther, Kelly founded and led Elk Oil of Roswell. He later served on the Tech Board of Regents. The Kellys established two scholarships. One benefits an entering undergraduate at Tech who is a graduate of a New Mexico high school and is pursuing a degree in petroleum engineering, geology, or geophysics. The other benefits a graduate student who had an outstanding oil or gas recovery project of interest to New Mexico producers in the previous year.

Kruppenbach-Harrison
longtime geology professor and Vice President of Tech who died in 1992, is an undergraduate who meets specific academic criteria.

**Mann Scholarship** – Mrs. , a resident of Albuquerque, established this scholarship to benefit a graduate of Albuquerque Public Schools.

**Mary Robison Markwell Scholarship Fund** – Established by Robert and Kathy Mill, Socorro in memory of Markwell’s mother, this scholarship benefits an undergraduate in the medical program.

**All and Elizabeth Miller Scholarship Fund** – M. Pat, a 1961 graduate in petroleum engineering, established this fund in memory of her parents, to benefit an upperclassman who meets specific academic criteria.

**Rockhound Scholarship** – Benefits a sophomore, junior, or senior Earth Science major who is a New Mexico resident.


**Ron Roman Scholarship** – Ron Roman received two degrees in metallurgical engineering from Tech: a bachelor’s degree in 1963 and a master’s degree in 1965. The scholarship benefits an upperclass (junior or senior) major in materials or metallurgical engineering.

**Harold Runnels Memorial Scholarship** – Harold Runnels was a U.S. Congressman who submitted proposals for the names of features to the United States Board on Geographic Names, the official agency responsible for naming features. Most of the features are on Deception Island, the site of an active volcano called Mt. Erebus, where Kyle has conducted research over 30 years. The proposals have been accepted and should appear on maps which are not in production.

The names Kyle proposed were for many of his past graduate students, who have done work in Antarctica and who now work in geologically related fields. In addition, other geologists have named a feature after Kyle.
Grassham. The name was suggested by one other than Kyle) was decided because another feature already named “Wright.” Names with Tech-related names are:

**Crags**, 77° 37' S, 166° 45' W

**Hill**, 78° 14' S, 162° 43' E, named Wright-Grassham (88, geoscience);

**Ell Peak**, 77° 29' S, 167° 05' E, after David A. Caldwell (86, geology);

**Elk Head**, 78° 38' S, 164° 09' E, after Nelia Dunbar (86, geology; 89, Ph.D., chemistry);

**Bluff**, 77° 38' S, 166° 34' W, after Richard Esser (96, MS, chemistry);

**Na Bluff**, 77° 38' S, 166° 34' W

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**New Website!**

Have you visited New Mexico Tech’s website recently? There’s a new look at [www.nmt.edu](http://www.nmt.edu)! For the first time, Tech has a permanent webmaster, and Joy Wheeler of Information Systems Division (ISD) has created the new website. Kathy Hedges, your *Gold Pan* editor, is working with her as content manager.

Like all webs, it’s a work-in-progress. Changes and improvements are constantly being made. One project in the works is a web portal, which will allow each alumnus, student, and staff member to set his or her own personal portal into Tech. Keep watching our page for updates! If you have suggestions, please email them to jwheeler@admin.nmt.edu.

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“Smart” Rehab Device for Walking-Impaired

Thompson Sarkodie-Gyan, an associate professor of mechanical engineering at New Mexico Tech, has developed a computer-controlled apparatus that promises to get walking-impaired patients back on their feet faster and more effectively than currently employed, labor-intensive rehabilitation programs.

The “smart gait-emulator,” as Sarkodie-Gyan calls his latest invention, uses computer technology to process impulses received from a patient’s good leg. It then interprets and mirrors the signals to impose a natural walking stride onto the bad leg. The prototype of the smart
The Altamirano Apartments (left) echo the roof outline of traditional Tech buildings, like the Gym (left below).

Altamirano offers students a chance to live on campus, in one- or four-bedroom apartments, each share a living room and kitchen. They will be officially named after state Senator Benjamin D. Altamirano in a dedication ceremony on April

Student Services Center is in the planning stages. House Admission, cement, Financial Aid, Student Affairs, Student Life, the Cashier’s Student Accounts, and
lumni Association
two awards, one for
nguished Service (to
son who need not be
m) and one for
nguished
evement (to an alum).

Tech who influenced your
learning, career, and life?
Nominate that person for
the Distinguished
Teaching Award. Email
Dr. Mark Cal, mcal@nmt.edu
with the reasons you think

see http://infobhost.nmt.edu/
mainpage/alumni/dist.html
For Distinguished Teach
recipients, see http://
infobhost.nmt.edu/mainpage/
faculty/dist.html

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ave a cookbook with
favorite New Mexican
ocorro recipes. As a
s, we will send you a
le of packets of chile
. Send your check,
out to New Mexico

Chile Verde
(Green Chile Sauce)
1 tablespoon shortening
½ cup chopped onion
2 tablespoons flour
1 cup chopped green chile
(canned or frozen chile can
be used)
1 cup water
¼ teaspoon garlic powder

2. Sauté the chopped onion in shortening. Add flour and cook for 1 minute.
3. Add all remaining ingredients and simmer for 20 minutes. NOTE: 1 cup chicken broth or 2 cups tomatoes with liquid can be substituted for the water.

“This recipe is delicious cooked ground or cubed...
Problem of Education in New Mexico,” was closely followed by the audience which greatly appreciated the strength and beauty of the thoughts and language of this scholarly address. Prof. Hadley was at his best in graceful and forceful delivery.

Rev. Thomas Harwood, president of the trustees, delivered the diplomas to the graduates, concluding the ceremony with a short address which deeply interested the audience, which frequently interrupted him with applause. The exercises were interspersed with musical selections by a quartette (sic) composed of Messrs. Browne, Smith, Mitten, and Willoughby.

The degree of bachelor of science was conferred upon Mr. Leo R. A. Suppan. Mr. Suppan is a graduate of the St. Louis High School, The St. Louis College of engineering, the Missouri School of Mines, and the Missouri School of Mines and Metallurgy. He is a young man of about 35 years of age, and has had an interesting career. Born in Germany, after passing through the public schools, he entered the Real Schule of Hamburg, where he laid the foundation for good scientific education. It should be well to explain that these schools correspond to the American college course in science, the last mentioned being a school of architecture.

He then worked for five years in the Hartz Mountains. After serving a required term in the German army he came to the United States in 1883 and has worked for eight years in the mines of California, Montana, Nevada, Idaho, and Colorado. He spent two years in the Missouri School of Mines, and acquitted himself...
engineering consultant just prior to retirement. He taught several ASM MEI courses on NDT and failure analysis. He also worked as volunteer at Boston Museum of Science for about 2.5 years after retirement. Jim and Pat have tentative plans to relocate back to Southwest.

**1970s**

**Dennis Umshler** (74, BS, geology; 76; MS, geochemistry) won a national title in the discus throw at the USATF Masters Track & Field Championships in Orono, Maine. Umshler was at the top of his age group, with a throw of 166 feet, 11 inches.

**Stephen K. Falkowski** (78, MS, geology) writes, “After working for Shell Oil as a senior minerals geologist for 14 years, I took an early retirement. I moved to the opportunity to use the geology, chemistry, and other science training I’ve had and put it together with the real world experiences I’ve had over the years. Any alumni that have the same thing and have sage advice to offer are welcome to contact me at mlebaron@alltel.net.”

**Michael Thompson** (83, B metallurgical engr.) is married to the former **Aimee Pelletier**, BS, mining engr.) They have children, Gail Hope, 6, and Rachel Joy, 2. Michael and A work in the oil industry and in Houston.

**Sean Hogan** (89, BS, environmental engr.) was recently the subject of a feature story in the T or C Herald. Shortly after graduating from Tech, Hogan moved to the San Francisco area, where he reconnected with an earlier interest of his: painting.
David, who has bachelor’s and master’s in industrial engineering at MSU, is an industrial engineer for IKG Industries, and is a computer instructor for USA. They live in Columbia, Tenn.

Tonander (92, BS, chemical engr.; 93, MS, mineral has been elected as vice president of the New Mexico Chapter of the American Institute of Professional Geologists). Tonander works for Dr. Miller, and Associates), a New Mexico-based civil and environmental engineering firm, its Las Cruces office. His responsibilities with the firm include environmental development, remediation design and entation, and environmental and engineering support and review.

James W. Perea (93, BS, electrical engr.) writes, “I continue to work in Albuquerque at Science Applications International Corporation (SAIC), where I am one of two deputy program managers managing the Rapid Test Support Contract with the Air Force Operational Test and Evaluation Center. I continue to support New Mexico Tech by chairing the Electrical Engineering Advisory Board with Dr. Ron Thomas. In May 2002, I graduated from the University of Phoenix, with a Master of Business Administration. My wife, Rachel, and I also moved from Los Lunas to Albuquerque, thus reducing our commute. We live in the Four Hills area with our two kids, Micah, 6, and Katrina, almost 2.” Friends may contact James at james.w.perea@saic.com.

Dr. David Skaar (94, BS, biology; 94, BS, mathematics) writes, “I (finally) finished my Ph.D. in biochemistry/genetics at Duke University in September 2002. My thesis was primarily about mRNA transcription and how transcription and processing may be coupled by the CTD of RNA polymerase II. I am now a postdoc at the Duke Center..."
Longtime New Mexico Tech physics professor Giovanni "Ross" Lomanitz died on Jan. 1, 2003 in Honolulu, Hawaii following surgery for a brain cancer which was diagnosed three weeks prior to his death.

Lomanitz, who taught at the research university in Socorro from 1962 until his retirement in 1991, was widely regarded by New Mexico Tech students and faculty alike as a top-notch...

Dr. Charlotte Rowe (81, BS, geology; 00, Ph.D. geophysics) writes, "I’ve left Madison, Wisconsin, where I was a postdoctoral research associate, then a research scientist, and am now employed as a postdoc at Los Alamos National Laboratory. I have been an associate editor for the Bulletin of the Seismological Society of America since January 2001. I’m currently living in Santa Fe. It’s nice to be back home in New Mexico again."

Alicia Dawn Alexander (01, BS, environmental engr.) was married to Francis Jude Martinez (01, BS, electrical engr.) on June 22, 2002, at St. Teresa de Avila Catholic Church in Grants. Francis is an electrical engineer for Los Alamos National Laboratory.

Theo Ward (93, BS, physics), "In August 2002, I have resided since No more traveling, but I use with our daughters and Noeli; and a lot of vacation engineering; and a lot of soccer and tennis. I like to get in touch with “Techies.” Please send me an email at mindspring.com."

Marjorie Murrell (Miller) Murrell (97, BS, English engr.) writes, "I've left Madison, Wisconsin, where I was a postdoctoral research associate, then a research scientist, and am now employed as a postdoc at Los Alamos National Laboratory. I have been an associate editor for the Bulletin of the Seismological Society of America since January 2001. I'm currently living in Santa Fe. It's nice to be back home in New Mexico again."

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Standard
Ray rose through the mining industry to various executive positions. From 1949 to 1960, he worked for Kennecott Copper Corp. in Arizona and Utah; then he became manager and director...

...magnetic separation of ores, which later played a crucial role in the development of the atomic bomb.

During World War II, Lomanitz's research studies were temporarily disrupted as he was called to serve his country in the army, rising to the rank of major.

On the onset of what would be known in our nation's history as "the McCarthy era," Lomanitz — as Oppenheimer would be — was targeted as a communist heretic during the wave of communist hysteria sweeping the United States.

In 1959, Lomanitz was called to testify before then-Congressman Richard M. Nixon before the Un-American Activities Committee, during which he proudly asserted his loyalty to the United States, but also to his hearted person — one of the best professors we have had," said Jean A. Eilek, professor of astrophysics at Tech.

Barry Sabol (79, BGS; 80, MS, physics), a physics lab associate at New Mexico Tech and former student of Lomanitz, considered Ross Lomanitz one of his mentors during his undergraduate and graduate days at Tech.

"Ross was always very mathematically oriented, working out almost everything from scratch on the blackboard," Sabol said. "This was perfect for me as a student, and I followed him every inch of the way, regularly asking for clarification and never failing to receive an illuminating response."

Lomanitz is survived by his widow, Josephine Stewart-Lomanitz of Pahoa, Hawaii, and his son, Terrence K. Lomanitz of Pahoa. He is also survived by his daughter, Eileen Lomanitz of Pahoa, and his brother, Dr. Alan Lomanitz of Pahoa. Lomanitz is also survived by his granddaughter, Jennifer Lomanitz of Pahoa.
Robert D. Updyke, Class of 1930, passed away on Oct. 1

Richard McAlexander, age 74, passed away on Aug. 6, 2002 at Socorro General Hospital. He was born on May 8, 1928, to Gerald E. and Vivian P. (Lombard) McAlexander in Holly, Colo. He served as a corporal in the United States Army. He attended Lamar Junior College in Colorado, where he was a member of the Lamar Fire Department. He then attended Western State College in Gunnison, Colo. Richard worked as a firefighter in Socorro and attended New Mexico School of Technology. He was a wonderful representative of our school.”

Richard Ewing Imperato, age 67, passed away on Nov. 16, 2002, from heart failure. She was a resident of Scotch Plains, N.J. Born in Santa Fe, Eth Ewing Imperato graduated from New Mexico Tech in 1970 with a bachelor’s degree in biology. That year, she married fellow student Eugene Imperato S, metallurgical engr.; 70, ceramics engineering).

David N. Stone, age 53, of Santa Fe, died on Oct. 21, 2002. He was a 1970 graduate of New Mexico Tech, with a bachelor's degree in chemistry. David was a 25-year employee of the New Mexico State Engineer Department. He was the assistant softball coach under Melvin Perez for the Santa Fe High School Demonettes. He loved golf, bowling, baseball, and other sports. David was a loving brother and faithful friend who will be missed by all. He is survived by his brothers Donald, Robert, Joe Stone, and many other close relatives and friends.