
2007: ENERGY

Energy Production and Use: Benefits, Risks, & Costs

This year, the NMAS will focus on the important topic of energy. EVERY energy source uses resources, presents risks, has costs in production and in the effects on our society and our environment. It is important to become energy-educated as a society in order to make the best informed decisions about our future energy sources and needs. Look for fun facts sprinkled throughout this year's newsletters and watch for information about our annual late-fall symposium. This year's theme will be "Energy Production and Use: Benefits, Risks, and Costs."

2006 - NMAS Symposium was GREAT!

The 2006 KNME-TV - NMAS "Science Cafe," held on December 2, 2006 in celebration of Benjamin Franklin's 300th birthday was a different type of event for NMAS...and a resounding (and harmonius) success!

Approximately 200 people attended the two performances to hear New Mexico musician *Mayling Garcia* play Franklin's instrument, the glass armonica, followed by a fun and informative description of the science of music by acoustic scientist, and 2006 NMAS President, Dave Thomas. Each performance ended with hands-on "instruments" for audience experimentation. If you missed this event...you missed a unique experience!

We thank KNME TV, Sandia/Lockheed, NM Tech and the New Mexico Museum of Natural History and Science for financial contributions to the special 2006 NMAS Science Cafe

THANK YOU Sandia/Lockheed

Sandia/Lockheed has contributed funds in the amount of \$2,500 for the New Mexico Junior Academy of Science. These funds helped NMAS send this year's winner to the national meeting

See Page 6 for more information on the meeting.

NMAS Names Outstanding

New Mexico Teachers for 2006

At the NMAS Annual Banquet in December 2006, these teachers were honored as NMAS Outstanding Teacher Awardees.

Leshia Harenberg

Eldorado High School,

Albuquerque

11 and 12 grade science

Tommy Hincley

Barranca Mesa Elementary School

Los Alamos

5th grade

See Page 5 for more information on these outstanding teachers!

Time to Pay Membership Dues!

If you have already paid your dues for 2007, you have been "grandfathered-in" at the old dues of \$20.00 THANK YOU. If you have not yet paid your dues, please fill out the form on page 7 and send the new dues in the amount of \$25. This is the first increase in NMAS dues in over a decade...and still provides a great bargain.



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NMAAS MEMBER NEWS...

In Memorium

Larry Stutts, Past-President, NMAAS.

Lawrence "Larry" Ray Stutts was born to Gilbert and Faye Bone Stutts on 7 September 1927 in Las Vegas, N.M. and died in Oklahoma City, Oklahoma on 28 November 2006. He was raised in San Jon, New Mexico and Satanta, Kansas. He had lived in Clovis, NM since 1963.

Larry received his B.S. in Biological Science from OPSU in Goodwell, Okla. and his M.S. in Ecology from Pittsburg, Kan.. He was a science educator for 29 years, teaching in Colorado, Texas, and New Mexico. He served as the NMAAS Secretary from 1977 - 1981, Vice President in 1983, Preseident-Elect in 1984, and President of the NMAAS in 1985. For the past five years he has served as a valuable member of the NMAAS Awards Committee responsible for selecting the Outstanding Teacher Awardees.

He was an active member of the NMAAS and a member of the National Education Association, the Clovis Education Association, A.A.A.S., and Clovis Lodge #40 A.F. & A.M..

Larry is survived by his wife Shirley and two sons, Thane and Kyle. He was preceded in death by a son, Wade. A memorial service was held on 1 December 2006 at the Church of Christ in Clovis.

I met Larry in 1963 when he was the "new" science teacher at Marshall Junior High School in Clovis and we remained close friends even though we worked at different schools. Larry enjoyed working with young people, and his sense of humor was evident in his classroom. He was also known to tease his students as part of his method of getting them to learn about science.

Larry continued his own education. He took in-service Earth Science classes from Clay T Smith at NM Tech, and he did a field study of Oasis State Park for his master's thesis which was published in the NMAAS Journal.

Larry will be remembered and missed.

*Harry Pomeroy,
Chairman, NMAAS Awards Committee*

NMAAS Newsletter
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NEW MEXICO ACADEMY OF SCIENCE

Founded in 1902 to foster scientific research and scientific cooperation, increase public awareness of the role of science in human progress and human welfare, and promote science education in New Mexico.

The Academy has been in continuous existence since 1915, and became formally associated with the New Mexico Museum of Natural History and Science in 1995.

Affiliated with the American Association for the Advancement of Science (AAAS)

Member of the National Association of the Academies of Science (NAAS)

President's Message - April 2007

Glenn Kuswa

As NMAAS moves into the first few years of its second century of service, we are seeking input from members on how we can best serve the cause of science in New Mexico. The NMAAS officers and board support continuation of the existing programs, some of which are highlighted in the inset below. We are also planning resources that can carry us into an even more productive future, and we are particularly eager to receive suggestions from our members and readers on ways to expand and improve our services.

After many years of holding our annual membership dues at \$20, the board decided to increase the fee to \$25. The cash raised from dues is modest in comparison with funding for specific programs received from the State of New Mexico and industrial contributors, but the dues are not restricted to specific programs and offer flexibility for providing expanded services.

We strongly support continuing programs such as the State-funded outreach program that brings active practitioners of science into classrooms statewide, and the Junior Academy of Science that give experiences in presenting work to panels of experts and that typically sends winners to the national American Association for the Advancement of Science annual competition. (During the past several years we can thank Intel for generously supporting this effort.) Every year we honor two outstanding science teachers, and the New Mexico chapter of the American Chemical Society has supported cash awards for these individuals. We typically publish an annual topical journal that will be familiar to members who receive copies.

One new initiative from the past year is the formation of an endowment fund that will help guarantee the continuity of our efforts and that provides a way for members to help perpetuate good science in New Mexico. We have set aside a separate sub-account that will be placed in an endowment management program as soon as it reaches \$5000; it currently contains about \$3000... Members or their estates are invited to make cash or other contributions that in most situations are tax-deductible. NMAAS is registered as a non-profit 501-C3 organization with the Internal Revenue service.

Many readers of this news letter are members of other technical society chapters in New Mexico. We would like to provide some space in future NMAAS news letters for announcements that may interest our members, such as up-coming events or activities of interest to the scientific communities. This may also include capsule descriptions of organizations.

Some other suggestions that may promote exchanges of scientific thoughts include short descriptions of some of our member's activities and interests that we might publish in this news letter and/or post on our net site. We have established, but not yet attempted to sell, modestly priced "commercial" memberships that would entitle technical enterprises—or those who provide services to the technical community---to publish informational advertisements in this news note and on the NMAAS internet site. (Please visit the NMAAS site.) More suggestions include featuring materials on ethics in science, occasional looks at the financial picture of science in the state, how science news gets reported in New Mexico, updates on the frictions between creationists and those who subscribe to more conventional and vetted viewpoints, etc. We solicit suggestions and more activity from the membership at large, including thoughts on how NMAAS can improve science futures in New Mexico, and contributions to this news letter from memers. **Please participate;** call or write me or Jayne Aubele, Editor, NMAAS News Letter.

By the way, please encourage you friends and colleagues who support science and technology to become members of NMAAS.

Glenn Kuswa gkuswa@comcast.net (505) 844 6015

(Please use NMAAS in the title to distinguish your message from spam that I might otherwise delete.)

Report on the Annual meeting of the AAAS/NAAS/AJAS

by Lynn Brandvold, Director, NMJAS

David Hsi, past president of NMAS and past president of the National Academies of Science (NAAS), was recently honored by being invited to attend the "Breakfast with Scientists" at the San Francisco meeting of the American Junior Academy of Science (AJAS) held in conjunction with the American Association for the Advancement of Science (AAAS) and NAAS. The AJAS is an honor program sponsored and organized by NAAS, which recognizes high school students for outstanding scientific research at an annual convention for research oriented students throughout the United States.

The American Junior Academy of Science (AJAS) mission is to introduce, encourage and accelerate pre-college students into the world of science, engineering and technology by enabling and integrating their participation into the activities of the annual meeting of AAAS. One of the premier events at the annual AJAS meeting is the "Breakfast with Scientists" at which outstanding scientists from throughout the nation are invited to have breakfast with the students and engage them in one on one discussions of their research and future plans. David sat at a table with New Mexico Junior Academy of Science (NMJAS) student delegates Kelly Goodgame of San Jon, NM and Samantha Stutz of Los Alamos, NM (now a student at the University of Wyoming). Others at the table included Dr. Alice Gast, president of Lehigh University and Dr. Bassam Shakhshiri, the founder of "Science is Fun."

Dr. Hsi represented NMAS at the NAAS delegates meeting and the AAAS Fellows Forum. He also attended the AJAS sessions at which student from all of the state Junior Academies of Science present posters of their award winning research to NAAS and AAAS meeting attendees.

Our New Mexico Junior Academy of Science delegates were selected as NMJAS paper competition winners at the 2006 New Mexico State Science and Engineering Fair. Samantha Stutz and Kelly Goodgame ably represented New Mexico and gave great presentations on their winning science research at this year's AAAS/NAAS/AJAS national meeting.

DID YOU KNOW?

Can you name all eleven sources of energy used in the 21st Century? They are:

Biomass (including wood)	Petroleum
Coal	Propane
Geothermal	Solar
Hydrogen	Uranium
Hydropower	Wind
Natural Gas	

Now the question is: in order to make informed choices about energy development and use, how much do you know about each of these sources benefits, risks, and costs?

A Brief History of the National Association of Academies of Science and the NMAS Connection

*by David Hsi, past president NMAS
past president NAAS,
NMAS Director Emeritus*

The American Association for the Advancement of Science (AAAS) was founded in 1848. In 1927, the AAAS authorized a standing committee and annual conference on state academies of science. In 1969, the name of the Academy Conference was changed to the Association of Academies of Science and in 1979 to the National Association of Academies of Science (NAAS). The governing body of the NAAS is composed of two representatives from each of the 44 member academies (one of which is the New Mexico Academy of Science). In turn, the NAAS names two delegates to the AAAS Council.

The NAAS, financed by allotments from its member academies, keeps all the academies informed of each other's activities and assists new academies to organize. The NAAS has a strong interest in the works of junior and collegiate academies of science and in encouraging young people interested in science.

The American Junior Academy of Science (AJAS) is a program agency of NAAS. The AJAS is composed of directors and representatives from all existing Junior Academies of Science of member academies. The AJAS Director is a member of the NAAS Board of Directors and he/she plans in advance and conducts joint annual meetings with the President and President-Elect of the NAAS.

At each AAAS Annual Meeting, the member academies send student representatives from their junior academies to make written and oral presentations of scientific papers to the senior scientists from all over the world as part of the program of the AJAS and NAAS.

Active participation of the New Mexico Academy of Science (NMAS) with AAAS and NAAS possibly began in 1960 when the name of the former NM Science Teachers Association was changed to the New Mexico Academy of Science. The late Dr. Lora Magnum Shields served as the first NMAS representative to NAAS from 1960 to 1984. She was the first New Mexican to serve as the president of the NAAS in 1976. I succeeded Dr. Shields as NMAS representative to NAAS from 1984 to 2004, and I became the second New Mexican to serve as the NAAS president in 1994.

It is important that NMAS and NMJAS continue our close affiliation with the NAAS, AJAS and AAAS so that we shall continue receiving national attention through these internationally recognized and respected scientific organizations.

The 2006 NMAAS Outstanding Science Teacher Awards

by Harry F. Pomeroy, Jr.
Awards Chairman, NMAAS

Tommy Hinkleley

Leshā Harenberg

I am from New Mexico, and went to Highland High School and UNM. I have a Bachelor's degree in Biology, and am currently working on my Masters in Education with an emphasis on Science. I have been teaching at Eldorado High School for nine years, and I truly love my career. In the past I have taught Biology and Chemistry, and I currently teach Anatomy and Physiology and AP Biology. I am married to a very supportive and wonderful man, and we have a two-year old daughter and are expecting the last addition to our family this Spring.

When I first started teaching, there was an editorial in the paper about a student who had done a science fair project presenting all the negative aspects of dihydrogen monoxide. He was in Montana, and he was successful in getting virtually all of his middle school class to vote to ban water. Right then I decided that the most important thing I could ever hope to teach my students was to be able to think for themselves. I want them to be able to look at the articles they read in the paper and actually think about whether or not they agree with them, I want them to look up information for themselves if they have questions, and I want them to learn to incorporate their background knowledge when learning new information. I do present an anti-dihydrogen monoxide article to my AP biology students at the beginning of the year, and each year, even though they've all taken chemistry, multiple students are appalled that this chemical is allowed to exist in the United States. After this assignment though, they really do start to think about the way science is represented in the media, and in a year's time, they even learn to analyze scientific journals on their own.

The other key aspect of who I am as a teacher has to do with my relationship with my students. They know that I care about them, that I will make time for them, and that they can talk to me. They know that I will treat them with respect, and that I will be fair. I also hope that I am able to pass on a little bit of my passion for biology. Having a job where each day is different, and in which I get to keep up on new information in a field that I love is really amazing! It is wonderful to get to know teenagers, especially as they are figuring out who they are. My students are incredible, and I enjoy getting to interact with them each day. Contrary to popular belief, teens can be thoughtful, giving, organized, and fun, and I feel lucky to get to see so much of that on a daily basis.

DID YOU KNOW?

If you are a preK-12 or homeschool teacher and you want to teach about energy, check out the National Energy Education Development Project (NEED). For more information, visit www.need.org

AND for more information about some of the sources of energy, check out the following websites:

American Coal Foundation: www.teachcoal.org
 American Council on Renewable Energy: www.acore.org
 American Gas Association: www.aga.org
 American Petroleum Institute: www.classroom-energy.org
 American Solar Energy Society: www.ases.org
 American Wind Energy Association: www.awea.org
 Geothermal Education Office: www.geothermal.marin.org
 National Hydrogen Association: www.hydrogenus.com
 National Hydropower Association: www.hydro.org
 Nuclear Energy Institute: www.nei.org

I am a native New Mexican. I was born in Albuquerque and moved to Los Alamos as a young child. I have lived in New Mexico my entire life except for one year when I lived in Germany and three semesters when I ventured to Texas for college. Unsure of what I wanted to do, I originally went to college to pursue a degree in counseling. That lasted three semesters and then I changed my major to accounting. I have my bachelor's in accounting and a master's degree in management. I spent the first part of my professional life crunching numbers for an engineering group at Los Alamos National Laboratory.

I realized that accounting was not my life calling, and decided to quit my job at the laboratory and go back to school. A big part of my decision had to do with the passing of my grandparents. Although they were not teachers within the academic community, they both had taught a craft. My grandfather taught woodcarving for many years and my grandmother had taught china painting. At their funerals, I discovered that they had done something important with their lives and had affected many people. I decided that I wanted to try to make a difference in children's lives, and I have not once regretted my decision.

I applied for and was accepted into UNM's Teacher Intern program. I remember my first year teaching during the program. Another intern and I were given a class to teach for the year. I got assigned to a charter school that among other things, believed in building their own curriculum. The school had no set curriculum. Luckily for me, it did own numerous Foss kits.

It was during the second summer of my intern program that I met Dr. Quincy Spurlin. I had a 7 am Science methods class with her. Although I still believe that people should not have to be functioning at 7 am in the morning, I loved Dr. Spurlin's class and her method of teaching science. The class was a new adventure everyday. Each day the class got to play! We played, but in amongst the playing, we learned. We learned science concepts and got to experience fun, interesting methods of teaching those concepts. I want to thank Dr. Spurlin for instilling in me the "fun" of learning science.

After completing my licensure program, I worked for a year as a Special Ed. instructional assistant. This was a very valuable year for me as I was able to observe a variety of teaching styles. Then I received my first real teaching job, as a 3rd grade teacher at Barranca Mesa Elementary School, where I am still teaching today. After 5 years of teaching 3rd grade, I got promoted to 5th grade. This is my fourth year of teaching 5th grade.

I am very fortunate that the school in which I teach enables me to specialize in teaching science. As a 5th grade teacher, and earlier when I was teaching 3rd grade, I have been able to "team" teach. Currently I teach science to all the 5th grade students, while my team teachers are responsible for teaching math and language arts. This has allowed me to focus on one curriculum area, and hopefully design meaningful, fun lessons.

I have found that I thoroughly enjoy teaching science. My goal in teaching science is to try and make it meaningful and fun for my students. I want students to discover the concepts on their own, instead of my telling them. I do not consider myself to be a science expert. I just work to discover ways to make the concepts understandable for my students. Occasionally they will know some obscure fact to which I am totally oblivious. For example, "earthworms need to eat decaying food so that they can "slurp" it up", or at least that is what I was recently told. I guess that I could do some research into earthworms, but then again, I'm OK with the students being the experts.

Join the NMAS Endowment Campaign and Support Science and Science Education in New Mexico

The NMAS has instituted an endowment for the long-term support of the many science education programs of the Academy. If you have wanted to provide enduring aid to the important work of the Academy in supporting science and science education throughout New Mexico, this is the perfect opportunity for your "end-of-year" tax deductible contributions.

The NMAS is a 501(c)(3) non-profit and all donations to the endowment are tax deductible. We ask all NMAS members to remember the NMAS Endowment Fund when planning their charitable giving. We especially encourage our Life Members to contribute now as Founding Contributors to the NMAS Endowment in order to help build the endowment rapidly, and to remember the NMAS in your long-range financial planning. THANK YOU.

Don't forget...If you work at Sandia National Laboratory and wish to donate to the NMAS, you can also select NMAS through the **United Way Campaign**.

Founding Contributors to the New Mexico Academy of Science Endowment as of April, 2007

<i>Marshall Berman</i>	<i>Arthur Guenther</i>
<i>Maureen Romine</i>	<i>Debra Thrall</i>
<i>Dave Thomas</i>	<i>Barry Clark</i>
<i>Mona and Harry Pomeroy</i>	<i>David Hsi</i>
<i>Marvin Moss</i>	<i>Malva Knoll</i>
<i>Lynn Brandvold</i>	<i>David Steinhilber</i>
<i>Jayne Aubele</i>	<i>Aija and Philip Thacher</i>
<i>Larry Crumpler</i>	<i>William Chambers</i>
<i>Angela Wandinger-Ness</i>	<i>Richard Nygren</i>
<i>Glenn Kuswa</i>	<i>Sidney Stone</i>
<i>Robert Amai</i>	<i>David Duggan</i>
<i>Stirling Colgate</i>	<i>Gary and Yolanda King</i>

Special Contributions:

By Mona and Harry Pomeroy

in memorium for Larry Stutts, Past-President, NMAS

A special Thank You to the following for sending two separate personal contributions to the fund:

Mona and Harry Pomeroy

David Duggan

Please add your name here - send a contribution.

Cosmic Carnival A Free Family Science Event April 21, 2007 in Albuquerque

Cosmic Carnival will be presented to the public in conjunction with Fiestas de Albuquerque, on Saturday, April 21, 2007, from 12 noon to 5:00 p.m. in Tiguex Park, Old Town Albuquerque.

Cosmic Carnival will feature hands-on activities and demonstrations, safe telescope observing of the Sun, rocket launches, a variety of science and astronomy exhibitors from across New Mexico, educational give-aways, and free raffles. Raffle prizes include admission passes to area museums and accessories donated by Orion Telescopes & Binoculars. The raffle grand prize is a Meade ETX 80AT computerized telescope, provided through Cosmic Carnival's association with Meade Instruments Corporation and Astronomy Magazine. Raffle entrants will also be entered in a national drawing to win a Meade LX200R telescope, valued at \$3600.

Students from Amy Biehl High School in Albuquerque will stage a human solar system scaled model in the park during Cosmic Carnival. A partial list of exhibitors includes: Albuquerque Rocket Society, Anderson-Abruzzo Albuquerque International Balloon Museum, Balloon Explorium, Explora!, Intel International Science and Engineering Fair 2007, LodeStar Astronomy Center, NASA JPL Solar System Ambassador Program, National Atomic Museum, National Solar Observatory, New Mexico Museum of Natural History & Science, New Mexico Science Writers Association, Rio Grande Astronomical Society, Sandia National Laboratories, The Albuquerque Astronomical Society, The Earthrise Institute, and the Very Large Array (National Radio Astronomy Observatory).

Cosmic Carnival continues with an evening event featuring telescope observing of the night sky, from 7:00 to 10:00 p.m. at the UNM Campus Observatory, on Yale Boulevard just north of Lomas Boulevard, in Albuquerque.

Cosmic Carnival is presented through a partnership of the City of Albuquerque's Fiestas de Albuquerque, the Museums on Mountain Road, and the University of New Mexico's Department of Physics and Astronomy. For information and directions, visit www.cosmiccarnival.org or call 505-261-0040.

Polar-Palooza is coming in October!

What is it? Polar-Palooza will be a fun, informative "roadshow" for the general public, families, teachers, and students featuring Arctic and Antarctic scientists, writers, and artists.

When and Where? At the New Mexico Museum of Natural History and Science in ABQ throughout October, 2007.

The event is designed to showcase the International Polar Year (IPY), a major scientific effort modeled after the original International Geophysical Year (IGY) of the 1950s. IPY research includes all of the sciences (geology, biology, climatology, oceanography, glaciology, etc). Important global connections with climate change and sea level are expected to be part of the volume of new information. IPY extends from March 2007 to March 2009 (in case you're wondering, the polar research seasons at each pole are 18 months and overlap, thus the two-year "year"). Don't miss Polar-Palooza coming in October.

Membership Form New Mexico Academy of Science

New Membership [] Renewal 07 [] Membership Year other than 07 [] Publications [] Donation []

Date _____ Name _____

Employer/Firm/Affiliation _____ Title _____

Primary Interest (geology, biology, chemistry, physics, science education, etc.) _____

Mailing Address: _____

Phone _____ FAX _____ email _____

Check if your address is different from that on the mailing label of this newsletter []

NMAS PUBLICATIONS

New Mexico Journal of Science <small>Set of all available pre-1992 back issues</small>	\$10 _____
From Sundaggers to Space Exploration <small>(NMAS/Sigma Xi, 1986)</small>	\$4 _____
Dinosaurs of New Mexico <small>(NMAS Journal v. 32, 1992)</small>	\$10 _____
The Importance of Agricultural Science in New Mexico's Economy <small>(NMAS Journal v. 34, 1994)</small>	\$10 _____
Astronomy in New Mexico: Past, Present and Future <small>(NMAS Journal v. 35, 1995)</small>	\$10 _____
New Mexico's Natural Heritage: Biological Diversity in the Land of Enchantment <small>(NMAS Journal v. 36, 1996)</small>	\$10 _____
Environmental Management: Current and Future Needs <small>(NMAS Journal v. 37, 1997)</small>	\$10 _____
Water Resource Issues in New Mexico <small>(NMAS Journal v. 38, 1998)</small>	\$10 _____
Ensuring Sustainable Development of Arid Lands Through Time <small>(NMAS Journal v. 39, 1999)</small>	\$10 _____
NMAS Journal v. 40, 2000	\$10 _____
NMAS Journal v. 41, 2001	\$10 _____
NMAS Journal v. 42, 2002 (Centennial CD)	\$10 _____
NMAS Journal v. 43, 2003	\$10 _____
NEW! Science on the Border <small>(NMAS Journal v. 44, 2006)</small>	\$10 _____
Subtotal:	\$ _____
+ Handling:	\$ 2.00
TOTAL:	\$ _____

Membership Class (check one)

- [] Member \$25/year
- [] Student \$15/year
- [] Subscription \$30/year
(Libraries only)
- [] Contribution to the \$ _____
NMAS Endowment

Membership Subtotal: \$ _____
 Donation Subtotal: \$ _____
 Publication subtotal: \$ _____

Total: \$ _____

Membership includes 3 newsletters. and occasional special Journal of Science volumes (sent to life members and members who have paid their annual dues during the volume's year of publication).

Send check for membership and/or publications and donations, payable to NMAS, to:
New Mexico Academy of Science
1801 Mountain Rd. NW
Albuquerque, NM 87104

Please...consider making a donation to the NMAS Endowment to support our science education programs!

NMAS Newsletter
Volume 93 no. 1
April, 2007

Please Renew your NMAS Membership for 2007

It's that time again....If you have not yet paid your 2007 dues, please fill in the membership form on page 7 and send it with your membership dues in the amount of \$25 (it is still just \$15 for students).

THANK YOU

Newsletter to Profile Current and Past NMAS Members

NMAS enters its 105th year of service to New Mexico science and science education in 2007.

Some famous New Mexico scientists from the past have been NMAS members, but NMAS also seeks a broad membership, ranging from those with an active interest in science, some of whom do not have formal science credentials, to those who practice science or science education as professionals.

Beginning in our next newsletter, we would like to highlight one or two current NMAS members, and we will also dip into the NMAS archives to highlight some very eminent past members. If you know a current or past NMAS member who should be profiled, please send a few paragraphs about him or her to the NMAS Newsletter Editor, Jayne Aubele, at jayne.aubele@state.nm.us



**NEW MEXICO
ACADEMY
OF SCIENCE**

Newsletter

1801 Mountain Rd NW
Albuquerque, NM 87104