

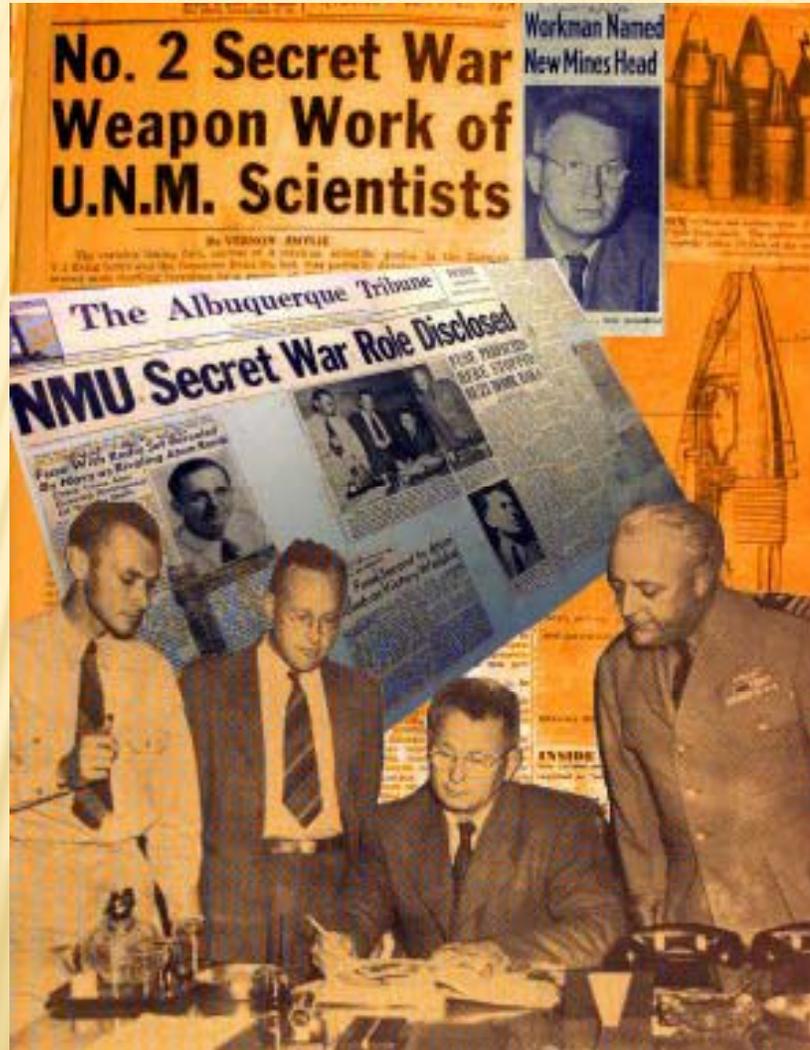


**Research  
&  
Economic Development**

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Dr. Van D. Romero  
Vice President

# Proximity Fuse



# Enhanced Novel Explosives (ENE) in a Scaled Urban Environment

## Program Objectives

- Evaluate blast overpressures and damage from an ENE in an urban setting
- Design and construct a scaled urban environment
- Use data from TSWG sponsored research at DRDC Canada to develop a detailed computational fluid dynamics computer model
- Perform calibration tests at EMRTC
- Combine all results into a comprehensive data base
- Deliver a software tool that will predict damage in an urban environment from ENE's



T=11.203 ms



T=5.845 ms

# GEORGE WASHINGTON BRIDGE

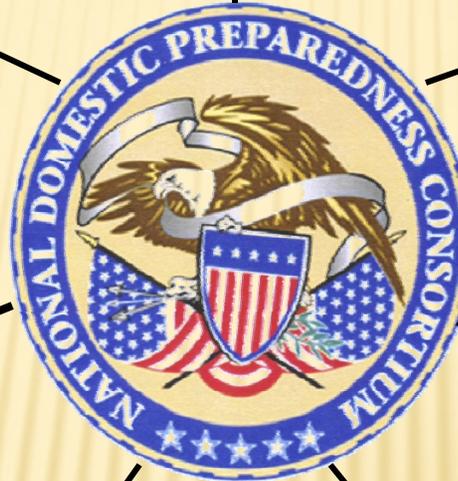


# New Mexico Tech EMRTC

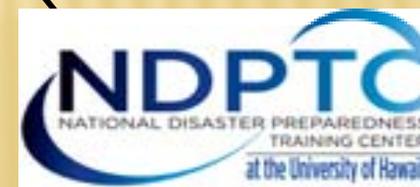
Center for  
Domestic  
Preparedness



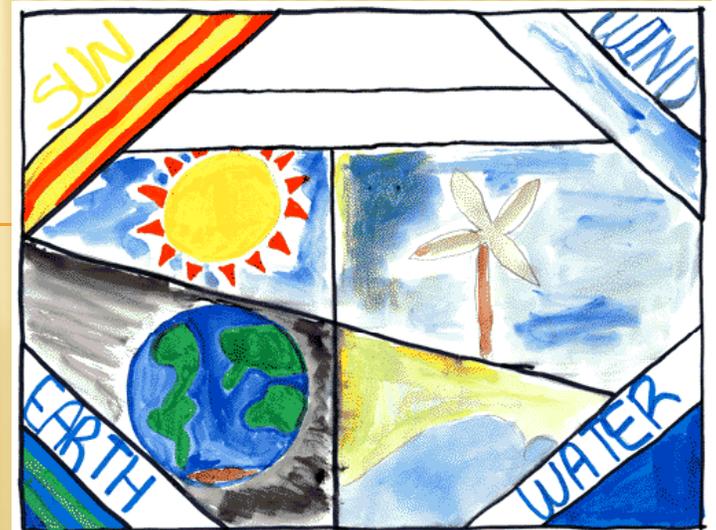
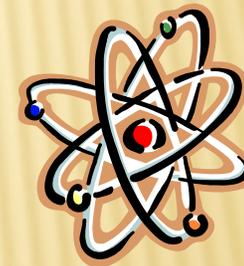
FEMA



Transportation  
Technology  
Center, Inc.

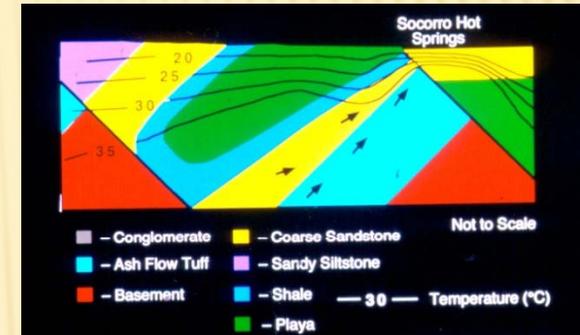


# BUILDING THE BRIDGE FROM FOSSIL TO RENEWABLE ENERGY

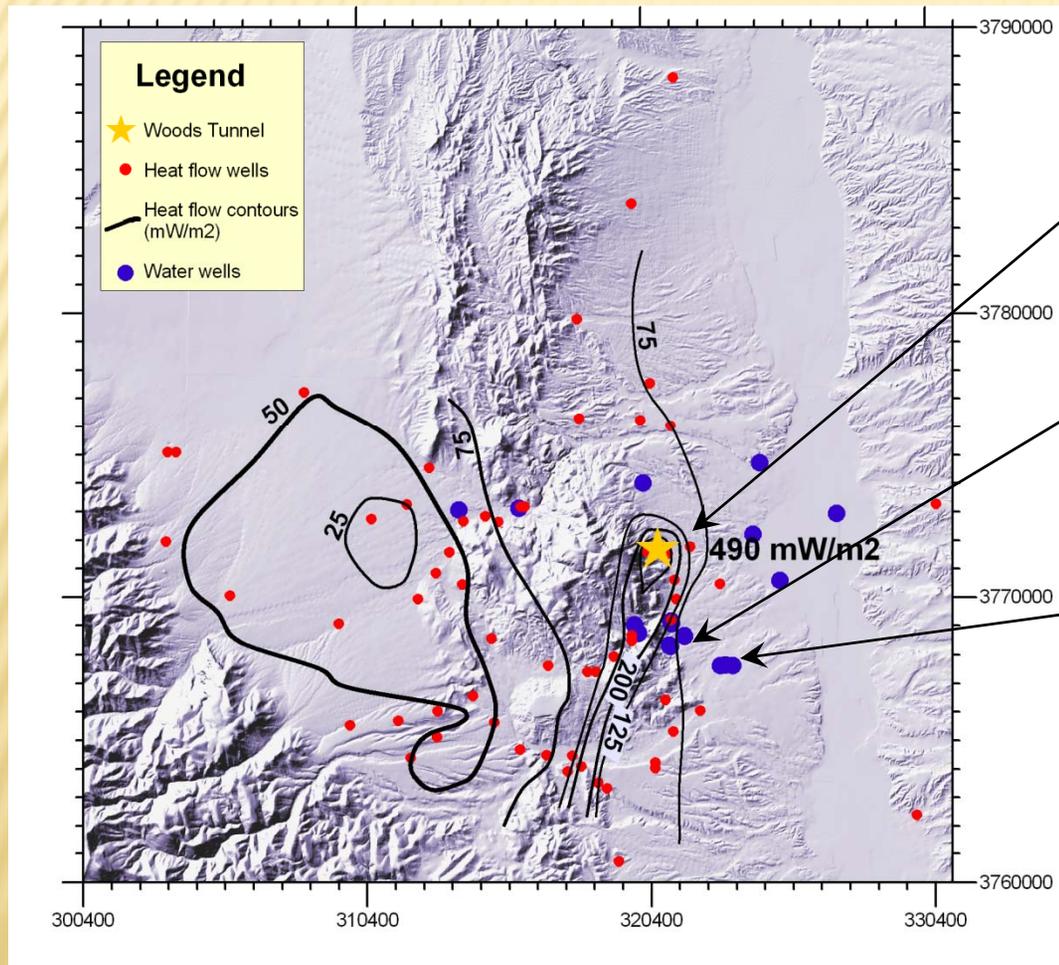


# Socorro Geothermal Resources

Upwelling groundwater from depths of up to 4 km from the La Jencia Basin to the west is the source of Socorro geothermal waters.



- Exploration slim well drilled at the back of **Woods Tunnel** in 1966 indicated temperatures = 42.2°C
- **Blue Canyon Galleries** produced 33.2°C water; quartz geothermometer indicates source temps = 92°C
- **Socorro and Sedio Springs** are moderately warm = 32°C and their geochemistry suggests dilution by near surface waters.



Regional hydrothermal models suggest sufficient permeability to accommodate geothermal development.

# New Mexico Bureau of Mines and Mineral Resources

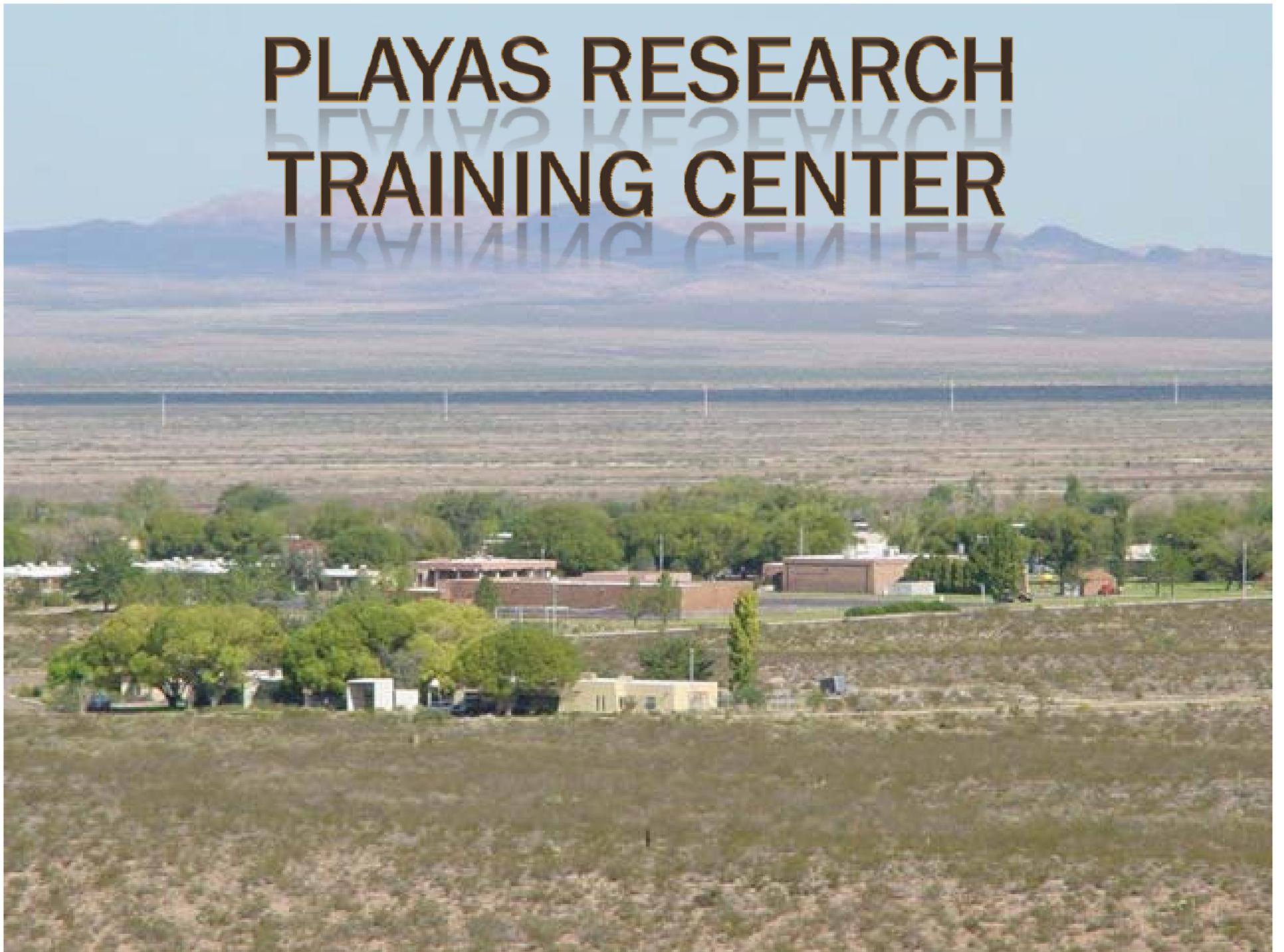


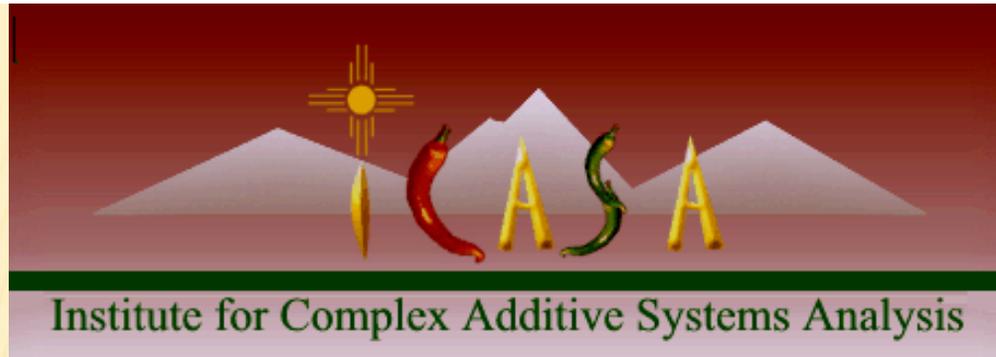
# Geophysical Research Center

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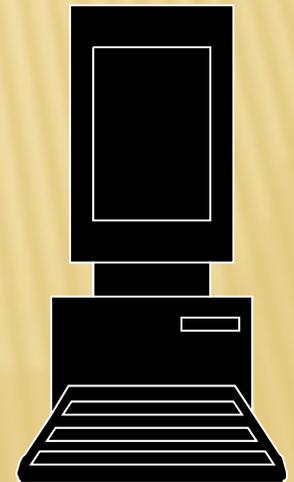
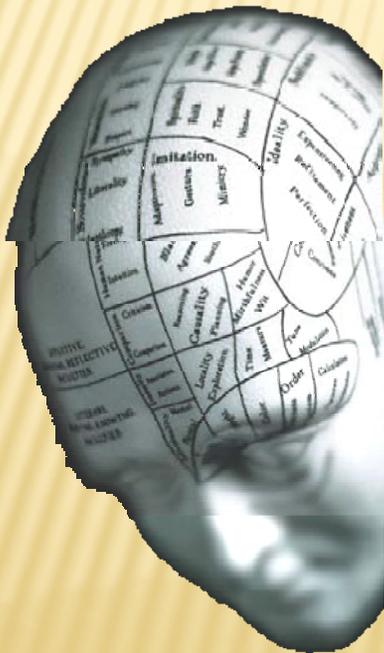
# PLAYAS RESEARCH TRAINING CENTER





# “Protecting our nation’s infrastructure”

Focus on management, computer science and engineering



# Astrophysics

National Radio Astronomy Observatory (NRAO) & National Optical Astronomy Observatory (NOAO)



Magdalena Ridge Observatory- (MRO)



Long Wavelength Demonstrator Array- (LWA)

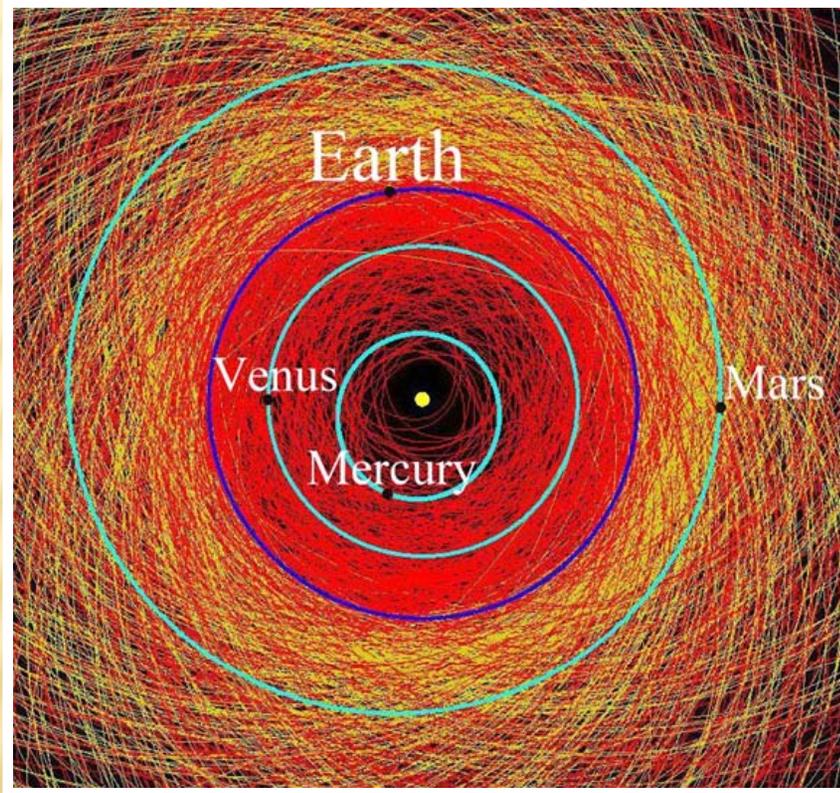


Very Large Array- (VLA)



Magdalena Ridge Observatory Interferometer (MROI)

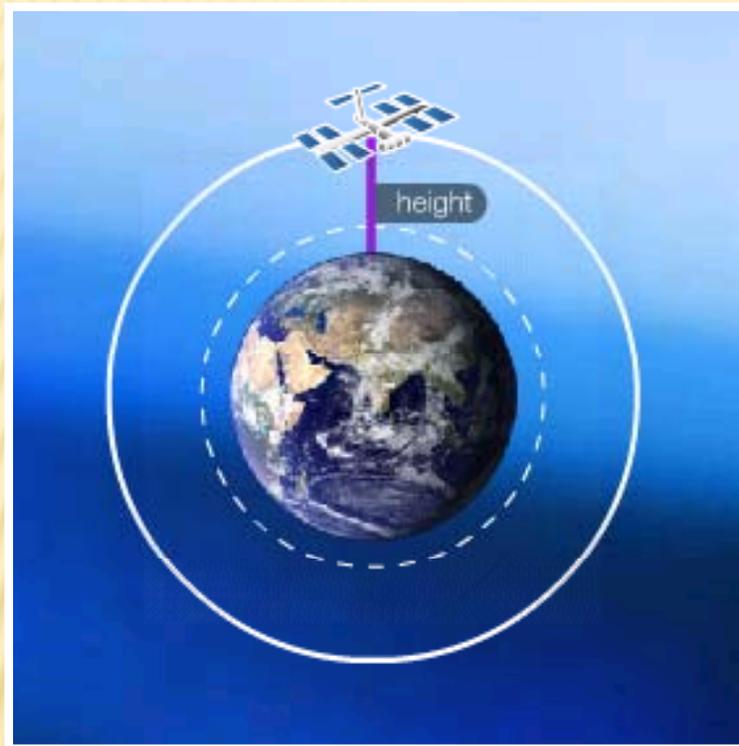
**Congress directed NASA to discover 90% of all near-Earth asteroids 140m and larger by 2028.**



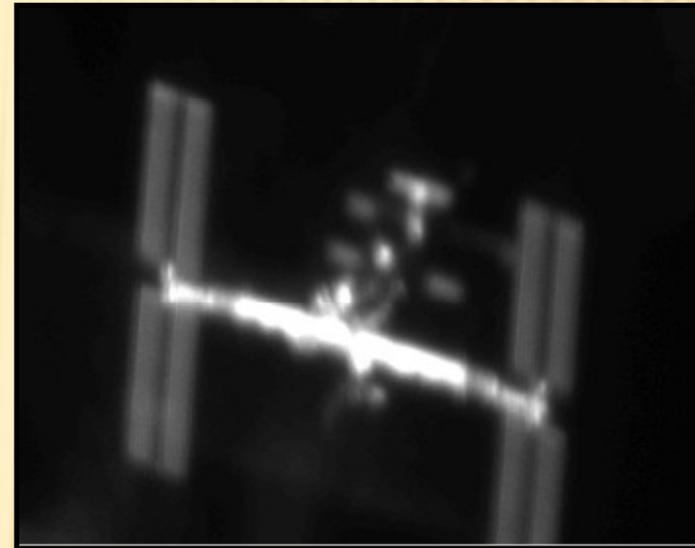
**The MRO 2.4m telescope is capable of observing hazardous asteroids as small as 140m, and even as small as 1 m if passing close enough to the Earth.**

**KNOWN ORBITS OF NEAS (JANUARY 2000). MORE THAN 70% OF SMALLER ASTEROIDS REMAIN UNDISCOVERED.**

# TRACKING LOW-EARTH ORBIT (LEO) OBJECTS



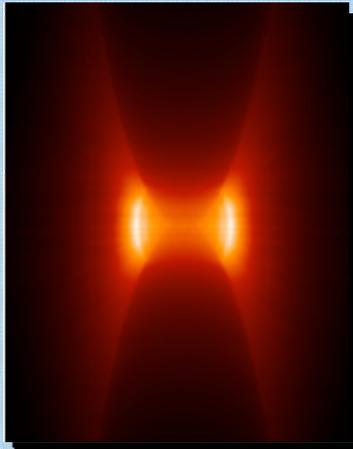
**International Space Station**



**Observation of the ISS (at ~124 miles above the Earth) taken with the 2.4m telescope on July 14, 2007**



# Active Galactic Nuclei



Model of an edge-on view of an Active Galactic Nucleus. (Scharfman et al., 2005, *Astronomy and Astrophysics*, vol 437)

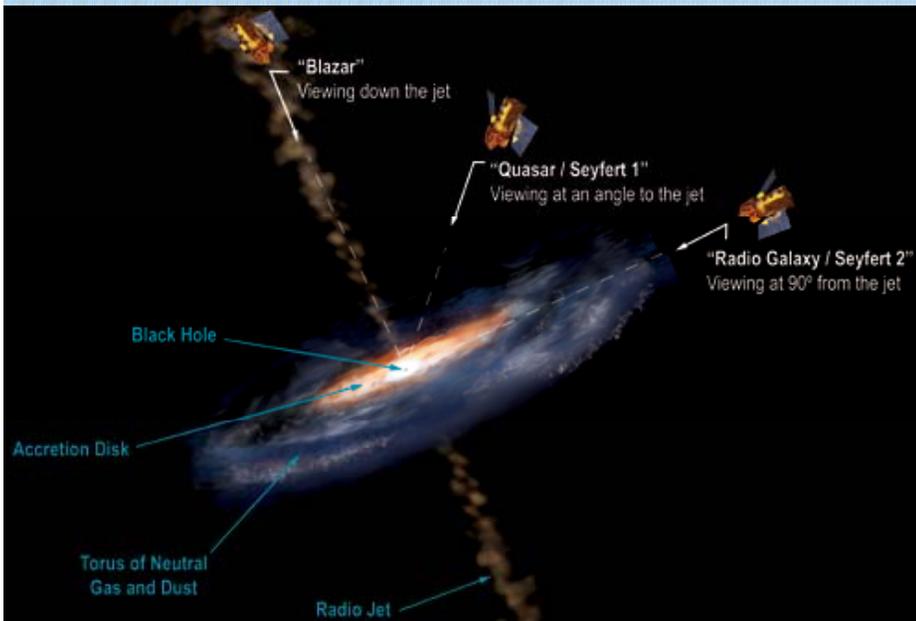


Active Galactic Nuclei Centaurus A. (VLA, Hubble)

## Swift-detected Active Black Holes in Merging Galaxies



The active galactic nuclei (circled) that were detected by the Swift BAT Hard X-ray Survey clearly show galaxies in the process of merging. These images, taken with the 2.1-meter telescope at Kitt Peak National Observatory in Arizona, show galaxy shapes that are either physically intertwined or distorted by the gravity of nearby neighbors.

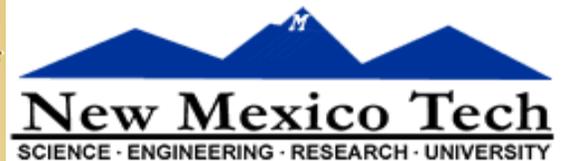
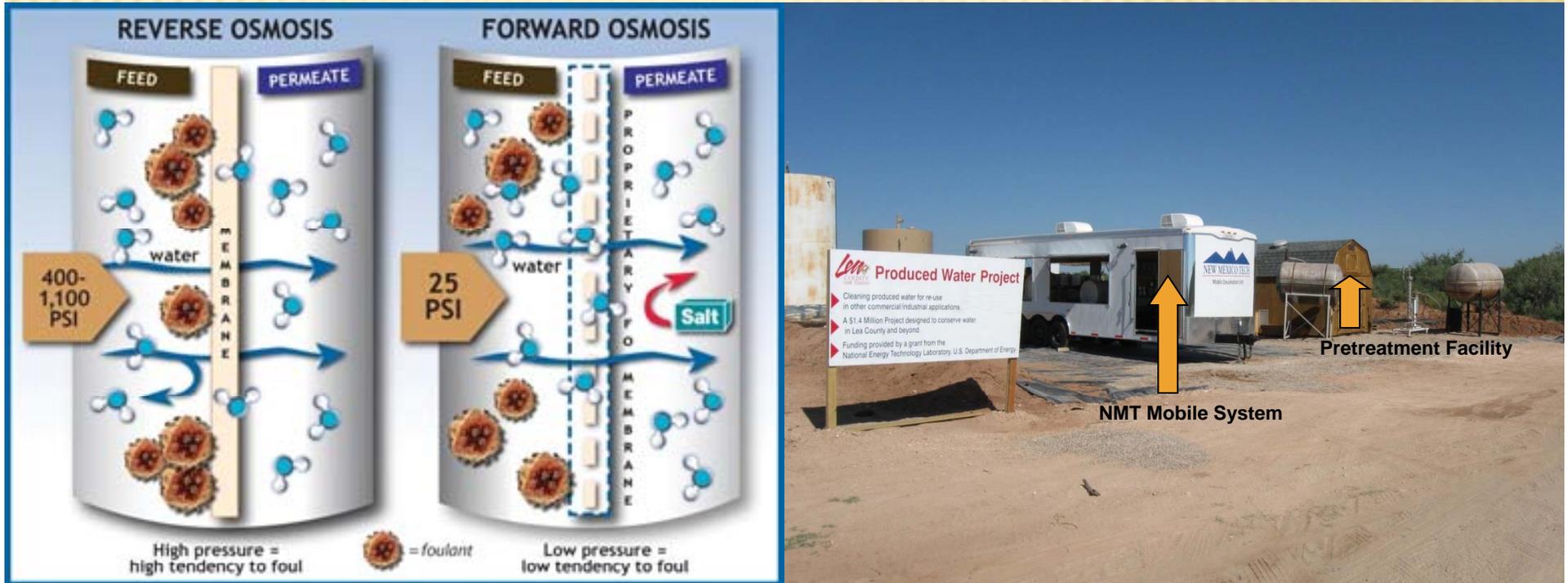


## Merging Galaxies Create Active Galactic Nuclei

Supercomputer Simulation

# Produced Water-Forward Osmosis Project

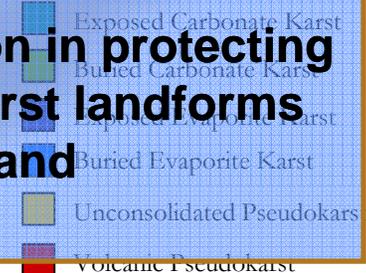
New Mexico Tech and Lea County are partnering on a ground-breaking Department of Energy grant to develop a multi-step system to desalinate, clean, and recycle produced water from the oilfields of southeastern New Mexico. Tech scientists will examine several methods of reducing the particulate matter in brackish water so it can be used for irrigation and wildlife, among other things. The proposal includes two distinct processes: pre-treatment and treatment. Pre-treatment will remove oil and grease, while the treatment process will remove other elements, like salt, chloride, and calcium. Grant funding will be used to establishing a vocational training program at New Mexico Junior College in Hobbs. Tech will work with the junior college instructors to develop a curriculum to train the technicians who can install, operate and maintain the systems once they become operational.



## U.S. Karst Map

### NCKRI Mandates:

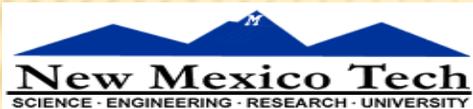
- Further the science of speleology
- Centralize and standardize speleological information
- Foster interdisciplinary cooperation in cave and karst research programs
- Promote public education
- Promote national and international cooperation in protecting the environment for the benefit of cave and karst landforms
- Promote and develop environmentally sound and sustainable resource management practices



# Novel Metalworking Technology (NMT) Initiative

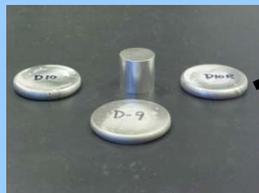
- Is a collaboration between Universities, the Army Research Laboratory, and US Industry that will support manufacturing growth throughout the US by providing access to state-of-the-art modeling capability to design and advanced materials processing techniques for lightweight metals, composites, hybrid materials, advanced steels, and new alloys.
- The NMT Initiative is unique because of the capability to produce materials and parts at a large size scale (up to several tons) at one time, permitting rapid technology transfer to industry.

## Partner Institutions



## Success Stories:

Scale up of Nanostructured Trimodal Al-alloy to Large Product Form



1 in. dia. x 1 in. ht., forged to true strain of ~ 1.3.

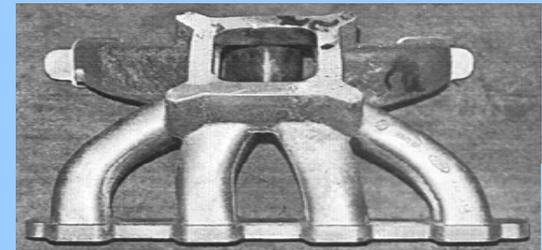


XC1570: 1.5" thick x 25" dia. Representing one of the largest Products containing a majority of nanosize grains (~ 50 nm).

Industry Partnership- Reduced Scrap Rate and Lead Times for Seal Rings for Track Driven Vehicles



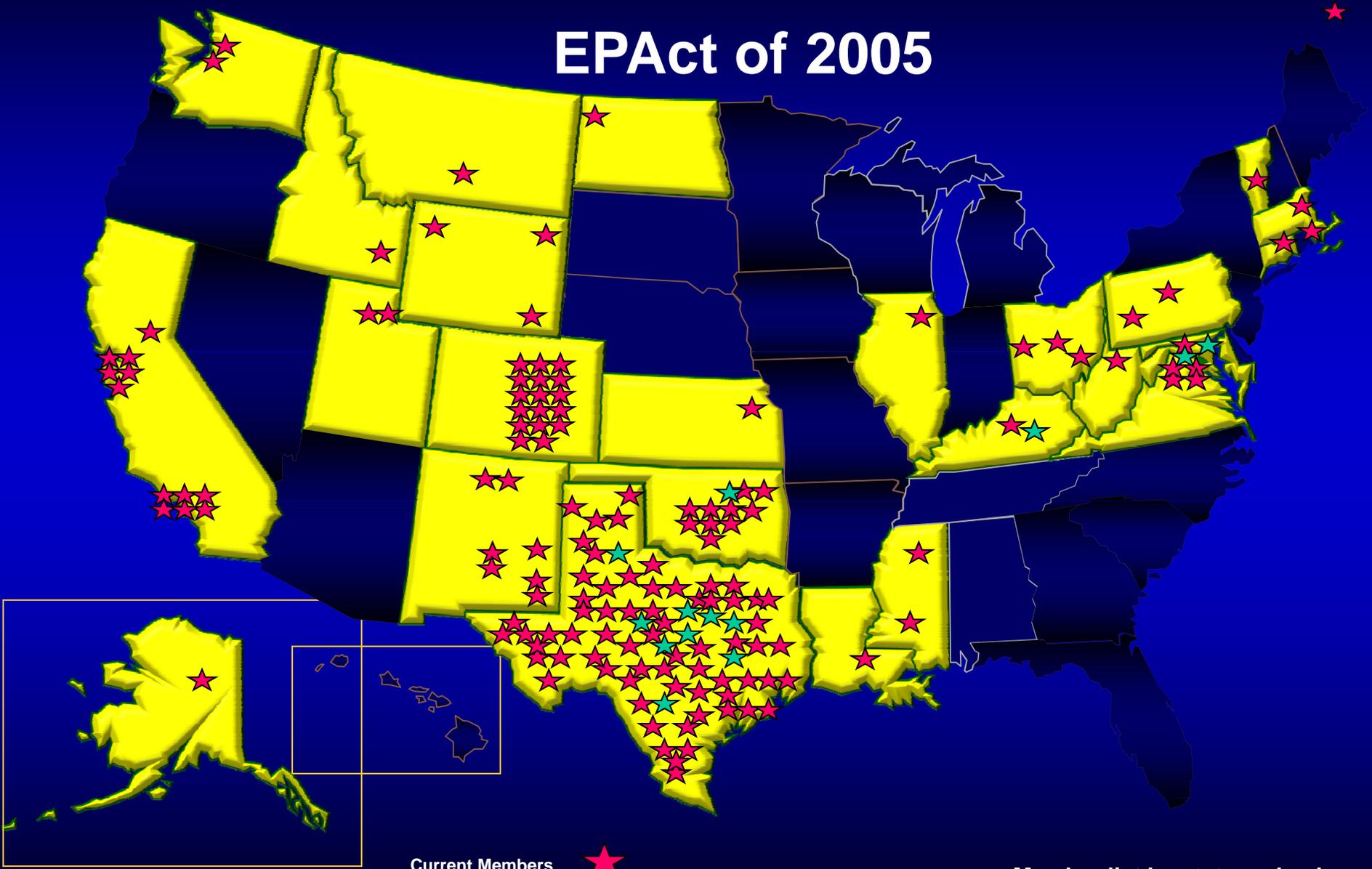
Cast Aluminum-Fly Ash Composites and Syntactic foams for Automotive Applications



Intake Manifold cast from A356-10 vol% fly ash composite.

# Oil & Gas Consortium

## EPAct of 2005



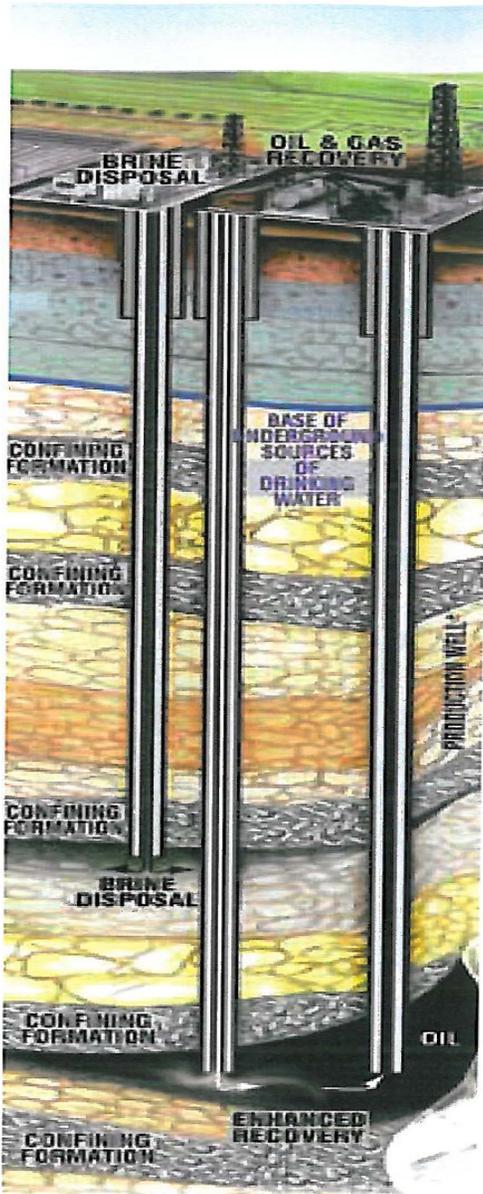
Current Members 

Pending Members 

Member list by state on back

Updated 5/18/10

# Petroleum Recovery Research Center (PRRC) -Sequestration of CO<sub>2</sub> in a Depleted Oil Reservoir



This project employs advanced reservoir modeling and computer simulation tools, laboratory tests, field measurements and monitoring efforts to understand, predict and monitor the coupled geomechanical and hydrogeologic processes associated with down-hole injection of CO<sub>2</sub> at a micro-pilot scale field experiment (pump-in /pump-out scheme) into a pressure-depleted oil reservoir.

Ultimately, the models and data will be used to predict storage capacity as well as, physical and chemical changes in reservoir properties, such as fluid composition, porosity, permeability, and phase relations. In addition, a better understanding of CO<sub>2</sub> reservoir interactions resulting from this project will improve industrial EOR flooding practices. These studies also provide a method to quantify the impact of reservoir depth, pressure and temperature, host rock permeability and porosity distributions, and mineral and fluid compositions on the migration, distribution and fate of CO<sub>2</sub> in the reservoir.

## Principal Investigators:



Dave Martin & Associates, Inc.

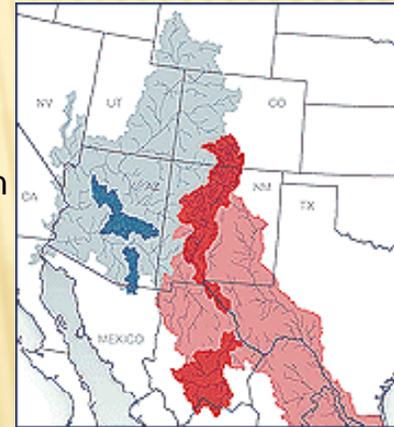
Pecos Petroleum Engineering, Inc.

# Hydrology

## Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA)-

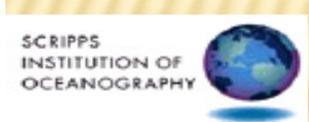
The vision of SAHRA is to develop an integrated, multidisciplinary understanding of the hydrology of semi-arid regions, and to build partnerships with a broad spectrum of stakeholders (both public agencies and private organizations) so that this understanding is effectively applied to the management of water resources and to the rational implementation of public policy.

SAHRA's purpose is to inform and support such water professionals by conducting stakeholder-relevant research, education, and knowledge transfer activities.

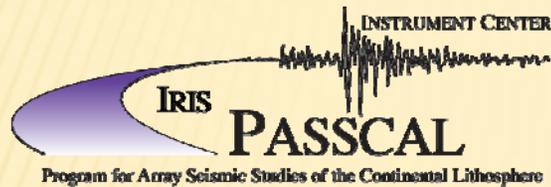


SAHRA's geographical focus. Dark blue signifies the San Pedro, Salt/Verde basins and Red signifies the Rio Grande, Rio Conchos basins.

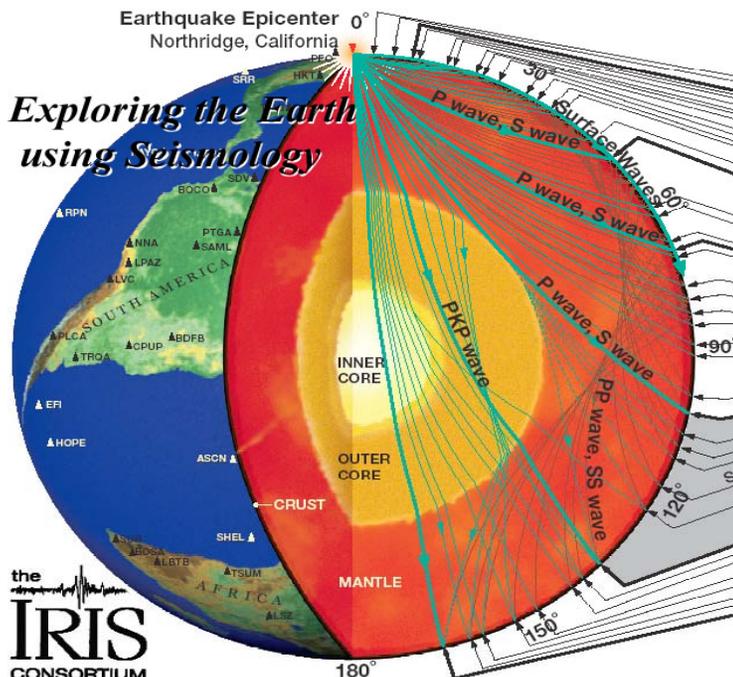
## SAHRA's Partner Institutions



# IRIS Consortium and the PASSCAL Programs at New Mexico Tech



The Incorporated Research Institutions for Seismology (IRIS) Program for Array Seismic Studies of the Continental Lithosphere (PASSCAL) Instrument Center is a consortium of over 100 U.S. universities dedicated to the operation of science facilities in support of cutting-edge seismological research. The IRIS PASSCAL programs contribute to scholarly research and education through the EarthScope program which gains support from the National Science Foundation (NSF) to deploy numerous seismic, GPS, and other instruments to study the processes that cause earthquakes and volcanic eruptions.



The EarthScope program is an exploration of the 4-dimensional structure of the Earth. The USArray is an integral part of the EarthScope program, that consists of four interrelated parts that together make up the 15-year program to place a dense network of permanent and portable seismographs across the U.S.

The four parts of the USArray are:

1. Transportable Array
2. Flexible Array
3. Reference Network
4. Magnetotelluric Facility

**BIG SCIENCE**  
**at a small school**



THE BIG SCIENCE ISSUE

# POPULAR SCIENCE

THE FUTURE NOW

## SUPERSIZED

THE 10 MOST AWE-INSPIRING PROJECTS IN THE UNIVERSE

THE ULTIMATE TELESCOPE LASER PARTICLE ACCELERATOR ORBITAL LAB COLLIDER UNDERSEA OBSERVATORY AND MUCH MORE

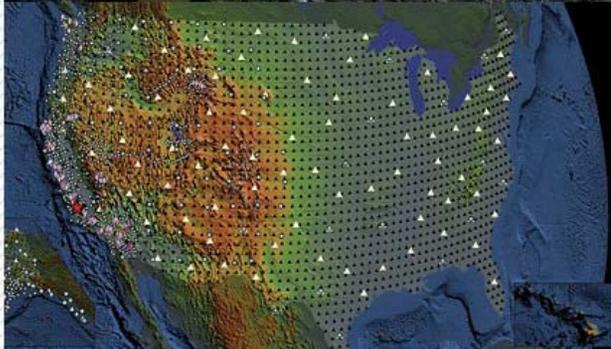
BEHEMOTHS OF THE HIGH SEAS



5 You'll Live to 150 [438](#) How to Brew Beer in a Week [432](#)  
Best Lab Equipment [427](#) High-Tech Casino Heists [427](#)



Annual budget: **\$25,000,000**  
Construction cost: **\$197,000,000**  
Staff: **110**  
Physical size: **3.8 million square miles**  
Scientific utility: **10**  
WIIFY: **10**  
Wow factor: **10**



Annual budget: **\$15,000,000**  
Construction cost: **\$300,000,000**  
Staff: **280**  
Physical size: **27 antennas on 39 miles of track**  
Scientific utility: **8**  
WIIFY: **3**  
Wow factor: **6**

# CLASS OF 2011

Abraham, Allan	Caudill, Aaron	Gonzales, Mary	Massey, Lee	Romero, Michael	Trujillo, Amanda
Acree, Edward	Chester, Sean	Gonzalez, Stephanie	Mattax, Heather	Romero, Felicia	Tu, Lee
Adegoke, Ronald	Clements, Justin	Griego, David	Mayfield, Marcus	Runnels, Brandon	Turner, Devon
Aitken, William	Clements, Rachel	Gudmunson, Anthony	McCarthy, Nicholas	Saddoris, Joel	Vaive, Genevieve
Alexander, Ronald	Conrad, David	Gutierrez, Felycia	McCarty-Glenn, Mica	Sanchez, Julio	Valdez, Kendra
Ammons, Johnathan	Cook, Ryan	Haines, Timothy	McCaslin, Kelsey	Schade, Alaina	Valdivia, Alejandro
Aragon, Joshua	Cooper, Benjamin	Hall, Thomas	McCready, Kyle	Schafer, Nicholas	Vann, Julie
Arrossa, Ashley	Coppi, Thomas	Hatch, Catherina	Mcloud, John	Seifert, Eli	Vickers, Daniel
Barnette, Travis	Crowning, Kevin	Hayden, Kathryn	Meisner, Daniel	Shattuck, Michael	Walterscheid, Wesley
Barraza, Alexyia	D Arcy, Sara	Hebert, Jason	Mendoza, Joshua	Shea, Ryan	Warton, Jessica
Beaudry, Royce	Dahl, Chuck	Higgins, Matthew	Menk, Sean	Shimura, Tom	Wernicke, James
Behles, Jessica	Davidson, Scott	Hinderer, Bryce	Mercado, Jose	Shull, Samuel	Wharton, Jaimie
Bencomo, Penny	Davidson, Justine	Hoff, Daniel	Mireles, Kathryn	Sieler, Waylin	Wild, Micah
Benner, Eric	Dawson, Aaron	Holt, Garrett	Moeller, Marcus	Sills, Dana	Wilkinson, Taylor
Berlier, Douglas	DelCurto, Ryan	Hopkins, Jacob	Moser, Shichun	Silva, Austin	Yates, Elyce
Berry, Marco	Dickens, Peter	Horpedahl, Weston	Nation, Brendan	Skinner, Christopher	Total Graduates= 200
Billy, Alicia	Dixon, William	Jackson, Ryan	O Keefe, Matthew	Smith, Jacob	Total Degrees Awarded
Birch, Rebecca	Dozal, Carla	Jackson, Kenna	Ortega, Amber	Smith, James	= 205
Blatchford, Roger	Easley, Janice	Jaffa, Kyle	Ortiz, Paul	Smith, Patrick	
Boyer, Jason	Echeverria, Ricardo	John, Orson	OToole, Katharyn	Snell, Margaret	
Breen, David	Egert, George	Johnson, Ryan	Paiton, Dylan	Sparks, Kyle	
Breen, Daniel	Falcone, Nicholas	Kemp, Stacey	Park, David	Stanley, Sarah	
Breiner, Anna	Fallt, James	Khalsa, Niranjn	Pavlik, Richard	Stenson, John	
Brenner, Andrew	Faris, Sehin	Kilmer, Sarah	Peacock, Travis	Stewart, Nida	
Briseno, Victor	Fetman, Melissa	Leahy, Patrick	Pelletier, Cory	Stringfield, Jessica	
Brown, Corey	Finkbeiner, Bradley	Lepthien, Katrina	Plonczak, Alex	Sudan, Thomas	
Brown, Nicole	Flores, Santiago	Leyba, Lance	Posadas, Amanda	Sullivan, Brady	
Brown, Kimbra	Flores, Meliton	Lovato, Aaron	Powledge, Kevin	Swanson, Matthew	
Brown, Matthew	Franks, John	Lucero, Derek	Priestley, Holly	Tawatieu Yota, Gael	
Browning, James	Friedland, Zachary	Luders, Ian	Provencher, Nicholas	Teran Merino, Diego	
Burkhard, David	Gallegos, Anselmo	Lynch, Robyn	Quezada, Gary	Terrill, Ross	
Burton, Elizabeth	Gallegos, Andrea	Manrique, Ariana	Quiroga, Jerry	Theisen, Kate	
Bushnell, Tyler	Gansz, Jacy	Marquez, Luis	Ray, Kameron	Theodore, Roosevelt	
Butler, David	Garner, Richard	Martin, Russell	Rayas, Robert	Thomas, Whitney	
Cameron, Connor	Ghanbari, Zahra	Martin, Lee	Reiser, William	Tibbetts, Matt	
Campos, Emilio	Gibson, Cory	Martinez, Emiliano	Risley, Mason	Torres, Gavin	
Carpio, Lomeli	Gleichmann, Kyle	Martinez, Blaine	Rodeheffer, Dan	Troemner, Adam	

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Aitken, William	Clements, Rachel	Gudmunson, Anthony	McCarthy, Nicholas	Saddoris, Joel	Vaive, Genevieve
Alexander, Ronald	Conrad, David	Gutierrez, Felycia	McCarty-Glenn, Mica	Sanchez, Julio	Valdez, Kendra
Ammons, Johnathan	Cook, Ryan	Haines, Timothy	McCaslin, Kelsey	Schade, Alaina	Valdivia, Alejandro
Aragon, Joshua	Cooper, Benjamin	Hall, Thomas	McCready, Kyle	Schafer, Nicholas	Vann, Julie
Arrossa, Ashley	Coppi, Thomas	Hatch, Catherina	Mcloud, John	Seifert, Eli	Vickers, Daniel
Barnette, Travis	Crowning, Kevin	Hayden, Kathryn	Meisner, Daniel	Shattuck, Michael	Walterscheid, Wesley
Barraza, Alexyia	D Arcy, Sara	Hebert, Jason	Mendoza, Joshua	Shea, Ryan	Warton, Jessica
Beaudry, Royce	Dahl, Chuck	Higgins, Matthew	Menk, Sean	Shimura, Tom	Wernicke, James
Behles, Jessica	Davidson, Scott	Hinderer, Bryce	Mercado, Jose	Shull, Samuel	Wharton, Jaimie
Bencomo, Penny	Davidson, Justine	Hoff, Daniel	Mireles, Kathryn	Sieler, Waylin	Wild, Micah
Benner, Eric	Dawson, Aaron	Holt, Garrett	Moeller, Marcus	Sills, Dana	Wilkinson, Taylor
Berlier, Douglas	DelCurto, Ryan	Hopkins, Jacob	Moser, Shichun	Silva, Austin	Yates, Elyce
Berry, Marco	Dickens, Peter	Horpedahl, Weston	Nation, Brendan	Skinner, Christopher	Total NM Residents at graduation = 180
Billy, Alicia	Dixon, William	Jackson, Ryan	O Keefe, Matthew	Smith, Jacob	
Birch, Rebecca	Dozal, Carla	Jackson, Kenna	Ortega, Amber	Smith, James	
Blatchford, Roger	Easley, Janice	Jaffa, Kyle	Ortiz, Paul	Smith, Patrick	
Boyer, Jason	Echeverria, Ricardo	John, Orson	OToole, Katharyn	Snell, Margaret	
Breen, David	Egert, George	Johnson, Ryan	Paiton, Dylan	Sparks, Kyle	
Breen, Daniel	Falcone, Nicholas	Kemp, Stacey	Park, David	Stanley, Sarah	
Breiner, Anna	Fallt, James	Khalsa, Niranjan	Pavlik, Richard	Stenson, John	
Brenner, Andrew	Faris, Sehin	Kilmer, Sarah	Peacock, Travis	Stewart, Nida	
Briseno, Victor	Fetman, Melissa	Leahy, Patrick	Pelletier, Cory	Stringfield, Jessica	
Brown, Corey	Finkbeiner, Bradley	Lepthien, Katrina	Plonczak, Alex	Sudan, Thomas	
Brown, Nicole	Flores, Santiago	Leyba, Lance	Posadas, Amanda	Sullivan, Brady	
Brown, Kimbra	Flores, Meliton	Lovato, Aaron	Powledge, Kevin	Swanson, Matthew	
Brown, Matthew	Franks, John	Lucero, Derek	Priestley, Holly	Tawatieu Yota, Gael	
Browning, James	Friedland, Zachary	Luders, Ian	Provencher, Nicholas	Teran Merino, Diego	
Burkhard, David	Gallegos, Anselmo	Lynch, Robyn	Quezada, Gary	Terrill, Ross	
Burton, Elizabeth	Gallegos, Andrea	Manrique, Ariana	Quiroga, Jerry	Theisen, Kate	
Bushnell, Tyler	Gansz, Jacy	Marquez, Luis	Ray, Kameron	Theodore, Roosevelt	
Butler, David	Garner, Richard	Martin, Russell	Rayas, Robert	Thomas, Whitney	
Cameron, Connor	Ghanbari, Zahra	Martin, Lee	Reiser, William	Tibbetts, Matt	
Campos, Emilio	Gibson, Cory	Martinez, Emiliano	Risley, Mason	Torres, Gavin	
Carpio, Lomeli	Gleichmann, Kyle	Martinez, Blaine	Rodeheffer, Dan	Troemner, Adam	

# CLASS OF 2011

Abraham, Allan  
Acree, Edward  
**Adegoke, Ronald**  
Aitken, William  
**Alexander, Ronald**  
Ammons, Johnathan  
**Aragon, Joshua**  
**Arrossa, Ashley**  
Barnette, Travis  
**Barraza, Alexyia**  
Beaudry, Royce  
Behles, Jessica  
**Bencomo, Penny**  
Benner, Eric  
Berlier, Douglas  
**Berry, Marco**  
**Billy, Alicia**  
Birch, Rebecca  
Blatchford, Roger  
Boyer, Jason  
Breen, David  
Breen, Daniel  
Breiner, Anna  
Brenner, Andrew  
**Briseno, Victor**  
Brown, Corey  
Brown, Nicole  
Brown, Kimbra  
Brown, Matthew  
Browning, James  
Burkhard, David  
Burton, Elizabeth  
Bushnell, Tyler  
Butler, David  
Cameron, Connor  
**Campos, Emilio**  
**Carpio, Lomeli**

Caudill, Aaron  
**Chester, Sean**  
Clements, Justin  
**Clements, Rachel**  
Conrad, David  
Cook, Ryan  
Cooper, Benjamin  
Coppi, Thomas  
Crowning, Kevin  
**D Arcy, Sara**  
**Davidson, Scott**  
**Davidson, Justine**  
Dawson, Aaron  
**DelCurto, Ryan**  
Dickens, Peter  
Dixon, William  
**Dozal, Carla**  
Easley, Janice  
**Echeverria, Ricardo**  
Egert, George  
Falcone, Nicholas  
Fallt, James  
**Faris, Sehin**  
Fetman, Melissa  
Finkbeiner, Bradley  
**Flores, Santiago**  
**Flores, Meliton**  
Franks, John  
Friedland, Zachary  
**Gallegos, Anselmo**  
**Gallegos, Andrea**  
**Gansz, Jacy**  
Garner, Richard  
Ghanbari, Zahra  
**Gibson, Cory**  
**Gleichmann, Kyle**

**Gonzales, Mary**  
**Gonzalez, Stephanie**  
**Griego, David**  
**Gudmunson, Anthony**  
**Gutierrez, Felycia**  
Haines, Timothy  
Hall, Thomas  
**Hatch, Catherina**  
Hayden, Kathryn  
Hebert, Jason  
Higgins, Matthew  
Hinderer, Bryce  
Hoff, Daniel  
Holt, Garrett  
Hopkins, Jacob  
Horpedahl, Weston  
**Jackson, Ryan**  
Jackson, Kenna  
Jaffa, Kyle  
**John, Orson**  
Johnson, Ryan  
Kemp, Stacey  
Khalsa, Niranjan  
Kilmer, Sarah  
Leahy, Patrick  
Lepthien, Katrina  
**Leyba, Lance**  
**Lovato, Aaron**  
**Lucero, Derek**  
**Luders, Ian**  
Lynch, Robyn  
**Manrique, Ariana**  
**Marquez, Luis**  
Martin, Russell  
**Martin, Lee**  
**Martinez, Emiliano**  
**Martinez, Blaine**

Massey, Lee  
Mattax, Heather  
Mayfield, Marcus  
McCarthy, Nicholas  
McCarty-Glenn, Mica  
McCaslin, Kelsey  
McCready, Kyle  
Mcloud, John  
Meisner, Daniel  
**Mendoza, Joshua**  
Menk, Sean  
**Mercado, Jose**  
**Mireles, Kathryn**  
Moeller, Marcus  
Moser, Shichun  
Nation, Brendan  
O Keefe, Matthew  
**Ortega, Amber**  
**Ortiz, Paul**  
OTOole, Katharyn  
Paiton, Dylan  
Park, David  
Pavlik, Richard  
Peacock, Travis  
Pelletier, Cory  
Plonczak, Alex  
**Posadas, Amanda**  
Powledge, Kevin  
Priestley, Holly  
Provencher, Nicholas  
**Quezada, Gary**  
**Quiroga, Jerry**  
Ray, Kameron  
**Rayas, Robert**  
Reiser, William  
Risley, Mason  
Rodeheffer, Dan

**Romero, Michael**  
**Romero, Felicia**  
Runnels, Brandon  
Saddoris, Joel  
**Sanchez, Julio**  
Schade, Alaina  
Schafer, Nicholas  
Seifert, Eli  
Shattuck, Michael  
Shea, Ryan  
Shimura, Tom  
Shull, Samuel  
Sieler, Waylin  
Sills, Dana  
**Silva, Austin**  
Skinner, Christopher  
Smith, Jacob  
Smith, James  
Smith, Patrick  
**Snell, Margaret**  
Sparks, Kyle  
Stanley, Sarah  
Stenson, John  
Stewart, Nida  
Stringfield, Jessica  
Sudan, Thomas  
Sullivan, Brady  
Swanson, Matthew  
Tawatieu Yota, Gael  
Teran Merino, Diego  
Terrill, Ross  
Theisen, Kate  
Theodore, Roosevelt  
Thomas, Whitney  
Tibbetts, Matt  
**Torres, Gavin**  
Troemner, Adam

**Trujillo, Amanda**  
Tu, Lee  
Turner, Devon  
Vaive, Genevieve  
**Valdez, Kendra**  
**Valdivia, Alejandro**  
Vann, Julie  
Vickers, Daniel  
Walterscheid, Wesley  
Warton, Jessica  
Wernicke, James  
Wharton, Jaimie  
**Wild, Micah**  
Wilkinson, Taylor  
Yates, Elyce

Minority Students  
= 64 32%

# CLASS OF 2011

Abraham, Allan  
Acree, Edward  
Adegoke, Ronald  
Aitken, William  
Alexander, Ronald  
Ammons, Johnathan  
Aragon, Joshua  
**Arrossa, Ashley**  
Barnette, Travis  
**Barraza, Alexyia**  
Beaudry, Royce  
**Behles, Jessica**  
**Bencomo, Penny**  
Benner, Eric  
Berlier, Douglas  
Berry, Marco  
**Billy, Alicia**  
**Birch, Rebecca**  
Blatchford, Roger  
Boyer, Jason  
Breen, David  
Breen, Daniel  
**Breiner, Anna**  
Brenner, Andrew  
Briseno, Victor  
Brown, Corey  
**Brown, Nicole**  
**Brown, Kimbra**  
Brown, Matthew  
Browning, James  
Burkhard, David  
**Burton, Elizabeth**  
Bushnell, Tyler  
Butler, David  
Cameron, Connor  
Campos, Emilio  
**Carpio, Lomeli**

Caudill, Aaron  
Chester, Sean  
Clements, Justin  
**Clements, Rachel**  
Conrad, David  
Cook, Ryan  
Cooper, Benjamin  
Coppi, Thomas  
Crowning, Kevin  
**D Arcy, Sara**  
Dahl, Chuck  
Davidson, Scott  
**Davidson, Justine**  
Dawson, Aaron  
DelCurto, Ryan  
Dickens, Peter  
Dixon, William  
**Dozal, Carla**  
**Easley, Janice**  
Echeverria, Ricardo  
Egert, George  
Falcone, Nicholas  
Fallt, James  
**Faris, Sehin**  
**Fetman, Melissa**  
Finkbeiner, Bradley  
Flores, Santiago  
Flores, Meliton  
Franks, John  
Friedland, Zachary  
Gallegos, Anselmo  
**Gallegos, Andrea**  
**Gansz, Jacy**  
Garner, Richard  
**Ghanbari, Zahra**  
Gibson, Cory  
Gleichmann, Kyle

**Gonzales, Mary**  
**Gonzalez, Stephanie**  
Griego, David  
Gudmunson, Anthony  
**Gutierrez, Felycia**  
Haines, Timothy  
Hall, Thomas  
**Hatch, Catherina**  
**Hayden, Kathryn**  
Hebert, Jason  
Higgins, Matthew  
Hinderer, Bryce  
Hoff, Daniel  
Holt, Garrett  
Hopkins, Jacob  
Horpedahl, Weston  
Jackson, Ryan  
**Jackson, Kenna**  
Jaffa, Kyle  
John, Orson  
Johnson, Ryan  
**Kemp, Stacey**  
**Khalsa, Niranjan**  
**Kilmer, Sarah**  
Leahy, Patrick  
**Lepthien, Katrina**  
Leyba, Lance  
Lovato, Aaron  
Lucero, Derek  
Luders, Ian  
**Lynch, Robyn**  
**Manrique, Ariana**  
Marquez, Luis  
Martin, Russell  
Martin, Lee  
Martinez, Emiliano  
Martinez, Blaine

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**Mattax, Heather**  
Mayfield, Marcus  
McCarthy, Nicholas  
**McCarty-Glenn, Mica**  
**McCaslin, Kelsey**  
McCready, Kyle  
Mcloud, John  
Meisner, Daniel  
Mendoza, Joshua  
Menk, Sean  
Mercado, Jose  
**Mireles, Kathryn**  
Moeller, Marcus  
**Moser, Shichun**  
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O Keefe, Matthew  
**Ortega, Amber**  
Ortiz, Paul  
**OToole, Katharyn**  
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Pavlik, Richard  
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Powledge, Kevin  
**Priestley, Holly**  
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Quezada, Gary  
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Schafer, Nicholas  
Seifert, Eli  
Shattuck, Michael  
Shea, Ryan  
Shimura, Tom  
Shull, Samuel  
Sieler, Waylin  
Sills, Dana  
Silva, Austin  
Skinner, Christopher  
Smith, Jacob  
Smith, James  
Smith, Patrick  
**Snell, Margaret**  
Sparks, Kyle  
**Stanley, Sarah**  
Stenson, John  
**Stewart, Nida**  
**Stringfield, Jessica**  
Sudan, Thomas  
Sullivan, Brady  
Swanson, Matthew  
Tawatieu Yota, Gael  
Teran Merino, Diego  
Terrill, Ross  
**Theisen, Kate**  
Theodore, Roosevelt  
**Thomas, Whitney**  
Tibbetts, Matt  
Torres, Gavin  
Troemner, Adam

**Trujillo, Amanda**  
Tu, Lee  
Turner, Devon  
**Vaive, Genevieve**  
**Valdez, Kendra**  
Valdivia, Alejandro  
**Vann, Julie**  
Vickers, Daniel  
Walterscheid, Wesley  
**Warton, Jessica**  
Wernicke, James  
**Wharton, Jaimie**  
Wild, Micah  
**Wilkinson, Taylor**  
Yates, Elyce

**Total Females= 58  
29%**

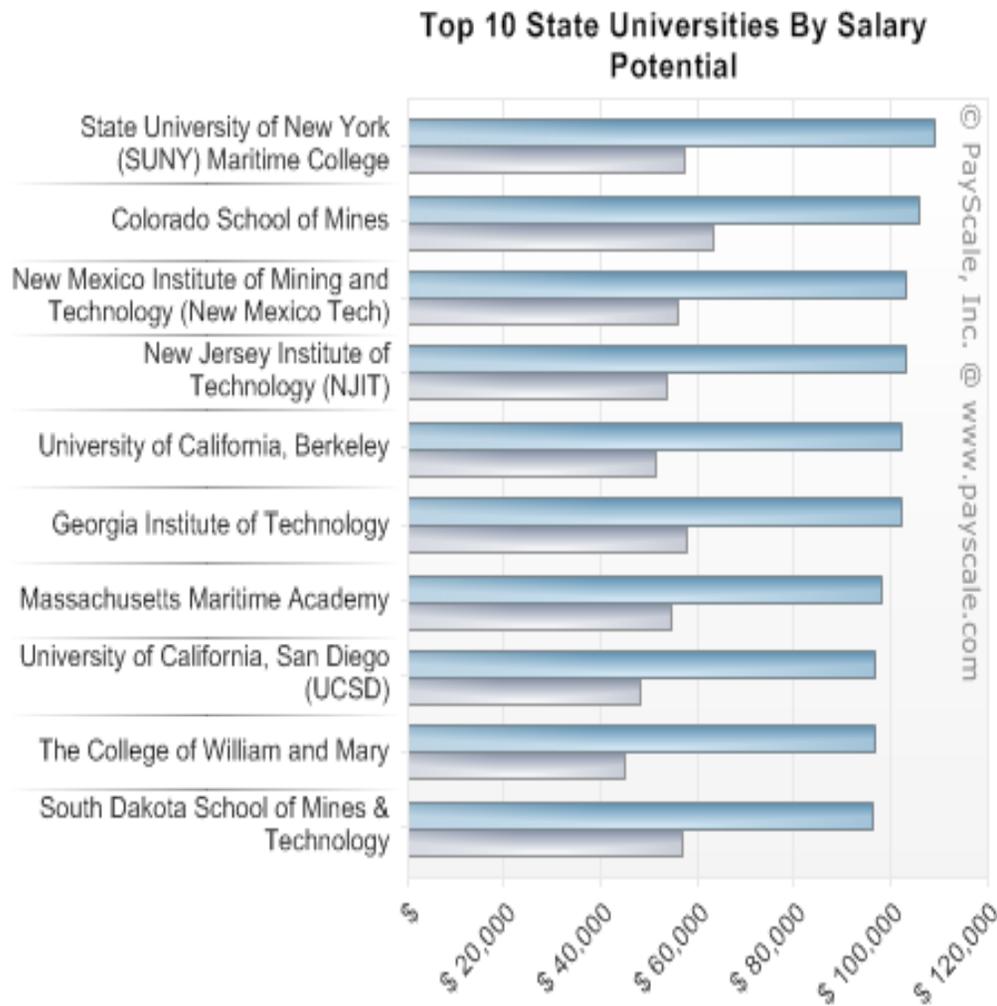
# QUALITY MEASURES

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93% of NMT graduates become employed in or continue their education in their chosen field of study

52% of NMT graduates land high-paying technical jobs in New Mexico

# TOP 10 STATE UNIVERSITIES BY SALARY POTENTIAL AS DETERMINED BY Payscale.COM

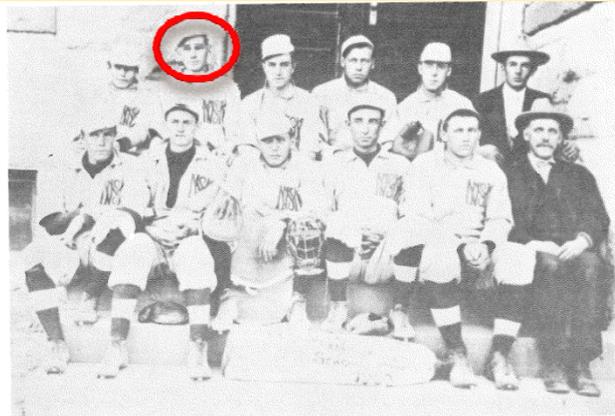


## Methodology:

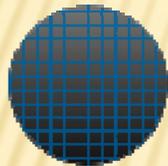
Annual pay for Bachelors graduates without higher degrees. Typical starting graduates have 2 years of experience; mid-career have 15 years.

# The top 50 Universities that produce PhD students

1. Cal Tech
2. Harvey Mudd College
3. MIT
4. Reed College
5. Swarthmore College
6. Carleton College
7. University of Chicago
8. Grinnell College
9. Rice University
10. Princeton University
11. Harvard University
12. Bryn Mawr College
13. Haverford College
14. Pomona College
15. [New Mexico Tech](#)
16. Williams College
17. Yale University
18. Oberlin College
19. Stanford University
20. Johns Hopkins
21. Kalamazoo College
22. Cornell University
23. Case Western Reserve
24. Washington College
25. Brown University
26. Wesleyan University
27. Carnegie Mellon
28. Macalester College
29. Amherst College
30. Duke University
31. Beloit College
32. Bowdoin College
33. Wellesley College
34. RPI
35. Earlham College
36. Franklin and Marshall
37. Lawrence University
38. University of Rochester
39. [Univ of Cal-Berkeley](#)
40. Dartmouth College
41. Occidental College
42. Hendrix College
43. Vassar College
44. Trinity University
45. [College of William and Mary](#)
46. St. John College
47. Bates College
48. Whitman College
49. Brandeis University
50. Hampshire College



Conrad Hilton (back row, second from left) on baseball team, New Mexico School of Mines.



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Manufacturing



# RESEARCH AT TECH

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- NMT Research is Focused on New Mexico
- NMT Does “Big Science”
- Students Are Involved in Research at NMT
- NMT Graduates New Mexico Residents
- NMT Alumni Continue in Their Chosen Field
- NMT Alumni Obtain High Paying Jobs
- NMT Alumni Support the Economy of New Mexico

# MythBusters at New Mexico Tech



**BIG SCIENCE**  
**at a small school**

