

ABRANN' MASLOW

San Luis Valley Regional Science Fair, Inc. 2017 Annual Report

BOARD OF DIRECTORS

DR. DAVID HOLM, Monte Vista -----PRESIDENT SUSAN STORM, Alamosa-----VICE PRESIDENT JENI JACK-GOODWIN, Alamosa-----TREASURER DR. LARRY SVEUM, Alamosa -----SECRETARY

DR. SASTRY JAYANTY, Center

BOO THOMAS, Blanca

JODY OAKS, Alamosa

ANDREW VALDEZ, Alamosa

DR. FRANK NOVOTNY, Alamosa

LUCY ADAMS, Director

TAYLER ROCHA, Student Director



San Luis Valley Regional Science Fair 2017 Annual Report

From start to finish, and at all levels of participation, the science fair experience is one not only of competition but also of camaraderie, creativity, cooperation, and education. This is the essence of the San Luis Valley Regional Science Fair.

Established in 1949, the San Luis Valley Regional Science Fair, Inc. is a private, non-profit organization, which holds a regional competition each year. More than 800 students from the San Luis Valley participate in Science Fair at their schools. The purpose of the fair is to stimulate student interest and encourage the students in science and engineering by recognition of their abilities and achievements.

This year's winners were chosen from among 285 exhibits presented by 309 finalists. These finalists represented 13 public school districts, home-schoolers from the San Luis Valley, and students from a private school. More than 300 judges, including professional scientists, engineers, medical professionals, mathematicians, and advanced Adams State University students, interview the students and evaluate their projects before selecting the winners. In addition, there were also businesses, professional societies, and government agencies that provide their own representatives to help judge exhibits based on their criteria. These judges confer the Special Awards, including scholarships, summer internships, cash, medals, and scientific calculators, which represents an aspect of the bestowing organization. Over 1500 people attended the Awards Ceremony this year which was held in Plachy Hall gym at Adams State University.

In addition, receiving the rare opportunity to speak with working scientists, SLV Regional Science Fair students participate in three grade level divisions for the grand awards in a number of categories: Behavioral and Social Science, Biomedical Science, Botany, Chemistry, Consumer Science, Earth and Space Science , Engineering, Environmental Science, Mathematics and Computer Science, Physics and Zoology.

Participating in Science Fair is one of the few activities that expects students to integrate virtually all areas of their academic development. They use the library for literature reviews, history and research; the students execute experimentation and generally complete mathematical analysis; they write reports; they utilize artistic styles in the preparation of their presentation boards; and they are expected to orally present their projects to the judges. Awards are also given for technical writing, oratory skills, display, originality, and overall projects. Winning Junior and Senior division projects are awarded trips to the Colorado Science & Engineering Fair, which is held in Fort Collins, Colorado. In addition, the two senior division students with outstanding overall projects are awarded an all-expense paid trip to the Intel International Science & Engineering Fair. In 2017 the Intel International Fair was held in Los Angeles, California, where Colorado students competed with their peers from more than 75 countries, regions and territories to showcase their independent research projects.

Many educational experiences are made available to students who participate in the San Luis Valley Regional Science Fair. Recent programs have included Science From CU; the Alamogordo Space Center; Mobil Ed Productions; Physics is Fun; the Denver Museum of Nature and Science; Visible Productions and Mike Mullane (Ret.), NASA Astronaut. Last year's program, "Cool and Creative Chemistry," was presented by Science From CU. Students investigated energy use in living systems through a variety of demonstrations. They also learned how energy is created to fuel everything from respiration and metabolism to photosynthesis and bioluminescence.

The judges' interviews and the educational programs allow the students to interact with professional scientists and engineers and with each other. Many students have said that having the chance to meet

and speak with their peers about their science projects is the most beneficial aspect of the SLV Regional Science Fair.

Scholarships from Adams State University and other organizations are also presented. Adams State University awards \$3,000 in scholarships for outstanding science fair participants who have a desire to further their education at ASU. The San Luis Valley Research Center – Colorado State University, Department of Horticulture and Landscape Architecture - offers a \$900 summer internship to a San Luis Valley student, in grades eight through twelve, who shows excellence in the field of potato research, from the Botany category. A new family scholarship was established severalyears ago that is awarded to a graduating senior student that will be attending Colorado State University and majoring in a field of science.

The San Luis Valley Regional Science Fair is devoted to increasing the academic involvement and excellence between all fourth through twelfth grade students in our region. Student winners from each category are presented monetary awards. There are also many local and national awards that are presented to deserving student participants. With the help of our local sponsors and contributors, the San Luis Valley Regional Science Fair is able to present \$26,000 (either in monetary awards, scholarships, all-expense paid trips to the international fair or material awards) to the outstanding students of our region.

Organization

The San Luis Valley Regional Science Fair would not be possible without the dedication and tremendous efforts of many committed individuals, as well as public and private organizations, school districts, Adams State University, government agencies, corporations, professional associations, and local businesses. These groups sustain the Fair through their financial and resource support, special awards, and most importantly, through providing dedicated volunteers to serve on the Fair's working committees and/or Board of Directors. Many of these businesses not only make monetary donations, but also allow their employees to serve as judges for the San Luis Valley Regional Science Fair. Prior to this regional event, many local school fairs are conducted throughout the region. Each of these fairs is supported by hardworking and dedicated educators at the local school level. Before a student's project is accepted at the Regional Fair, it requires the encouragement and support from individual teachers, science fair coordinators, and parents to help the student see their project from conception to the finished exhibit. The success of the San Luis Valley Regional Science Fair is dependent on all of these dedicated individuals.

To organize and stage the Fair every year requires a great effort by many people, but it also offers many personal challenges and rewards. To witness the level of achievement, pride, and excitement of these bright young people in their scientific endeavors is one of the rewards that all volunteers of the Fair share. It also speaks of the high level of students' aptitude and enthusiasm for science in the San Luis Valley.

* * *

Mission Statement

The San Luis Valley Regional Science Fair is an organization that:

- Honors winners from local San Luis Valley school fairs at an annual Regional Science Fair
- Sends finalists from the Regional Science Fair to the Colorado Science and Engineering Fair (CSEF)
- Provides two overall winners at the Regional Science Fair with an all expense paid trip to participate in the Intel International Science and Engineering Fair (ISEF)
- Encourages students to pursue careers in science, technology, mathematics, or engineering
- Provides a forum for developing academic skills, such as conducting an independent scientific investigation, writing a research paper, speaking, preparing an organized display, and becoming familiar with the scientific method.

The San Luis Valley Regional Science Fair supports local school fairs by:

- Providing a forum where local fairs can influence policies, rules, and by-laws of the San Luis Valley Regional Science Fair
- Providing rules and requirements for participation in all fairs Regional, State, and International.
- Coordinate mentors
- Provides judges and critique at local school fairs.

Impact Statement

The following represent some of the impacts the San Luis Valley Regional Fair has had on the San Luis Valley:

- Awareness, appreciation, and recognition of the importance of science in our society, livelihoods, academic achievement and lifelong success
- An increased awareness of academic competition and the importance of science among Valley educators
- An increased quality of educational activities in all schools in the region
- An increased usage of libraries and the Internet
- An increased exposure to robotics, holography, pathology, space art, moon geology, and the scientific method to the general public.

* * *

The most important aspect of my life so far has undoubtedly been science fair. Through my years of participation I've not only learned valuable scientific research and presentation skill that I'll utilize for the rest of my life, but it has also given me countless amazing opportunities. My most recent endeavor has been a paid internship at the NOAA research lab in Boulder that was awarded through the Colorado State Science and Engineering fair, and it has been an absolutely amazing opportunity. The current three year project I'm working on is a Wildfire Monitoring Drone called NightFOX (Night Fire Observation Experiment). My responsibility was to work with my mentors to help build the sensor package, which included determining what sensors to use as well as developing the code to capture and stitch aerial images captured by the drone. I've been able to apply my current research skills and learn new skills such as circuit board design and computer vision. I'm also gaining experience in the field of research that I can add to my resume which will help me to succeed in the future. This summer was only the beginning of a three year project, and I'm excited to have the opportunity to go back again next year.

-Leighton Burn, Sargent High School graduate (2017)

Top Winners of the 2017 San Luis Valley Regional Science Fair

COLORADO AWARD WINNERS

The following students were chosen to represent the San Luis Valley Regional Science Fair at the Colorado State Science Fair:

Senior Division

Molly Nehring – Monte Vista High School Parker Randolph – Monte Vista High School Michael Savala – Monte Vista High School Elora Smith – Sargent High School Aaliyah Rose Garcia –Center High School Alyssa Rawinski – Monte Vista High School Leighton Burt – Sargent High School Cassidy Plane – Alamosa High School

Junior Division

Sara Nehring – Monte Vista Middle SchoolCamille Rawinski – Monte Vista Middle SchoolPayton James Brown – Sargent Middle SchoolEthan Hotz – Monte Vista Middle SchoolCaleb Riggenbach – Monte Vista Middle SchoolManuel Lucero – Centauri Middle SchoolCaleb Uriah Rabon – Sargent Middle SchoolSamantha Shelton – Centauri Middle SchoolElias Arredando – Monte Vista On-Line Academy

INTEL/ISEF WINNERS

The following two students were chosen to represent the San Luis Valley Regional Science Fair at the Intel International Science and Engineering Fair:

Molly Nehring - Monte Vista High School Alyssa Rawinski – Monte Vista High School

Alternate

Elora Smith - Sargent High School

Junior Observer Award

Sara Nehring - Monte Vista Middle School

TEACHER AWARDS

The following teachers were chosen to attend the Intel International Science and Engineering Fair:

Loree Harvey - Monte Vista High School Rafe Paulson - Sargent High School

SCHOOL AWARDS

The following School Awards are based on the total tabulations of all Grand Awards received by their students:

Small Elementary School Large Elementary School Small Middle School Large Middle School Small High School Large High School Sierra Grande Elementary School Bill Metz Elementary Sargent Middle School Monte Vista Middle School Center High School Monte Vista High School

WORKING COMMITTEE MEMBERS

Fair Director:	Lucy Adams
The Fair Director is actively involved in all working committees hereto mentioned and is also an ex- officio member of the SLV Regional Science Fair Board of Directors.	
Awards Ceremony:	SLV Regional Science Fair Board of Directors Joy DiCamillo Judy Prester Tayler Rocha
Display and Safety:	Dr. Curtis Crawford
Finance:	SLV Regional Science Fair Board of Directors
Publishing:	Joy DiCamillo and Judy Prester
Registration:	SLV Regional Science Fair Board of Directors
Regular Judging:	Diana Jones – Judge Coordinator
Room Setup:	SLV Regional Science Fair Board of Directors Monte Vista High School MESA/Science Club Parent Volunteers ASU Facilities
Scientific Review Committee:	Dr. Larry Sveum - Chair Curtis Crawford- DVM Ms. Jody Oaks Devon Davey Dr. Marty Jones Ms. Loree Harvey
Website Committee:	Julie Messick Chad Chavez Tayler Rocha

Highlights of the San Luis Valley Regional Science Fair for 2017

Sixty-eight years of Science Fair was celebrated in the San Luis Valley this past year. What an honorable history for an organization! Our Science Fair is one of the oldest in the country!

Two students were awarded an all expense trip to attend the Intel ISEF at Los Angeles, CA this past spring.

Our fair was again successful, thanks to wonderful sponsorship that allowed a middle school student to attend the Intel International Science and Engineering Fair, as a Student Observer.

Molly Nehring won big at CSEF, sending her to ISEF from the state level which allowed the SLVRSF to send our alternate, Elora Smith, to ISEF.

Again this past year, SLVRSF added 8 new contributors and two new "In Kind" contributors to the listing. We are also picking up a new scholarship

The 2017 Regional Fair had a total of 285 projects with 309 students participating.

17 SLV students attended the Colorado State Science and Engineering Fair. These 17 students received a total of 29 awards, plus two teacher awards were presented to valley teachers.

Of all the San Luis Valley projects entered at CSEF, 64.7% won an award. San Luis Valley students won 5.6% of all total special awards given. The following are examples:

- 12 of those students placed in the grand awards.
- There were 34 different special awards given to 11 of our students, plus one teacher award which had a total monetary amount of \$1475 and included other prizes.
- Adams State University awarded 4 scholarships to Valley students, which is equivalent to one-year tuition and fees, (approximately \$36,000)
- Colorado State University awarded \$1000 scholarships to attend CSU, renewable for up to three additional semesters to two students.
- One student was awarded the opportunity for summer employment with the Department of commerce in Boulder. This award also has future employment for this student.
- Two middle school students were nominated to participate in the Broadcom Masters program.

Board member Jody Oaks and Fair Director Lucy Adams were members of the Display and Safety Committee at the Intel International Science and Engineering Fair held in Los Angeles, CA.

Our website, SLVRSF.org has materials for our teachers, parents, and students listed on it. There is also a registration form for our judges. Student registration for the 2018 will be available at a later date. One may also find the Board of Directors, the mission statement and history of SLVRSF on the website.

New contributors and visitors to the site are able to view information on how to donate/contribute to the fair. Additional support to the SLV Regional Science Fair can be given by using GoodSearch, GoodShop, Razoo and AmazonSmiles. Links may be found by visiting our website at:

SLVRSF.org

Another great year for the San Luis Valley Regional Science Fair!

Going to the 2017 Intel International Science and Engineering Fair was one of the best experiences of my life. Not only did I have a ton of fun, but I also learned a lot. My week in Los Angeles was one I will never forget. I am so grateful for the opportunity to go to ISEF and so thankful for all the people who helped me get there. This experience made all of the hard work completely worth it and I will continue to strive in the field of science.

I had so much fun in beautiful Los Angeles. It was amazing to see the Endeavor

space shuttle at the California Science Museum. Also, the museum's beautiful rose garden was so fun to explore. The La Brea Tar Pits were also a sight to see! I enjoyed going there with my family and seeing the skeletons of prehistoric animals such as the mammoth, mastodon, dire wolf, and saber-toothed cat. I also enjoyed the student mixer, where I met and talked to several new friends. In fact, at the mixer, I made a lifelong friend from Mexico and we are helping each other with the opposite language.

But I must say, one of the biggest highlights of the trip was going to Universal Studios and having the park all to ourselves. We got to go on the studio tour where we saw several sets and recording stages for the filming of shows like The Voice, America's Got Talent, and The Good Place. The tour also consisted of two amazing virtual reality simulations: a fight between King Kong and a T-Rex, and a car chase with the Fate of the Furious cast. I also was a huge fan of the transformers simulation. Last but not least, Harry Potter's world was also an amazing component of the Universal night. The ride was amazing and all of the shops made it feel like you were actually in the wizarding world! Another highlight was swimming in the ocean and visiting Santa Monica Pier. The weather was beautiful and it was an exceptional end to the trip.

But of course my favorite part was meeting people from all over the world and making new friends. I loved the pin exchange and was able to get some beautiful pins. I think the whole experience has helped me open up, and it has inspired me. Not to mention all the amazing projects and ideas. The students that participate there are incredible scientists and I am honored to be able to learn about the things they have discovered and created!

Overall, the International Science and Engineering Fair was one of the most incredible experiences of my life and it will never be forgotten.

-Alyssa Rawinski, Monte Vista High School

ISEF is always fantastic, but I think LA is definitely the best place. This year, I was super fortunate to be selected by SLVRSF and CSEF to go, my first time placing overall in the senior division at state. I think we had a really great group go this year, which made it even more fun (how is that possible?) One of my favorite parts was the Pin Exchange, where I met up with my friend Jade, who I met in Phoenix last year. She's from Australia, and it was so great to see her again! The newest and probably best thing of ISEF was free and non-crowded access to Universal Studios. From 7pm to midnight, our party wandered around wide-eyed and extremely happy. The Wizarding World of Harry Potter had just opened, and it was so amazing to see one of the best book series ever brought to life! The technology incorporated into the Hogwarts ride was unbelievable – it really and truly felt like you were flying! Another one of my favorites was the Jurassic Park ride, which on the third and final time of riding it, EVERYONE got soaked. Probably the most hilarious aspect of the trip was Sara and her lack of ability to feel public embarrassment. She brought along some tiny plastic hands that look like they were torn right out of a doll's arms, and never ceased to make people double take and laugh when she offered a high five.

Throughout the week, we visited many museums and other interesting places. We train hopped across LA to Chinatown, where it was neat to see a glimpse of a different culture. Interviews went well, and Public Day was a blast, meeting hundreds of kids interested in your project or just you in general. Although no one from the SLV won anything, Colorado overall did very well, with a good number of placers in various categories. After packing up our boards and saying goodbye to the convention center, everyone went off to change clothes. It was time to head to Santa Monica. The remainder of Friday was spent walking around Santa Monica Pier, swimming in the ocean, and having fun with close and newfound friends. I am so glad to have spent a week with Sara, Elora and Alyssa, as well as our fantastic sponsors, and I hope I'll be able to do it again in 2018!

-Molly Nehring, Monte Vista High School

I remember that early morning heading to the Albuquerque airport, me in the driver's seat, and my mom in the passenger's seat. I was so excited, so nervous, and I remember not wanting to stop. I got on the plane to Los Angeles hoping that I would learn, make new friends, have fun, and really get an idea of what I need for next years project. As the plane took off I felt so blessed to be able to have this chance, this chance to look at the world through thousands of different eyes, from different places, and to see new things.

The environment captured the excitement well. A large building covered in ISEF signs everywhere. I remember walking in and my eyes were immediately caught by the sign "Think Beyond. " I soon realized that this is what International Science is about, thinking beyond yourself to do something that can change the world. To go beyond the expectations to change someone's life, to go beyond your state, your country, and think of the troubles of the world and solve those problems. The exhibit hall was my favorite room. Everywhere I turned there were extraordinary projects made by high school students just like me. I could relate to each one of them. They wanted to succeed, and had overwhelming needs to change the world. I meet hundreds of kids from all over the world and I still talk to a lot of them today. I was inspired by the volunteers, the finalists, and the mere kindness of the nobel prize speakers. I'm especially thankful to have meet Manu Prakash, a professor of Bioengineering at Stanford University, who has traveled to India, and Madagascar to help people in need. He engineered simple things that make a real difference in places that doesn't have the resource for health care. He inspired me to think beyond my small town, and make a difference for people that really need it. Because of him I realized that I wanted to be a medical missionary to do my part in serving the people that have less than us.

I left Los Angeles with more knowledge about the world, the different kinds of cultures and the overwhelming problems it faces. I came back knowing I had new friends from Japan, South Africa, England, Germany, Australia, Ireland, Israel, Puerto Rico, China, and I even had the opportunity to connect with some amazing girls from Monte Vista. I came back with a determination to change the world, to understand that it is science not silence that makes the world a better place. I came back knowing that I can make a difference, and every single one of you can too. Just believe in yourself, and never give up no matter hard it gets.

-Elora Smith, Sargent High School



ALAMOSA

1st SouthWest Bank Ace Hardware AGRO Engineering Alamosa Dental Lab Alamosa Elks Lodge Alamosa Kiwanis Alamosa Optimist Club Alamosa Rotary Alamosa State Bank Alpine Veterinary Hospital Alta Convenience Alta Fuels Arby's AS&F Members ASU Robotics Society Asphalt Construction Bill Clark Truck Lines **Biophysical Society** Bruce Meyer CFWC Woman's Citizenship Club **Chaparral Tires** Chapter DP P.E.O. City Market Colorado Field Institute Colorado Realty & Land Colorado Rio Grande Headwater Restoration Colorado Sports Comfort Inn & Suites Colorado Wildfire Management Academy Daniel Avant DDS **Davis Engineering** Dr. Ed & Lucy Adams Dr. Frank Moore Memorial Drs. Jared & Renee Beeton Dr. Kay Watkins Dr. Larry & Carol Sveum Dr. and Mrs. Konishi Dr. Marilyn Loser Dr. Marty & Diana Jones Dr. Ron Loser Dr. Sastry Jayanty Dr. Sephen and Sara Bohrer Duane & Lorelei Bussev Eunice Teyler Farmers Union Floyd & Jody Oaks Helen Sigmond & Jim Lester IHOP Integrated Land Services Intel Jeff & Susan Storm Jeni Jack-Goodwin Jim Lester, Helen Sigmond Jim's Tire Store Kiwanis of Alamosa Konishi Veterinary Kathy Rogers Kristi Mountain Sports K W Farms L & M Auto Sales Loaf 'N' Jug Mark E. Miszkiel Martinez & Assoc. **McDonalds** Oscar's Restaurant Pat & Ann Stanford **Pauline Moore** Pester Marketing Co **Right Carpet** Rock Creek Family Medicine Rocky Mountain Eye Center San Luis Valley STEAM Shop

2017 Contributors

Sherwin-Williams SLV Behavioral Health Group SLV Brewing Company SLV Builders SLV Building Components SLV Federal Bank SLV Health SLV Principals Assn. SLV Trout Unlimited Sky High Hospitality Valley Motel Soil & Water Conservation, Colorado Chapter So. Colorado Orthodontics Steve Schiffer, DDS Super 8 Motel The Bridge Valley Courier Valley Educators Credit Union Valley Electric Valley Motel Vallev Realtv Vendola Plumbing Wal-Mart Walter and Frances Goodman Johnson Foundation

ANTONITO

Imperys Perlite USA, Inc.

BLANCA / FT. GARLAND

Fort Market James & Wendy Fischer Sierra Grande Éducation Assoc. Trinchera Foundation Trinchera Ranch Three S Farms

CENTER

Aspen Produce LLC Biel Crop Consulting Center CD Center Kiwanis Central Pump Farm Service Gunbarrel Station Katrina & Ted Ruggles Rio Grande Water Conservation District Rio Grande Watershed Conservation/Education Inc. (RGWCEI) SLV Research Center Willy & Karen Hoffner

CREEDE

Holy Moses Broken Arrow Ranch & Land Co. Broken Arrow Property Mgt.

DEL NORTE

Del Norte Bank Del Norte Napa Auto Parts Jack's Market Kristi Mountain Sports Linda Owsley Michael & Roni Wisdom **Rio Grande Hospital** Rio Grande Hospital

LA JARA / MANASSA Cactus Hill Ag Consulting Conejos Co. ČD Conejos Co-La Jara Rotary Manassa Market

MONTE VISTA

Alpine Veterinary Hospital Brian Roberts, DDS C & L Container Colorado Potato Admin. Committee Dirk & Angela Oden Dr. David & Vonda Holm Farm Fresh Direct Forest Stewardship Concepts Ltd Friends of National Refuges Gary & Jerene Wilkinson Hi-Land Potato ITC Jason Romero Memorial John & Lisa Rawinski Kiwanis of Monte Vista Mathias Concrete Inc. Matt & Jenny Nehring Monte Glass Shop Monte Vista Coop Monte Vista Elks Monte Vista Rotary Nathan Davidson Poole Chemical Rick Haslar **Rierson Farms** Rio Grande CD Rio Grande S & L Rob & Grace Davidson Robert Shanahan Rodney & Laurie Clark Ski Hi Stampede SLV Quality Concrete SLV Rural Electric Coop SLV Trout Unlimited Sunflower Bank The Legacy of Monte Vista Tom & Donna Templeton Top Value Walter S. Fullwood, CPA Waste Management of MV Wilber Ellis Williams Family Chiropractic

<u>MOSCA / HOOPER</u> MOFFAT / CRESTONE

Fairpoint Communications Friends of the Dunes Great Sand Dunes Swimming Pool Mosca/Hooper CD Mosca Pit Stop Orient Land Trust John & Bonnie White

SAGUACHE

American Legion Post 110 Fenton Pottery Jim Coleman Mtn. Valley Lumber Co. Olive Branch Lodge Saguache Crescent

SALIDA

Anderson & Hughes, P.C Denny and Tim Marlin First Colorado Land Office Harder Diesslin Development Kaleidoscope Toys Kaleidoscope Toys Ken & Susan Lindbloom

SANFORD Jeanne Reed

SAN LUIS

Costilla Co CD Mr. & Mrs. R. Maestas R & R Supermarket

SARGENT

Christensen Farm Chris Messick Curt Kaiser **Douglas & Julie Messick** Gunnel Farms Haugen Mtn. Grown Lamb Hi-Land Potato Co. Lvle & Liz Hood Mr. & Mrs. Curt Kaiser **Rick & Brenda Schnaderbeck** Roc & Terri Paulson Sargent Education Assn. Sargent School PTO Steve & Karla Van Treese

SOUTH FORK

Rainbow Grocery

In Kind Contributions

ASU Housing ASU Maintenance **ASU Security Office** Aspen Homes City Market Coca-Cola Colorado Gator Park **Courtney Butler** Domino's Pizza Ed & Lucy Adams Jeff Washburn Joy Di Camillo Judy Prester **KBS** Enterprises KGIW KSLV Marty & Diana Jones MESA/Science of Monte Vista High School O & V Printing Pepsi Cola SLV BOCES Society for the Science & the Public **Texas Instruments** Wolf Creek Ski Area