



 **NATIONAL
ATOMIC TESTING MUSEUM**
A Program of the Nevada Test Site Historical Foundation
A Smithsonian Affiliate

ANNUAL REPORT 2021

*Learning from our past to enable a secure,
peaceful future.*



NEVADA TEST SITE
HISTORICAL FOUNDATION

MISSION

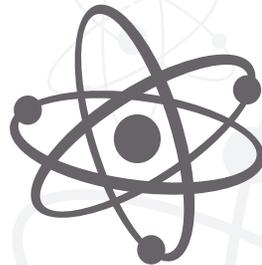
Objectively facilitate education and awareness of the science and technology associated with the past, present, and future of the nation's nuclear weapons testing and national security programs.

VISION

We are a world-class facility that successfully educates the local, regional, and international community on the U.S. Nuclear Weapons Testing Programs and the National Security Programs being executed at the Nevada National Security Site. This experience will inspire visitors to seek further information and gain a better understanding of how this work affected, and continues to affect, our world.

VALUES

- Ensure Objectivity
- Champion Intellectual Curiosity
- Demand Integrity and Transparency
- Encourage Creativity
- Respect Diverse Opinions
- Strive for Excellence
- Value Learning



FROM THE CHAIRMAN

Fulfilling our Critical Mission

2021 was a year of both challenge and opportunity as we dealt with the continued effects of COVID 19. I'm proud of the NATM accomplishments in the past year, and none of those accomplishments would have been possible without the outstanding commitment of our staff, members, donors, partners, and volunteers.

The Desert Research Institute team continued to work with the NATM team to address the critical issues we faced, and to plan for the future. In addition, U.S. Department of Energy/NNSA/ Nevada Field Office, and the MSTS contractor teams were steadfast partners as we worked to maximize our positive contributions to our stakeholders and the local community.

The staff worked tirelessly to rebuild our visitor base, while introducing new exhibits and planning significant upgrades to our exhibits and educational programs, including adding newly acquired artifacts to the "Trinity: The Day the World Changed" exhibit and collaborating on a variety of educational events with our community partners.

Of particular note, we are pleased that Congresswoman Dina Titus sponsored a \$2 million appropriation to the museum to allow us to make a step change in our educational programs. The



recent approval of that appropriation will allow us to move out quickly to develop and implement new and innovative programs.

As part of our future planning, we are evaluating the option of a relocation to the Lied Museum in downtown Las Vegas. Based on some staunch support from the City of Las Vegas, we may have the opportunity to move into a much larger building that will allow us to expand our exhibits, public outreach, and educational programs. Implementing this vision will require more hard work, and additional funds, but I am confident that our team is up to the challenge!

In summary, 2022 is shaping up to be a year of tremendous opportunity. Thanks to you all for working tirelessly to ensure that the museum remains world-class.

With thanks and best personal regards,

A handwritten signature in blue ink that reads "John R. Longenecker".

John R. Longenecker
Chairman, Nevada Test Site Historical Foundation



IN MEMORIAM

Our Dear Friend and Colleague Charles F. Costa



We honor Charles Costa by dedicating in his memory Chuck's favorite National Atomic Testing Museum exhibit, "Trinity, The Day the World Changed." May this display always serve as an educational resource in the spirit of the man for which it is now named.

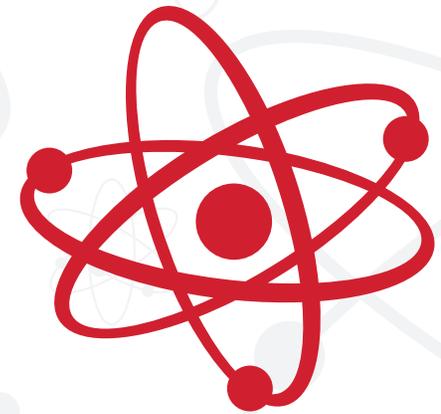
Charles F. Costa, known to family and friends as Chuck, passed away after a brief illness on August 30, 2021. He had a distinguished career in public service, employed in several environmental science leadership roles at the former Nevada Test Site (NTS). He began his career with the US Public Health Service in the early 1960's, responsible for off-site environmental monitoring during both the above-ground and underground test eras. He was one of three "founding fathers" of the Community Environmental Monitoring Program (CEMP), a network of monitoring stations located in communities surrounding the NNSS. He frequently rode the "CEMP circuit" and made lifelong friends with many of the ranchers in those areas. On formal occasions, Chuck made a distinguished

sight in his PHS white dress uniform. He retired from the PHS as a Captain (equivalent to a Colonel in the military). He then served as division director for the Environmental Protection Agency's off-site environmental monitoring group. He also played a key role in operations on the ExxonMobil Valdez oil spill cleanup in Alaska and Eniwetok nuclear cleanup in the Marshall Islands. After EPA, Chuck was with Los Alamos National Laboratory (LANL) where he rose to the position of Test Director - no small challenge. He served on the last underground joint US and British nuclear test, canceled before detonated. Later, he supervised subcritical testing operations. After retiring, he joined a core group of NTS veterans who created one of the best museums in this country, The Smithsonian Affiliated National Atomic Testing Museum. He remained a volunteer, executive board member, and active staff supporter and consultant for the NATM, and its parent organization the Nevada Test Site Historical Foundation. He also remained active on many VIP tours of the N

NSS or what we all still affectionately call the "Test Site." This was a contract role under former DOE contractor National Security Technologies, LLC and current contractor, Mission Support and Test Services, LLC. His dream, along with others, was to preserve and educate multi-generational audiences on the history and science that he himself lived. That life revolved around atomic testing and securing the peace of the Cold War.

His last major endeavor at our now seventeen-year-old and seasoned NATM operation had been to create an exhibit on the first nuclear test known as Trinity and the Manhattan project, which created such a wartime miracle. We honor Chuck Costa by dedicating this exhibit in his memory and to his leadership in education.

OUR YEAR OF SUCCESS, 2021



The world has been changing so fast that, as we look back and reflect, we can see that our last three years at the National Atomic Testing Museum have been ones of great contrast. For example, 2019 proved the best in the history of our organization with a little over 80,000 visitors. The following 2020 proved to be the most challenging of all our lives. In that year the staff rose to meet the challenges with steady determination. This year of 2021 has been one of recovery as we have been able to be more proactive than reactive.

While the Pandemic continues, I am proud to report that my staff has always provided a safe working environment for our patrons and themselves. Our procedures and consistent mask policy have given us a perfect safety record in

which not a single employee has become ill in 2020-21. Having said that, many of us have lost family and patrons outside of the workplace, and we mourn them. And now of course we face another challenging COVID strain in 2022.

Over the last 20 months the staff has fearlessly served as frontline workers keeping the NATM open and profitable. They have sacrificed many routine benefits

to do this job and have worked together with a team spirit as never before. Everyone has excelled, and I want to take time here to give some credit.

All through this time our lectures and programming and even our field trips have reached more people than ever before. That is because we have had to rely on virtual presentations, which do not limit the size of our audience as our building



We are masked, we are vaccinated, we are boosted, and we are Vegas Strong.

often does. In that way Education Director Joseph Kent has done an outstanding job, reaching those greater numbers of students and followers. All the while, Joseph has maintained a careful and safe mix of hybrid, in-person and virtual platforms in coordination with our ace Museum Technician, Alex Vlasyuk. Alex is a jack-of-all-trades and not a day goes by that each one of us do not rely on his talents.

Also of note is our NATM Museum Store Manager, Jennifer Dimmick, who has kept our business going with innovative marketing and imaginative branding of merchandise to make sales exceed those of some of our best pre-pandemic years. Jennifer and her assistant, Rozi Stambek, have inspired and maintained a skeleton staff keeping floor operations with Alex safe and inviting.

New faces like Parker Arcchi, Curator, and Amanda Haas, Education Assistant, have maintained exhibits and programming during a time of great need, never letting down our professional museum standards. They are also cross-trained for emergency support in the Store and Admissions as they both started downstairs as volunteers during the early days of the COVID crisis. An additional new face, Andrew Dimmick, is

forging an appealing online store, providing us another revenue source to support our mission.

CPA Elizabeth Borngesser and I have always maintained fiscal responsibility, transparency, and sought every possible grant and relief package available. Our Web Master and Designer, Torey Hodges, and IT wiz Lee Ortiz always go above and beyond to give us the expertise and technical tools to keep our museum's mission relevant and our business competitive in a changing and largely virtual world.

We also thank special consultant Mary Beth Hartleb of Prism HR Consulting for her great devotion to our museum and another veteran spirit, James Gatling, for his project management expertise. Our contract with Jon Porter of the Porter Group, Government & Business Solutions continues to help us find state and federal funding. Other contractors like Grand Canyon Development Partners help us plan for future growth.

Our Board, now led by Interim President Darwin Morgan and Board Chairman John Longenecker, supports us all. Darwin has



The NATM's incredible group of volunteers and interns pose for the camera following the Volunteer Appreciation Luncheon in December.

for many years vigilantly treasured this museum with all his heart and soul as has everyone on the Nevada Test Site Historical Foundation Board.

Our very important and indispensable part-time staff are not to be overlooked. They have performed at 100 percent, never with a single complaint during these many hard months. Those stars include store cashiers Carol Billigmeier and Antonio Sanchez and admission cashiers Christine Winteler, Megan Gilbert, and Benjamin Dush. The entire staff gives their thanks to James Hall for his service at the front door these past two years with the thankless job of reminding everyone to put their masks on. Several days a week James assists us in a hundred and one chores that allow my staff and me to focus on our own work. I also want to mention DRI employee Mayra Sanchez, who works for us when available to help keep the museum looking sharp

and clean on weekends. Of course, all part-timers are cross-trained so that they can fill in at any time anywhere. Museum people wear a dozen hats; it is what we do.

More hands contribute on other days and in other ways such as the Grant A Gift Autism Foundation volunteers and University Nevada Las Vegas (UNLV) workforce student intern, Jeffery Siano-Nay. These helpers serve us in so many valuable tasks while they learn. Returning Grant A Gift veterans Jorge Valadez and Julien Sierski are noted assistants as well.

We have benefited from numerous interns from Clark County School District (CCSD) and UNLV, which have assisted in making the Museum constantly productive. Docent volunteers have increased even through the worst of this pandemic, providing their seasoned knowledge and dedication. It is our docents who not only lived this history but helped make it. Those veterans are so appreciated by our many visitors who value their colorful stories.

All our volunteers are valued and include Zander Aab, Carmen Agudo, David Barber, Chuck Costa, Dale Cox, Martha DeMarre, Zorel Deustua, Jack Doyle, Jacob Fales, Quinton Gibson, Tristan Gorst, Alan Guzman, Mike Heiner, Joey Hurewitz, Lynda

Israel, Mike Lukens, Starr Martinez, Liz Mijares, L.J. Modico, Alexis Santiago Moran, Darwin Morgan, Jared Morgan, Kris Morris, Adam Noorani, Liz Palagi, Dick Reed, Cathy Sellmann, Rod Walker, Ernie Williams, and Diane Zapach. Every job at the NATM is just as important and vital as the other and that includes everyone's position from the top down. No single person ever lets the team down.

All these people mentioned above are just that, a team, and unified behind our mission. The staff make the NATM a success every day of the year and create a very safe place for our community. We set a good example for our community.

Of special and important note, we thank the amazing team of Desert Research Institute (DRI) under Peter Ross and Paul Pate. Their crew are always there for us and continue to assist in countless ways. We have been longtime partners, but during the Pandemic they stepped up as never before helping to keep our building open and making every public space safe and spotless.

As stated, on the development side, during this year we have continued to seek relief grants and have benefited from or have current applications pending

with five American Rescue Plan grants. We also have qualified for additional Small Business Administration funding. Our Paycheck Protection Program loans are forgiven and have been used to the maximum effect of their intent. We give our gratitude to Nevada Humanities for current and ongoing funding that came through Congress and the National Endowment for the Humanities as part of the CARES Act, Economic Stabilization Plan. In addition, we just received an American Rescue Plan grant from them. We also thank the Commission for the Las Vegas Centennial for their funding. Our corporate sponsorships have increased with recovering attendance numbers and a phenomenal growth in our Museum Store. The Museum's social media and advertising have also made an important contribution to our recovery. Prior to the Delta wave we had in fact reached near normal levels; however, the last six months have once again challenged us. Nevertheless, we will forge on, meeting any challenge that comes our way.

In addition, despite the challenges to operations, we presented three of our most highly praised exhibits to date. These comprise a stunning new permanent display, which can now be enjoyed online as well as in-person, honoring the



The popular Trinity – The Day the World Changed exhibit.

75th anniversary of the first nuclear test known as Trinity. We also have a 75th anniversary display from the U.S. Navy Heritage Command of the 1946 Operations Crossroads atomic tests—told through the magnificent artistic works of California Impressionist Arthur Beaumont, official painter for the United States Navy for over five decades. Thirdly, we have had thousands of visitors enjoy our most recent Department of Homeland Security Science and Technology Directorate exhibit

on COVID-19. More DHS S&T exhibits are coming soon. We are now also planning an engaging stockpile stewardship exhibit for 2022 as we update our displays. We thank longtime exhibit designer Andy Merriell for his usual expertise in this project. We thank Los Alamos for the copyrights to name this new stockpile stewardship exhibit “The Bomb Without the Boom.”

Our commitment to STEM education has continued through all the ups and downs.

In this we have had strong support from Mission Support and Tests Services (MSTS) at the Nevada National Security Site and from Clark County School District (CCSD) and UNLV. This year we have planned for upcoming STEM Saturday programs sponsored by MSTS and CCSD. We are also currently in the process of creating a joint internship with Lawrence Livermore National Laboratory (LLNL) for the summer of 2022. Inspired by the Smithsonian and a partnership between the National Nuclear Security Administration, LLNL, and the NATM, we envision that the intern will spend a total of eight weeks at the NATM and six weeks at LLNL to complete a research project. This year we launched our first STEM Camp, and it was so successful that more such programs will follow. The Education Committee will be working with more workforce initiatives as well in 2022.

We have continually developed and maintained working partnerships in our community and nation. Fostering critical partnerships is imperative in the world of not-for-profits, and we are meeting those goals. As in all years, we also owe our success to the generous support of our members, corporate sponsors, donors, and partners. We are especially grateful to our Department of Energy/National

Nuclear Security Administration/Nevada Field Office partnership, which has provided the space that we occupy in the DRI's Frank Rogers Building.

We salute our many years of friendship and partnerships with the Mob Museum (officially the National Museum of Organized Crime and Law Enforcement); Neon Museum; Springs Preserve; Friends of Nevada State Museum; Museum of Gaming History; National Museum of Nuclear Science and History; Bradbury Science Museum; Los Alamos History Department; White Sands Missile Range Museum; Sandia National Laboratory Defense Nuclear Weapons School; National Reconnaissance Office; Nellis Air Force Base; Huntington Ingalls Industries; J.G. Management Systems, Inc.; Navarro Research and Engineering; SOC, A Day & Zimmermann Company; Mission Support and Tests Services; Eagle Research Group; VisX Corporation; Epsilon System Solutions; Jacobs; Honeywell; Longenecker & Associates; City of Las Vegas; Commission for the Las Vegas Centennial; Nevada State Bank; The Oughtred Society; Spencer Springs Animal Hospital; Heaven Can Wait animal society; Covelop Collaborative Development; Kaercher Insurance; Larry Smoot Professional Insurance Planners;

Critical Nurse Staffing; Trusted Ally Home Care; Home-Light Real Estate; Findlay Honda; Henderson Chamber of Commerce; Las Vegas Chamber of Commerce; Thorndal Armstrong; Kaempfer Crowell; CCSD Office of Community Engagement under Cheryl Wagner; Grant a Gift Autism Foundation; UNLV Department of History with Michael Green, Department of Teaching and Learning, College of Sciences, and College of Fine Arts; UNLV's Tech Trekker program; The Coder School; Ted Candalino, Nuclear Testing Archive; Martha DeMarre and Dr. Craig Wuest, special consultants; Dr. Alan Carr, Los Alamos historian; Dr. Roger Meade, NATM history advisor; Mark Martinez, MSTs President; Dr. David Bowman, NNSA Nevada Field Office Manager; Scott McGregor, NATM Manhattan Project history supporter; Nevada Community Foundation; The National Endowment for the Humanities; the National Park Service; the Smithsonian Institution; Congresswoman Dina Titus; and many, many others.

We could not do what we do without the dedicated men and women of our diverse Nevada Test Site Historical Foundation Board, National Advisory Council, veterans, volunteers, sponsors, members, stakeholders, and patrons.

They all have such tremendous passion for the important history we conserve and all its many related stories that make our expanded mission so relevant to present-day events. We honor those men and women who have addressed the challenges of the nuclear age in war and peace and who won that peace of the Cold War. As we move this museum into the future, those veterans of the Nevada Test Site continue to give this organization support and guidance. They have allowed us to go forward in this challenging past year with steady determination as we value our past, present, and future.

We have a multidisciplinary museum serving a multi-generational audience. The National Atomic Testing Museum is a special place. We are very proud of what we do and where we are going.

Warm regards,

Michael Hall

Michael Hall, Executive Director
Smithsonian Affiliated National Atomic
Testing Museum

CURATOR REPORT

Although 2021 was a year filled with tumultuous and unknown situations, the staff of the National Atomic Testing Museum consistently did their best to overcome and succeed in everything they put their minds to.

I feel so grateful to be able to work with such a resilient and driven staff—the year would not have been nearly as successful without these dedicated individuals, and for that I thank them. I started with NATM as the Curatorial Intern in September 2020, during the height of the pandemic. Although little was known about the future of the world, let alone our museum, I was inspired by the hardworking staff who tirelessly dedicated themselves to their work and helping each other. I continued in the role until I was brought on as the full-time Curator in the summer of 2021. By that time, we had already begun working on some exciting projects. I will lay out our curatorial accomplishments during this past year and some things that we are working on for 2022.

One successful accomplishment from 2021 was our temporary exhibit commemorating the 75th Anniversary of Operation Crossroads. The star of the exhibit was the masterful watercolor paintings done by long-time naval artist, Arthur Beaumont. His paintings, in conjunction with the oil paintings of Charles Bittinger, a model of the U.S.S. Nevada, and dozens of articles and photographs rewarded great success in this exhibit. We received so much positive feedback that we decided to keep the paintings up months longer than anticipated. The exhibit will officially come down this January but will soon be showcased on our website highlighting past exhibits.



The Bomb Without The Boom, our new Stockpile Stewardship Exhibit will be displayed sometime in 2022. Photo above courtesy of Andy Merriell.

Following the success of the temporary exhibit, I moved forward enthusiastically with hopes of creating new exhibits. Thanks to the encouragement of Executive Director Michael Hall, I can announce that we have three exciting new exhibits planned for 2022. Some of the upcoming plans can be read in the Curator's Corner, which is the monthly article in The Blast! where I showcase exciting new donations or news relating to

the Curatorial Department. The upcoming projects include our 2nd exhibit with the Department of Homeland Security, our collaborative exhibit with the Office of Environmental Management (EM), and our new Stockpile Stewardship exhibit. The 2nd installment in our exhibit with the Department of Homeland Security will evolve from education on COVID into highlighting our first responders and the exciting new technologies that they utilize. Partnering with the Education Department, this exhibit will reach larger audiences with planned discussions and educational programming. We wanted to make sure that our exhibits, much like our world now, is evolving and staying relevant to the needs of our communities and audience. We believe this new installation will meet that goal. The exhibit will be displayed in early 2022.

The collaboration with EM came at a perfect time—we felt the need to showcase the important environmental work that is being done at clean-up sites around the country, and our local Nevada Site Specific Advisory Board (NSSAB) also wanted to expand its educational outreach. Since connecting with EM about this exciting opportunity, we have been in touch with other test sites and national

laboratories around the country. This exhibit will be a wonderful collaboration bringing in many different stories, perspectives, and accomplishments regarding environmental clean-up of past nuclear sites. Similarly, this exhibit will be able to reach a larger audience in our pursuit to educate our community and guests through educational programming, lecture series, and panel discussions. This exhibit will be displayed in early 2022. Lastly, our final exhibit plans that we started working on were that of the Stockpile Stewardship exhibit. This exciting, large project would not be possible without the expertise of Darwin Morgan and the help of long-time friend and associate Andy Merriell. This exhibit will be replacing the Silo section of the museum and answer some of the questions that most NATM guests leave with, e.g., “Where are all the bombs now?” The new exhibit, “The Bomb Without the Boom,” will be displayed sometime this coming year. Look out for updates regarding this momentous event! Though some tasks come to fruition with the completion of a project, others require continuous maintenance and upkeep throughout the year. These include the everyday task of staying on top of our ever-flowing donations of

artifacts, maintaining the integrity of our artifacts in collections, and ensuring that our inventory is up to date. This, along with digitizing our collections and making past and current exhibits available online and for research purposes, keeps us very busy. I cannot share our accomplishments without thanking all of the interns and volunteers who make the Curatorial Department as strong as it is. Thanks must be given to Liz Mijares, Jeffrey Siano-Nay, Quinton Gibson, Alexis Santiago Moran, and so many others. I would also like to thank Education Director Joseph Kent, Education Assistant Amanda Haas, and Museum Technician Alex Vlasyuk for their continual help and encouragement in all that we pursue. With these impressive new projects coming up, please be sure to stay updated via The Blast!, Curator’s Corner, or other announcements.

Cheers!

Parker Arecchi

Parker Arecchi



EDUCATION REPORT

The National Atomic Testing Museum has experienced a great deal of change and excitement throughout 2021. Our small staff welcomed new faces to help support the museum's continued recovery and growth, exclusively virtual experiences made way for hybrid programming, and new opportunities and partnerships sparked renewed hope for the future.

One constant through the challenges of the past two years has been the unwavering commitment of the National Atomic Testing Museum's incredible troupe of volunteers and interns. From providing one-of-kind experiences for our guests and leading group tours to assisting with events and aiding departments behind the scenes, the inspiring dedication of these individuals has allowed the museum to not only survive, but to thrive. The Education Department expanded in 2021 with the creation of a new position. Amanda Haas, a recent intern and graduate of Wayland Baptist University in Amarillo, Texas joined the NATM as Education Assistant in August.

2021 saw the return of in-person tours and events at the NATM. With the increase in attendance this year, we hosted even more groups for guided walkthroughs of the NATM's many exhibits, including schools, social clubs, and government agencies. We thank the Nevada National Security Site for generously sponsoring field trips to the museum for Clark County School District students. The NATM held its first STEM Camp, entitled "STEM Summer Camp: Radiation Sensation," in July. Campers, who ranged in age from 10 to 14 years



The staff and volunteers take a break from handing out candy for a photo at the NATM's Nevada Day/Halloween celebration.



A family enjoys coloring pages designed by the museum's very own Christine Winteler at the joint sci-fi night event with the Grant a Gift Autism Foundation.



Students work together to build a complex molecule during the STEM Summer Camp: Radiation Sensation event.

old, built their own molecular models, used Geiger Counters to detect radiation, learned how solar panels work, and completed coding projects! This camp would not have been possible without our community partners: the Nevada National Security Site, the Desert Research Institute's Community Environmental Monitoring Program, the University of Nevada, Las Vegas' Tech Trekker program (sponsored in part by the NNSS), and The Coder School.

The NATM co-hosted a sci-fi night with the Grant a Gift Autism Foundation in September that treated families to a screening of *Forbidden Planet* and a private, sensory-friendly tour of the exhibits. In November, the museum presented a two-night event exploring



Education Assistant Amanda Haas with students from Girls Athletic Leadership School Las Vegas.

the legacy of influential modern dancer Martha Graham and her role in the global politics of the Cold War. We partnered with UNLV's College of Fine Arts and guests enjoyed dance performances, pieces from the university's Erick Hawkins Collection, and lectures showcasing Dr. Victoria Phillips, author of *Martha Graham's Cold War: The Dance of American Diplomacy*, and Louis Kavouras, Chair of UNLV's Department of Dance.

For its Distinguished Lecture Series, the NATM introduced 10 illustrious speakers, both virtually and at the museum, who discussed a wide range of topics. Featured in the series were William "Ted" Hartwell, member of the research faculty of DRI and Project Director for DRI's CEMP; Gary Hoe, formerly of Sandia National Laboratories and retired United States Air Force Lieutenant Colonel; Derek Hall, Principal Scientist for Mission Support

and Test Services, the management and operating contractor for the NNSS; Dr. Shanna Ratnesar-Shumate, Associate Professor and Research Scientist in the Department of Pathology and Microbiology at the University of Nebraska Medical Center and Scientist with the National Strategic Research Institute; Todd Shrader, Principal Deputy Assistant Secretary of the Department of Energy's Office of Environmental Management; Yoshiko Kajimoto, survivor of the 1945 atomic bombing of Hiroshima; Stanley Paher, award-winning author of 18 books; Dr. Victoria Phillips, author of *Martha Graham's Cold War: The Dance of American Diplomacy*; Dr. Alvin Young, former Chairman of the Committee on Interagency Radiation Research and Policy Coordination; James McConnell, Associate Administrator for Safety, Infrastructure and Operations for the National Nuclear Security Administration. Additionally, the museum offered special webinars with STEM Ambassadors from UNLV's Tech Trekker and Lucy Jane Santos, author of *Half Lives: The Unlikely History of Radium*. While much of the NATM's outreach was done remotely in 2020, the staff and volunteers were able to participate in person at numerous community events in 2021, such as the Clark County Library's



Las Vegas Science & Technology Festival's S.T.E.A.M. and Scream event

Tables of Treats and Resource Fair, the Las Vegas Science & Technology Festival's S.T.E.A.M. and Scream event, and various speaking engagements. The museum also continued its involvement in the Las Vegas Science and Technology Festival's Science is Everywhere Day and Clark County School District's Community Meet Ups and Virtual New Teacher Symposium.

After accomplishing so much in 2021, we are looking forward to what 2022 will bring. All of us here at the NATM hope you will join us for the programs and events that we have planned for the coming year.

Joseph M. Kent

Joseph Kent
Director of Education
National Atomic Testing Museum



LEADERSHIP TEAM

NEVADA TEST SITE HISTORICAL FOUNDATION BOARD OF TRUSTEES

Officers

John Longenecker - NTSHF Chair; NTSHF Governance and Development Committees; President, Longenecker & Associates; former member, Board of Directors, Nuclear Energy Institute; former Chair, General Atomics International Services; former DOE Deputy Assistant Secretary, Uranium Enrichment

Linda Rakow - NTSHF Vice Chair; NTSHF Executive, Development, Governance, Relocation Project Oversight & Education Committees; former Chief Financial Officer, SLAC National Accelerator Laboratory and Lawrence Livermore National Laboratory (LLNL)

Darwin J. Morgan NTSHF President; Founding member; Chair, Public Relations & Marketing Committee; former Director, Office of Public Affairs, U.S. Department of Energy, National Nuclear Security Administration Nevada Field Office since 1989. Prior to joining DOE, served as reporter, anchor and assignment editor for KVBC-TV, Las Vegas, NV from 1984 to 1989; KBIM-TV, Roswell, New Mexico, from 1980-1981; and KAUZ-TV, Wichita Falls, Texas, from 1981-1984.

Linda Smith - NTSHF Vice President and founding member; NTSHF Executive, Development, Governance, Finance & Membership Committees; former Acting Deputy Manager/Assistant Manager for Administration, DOE Nevada Operations Office; former Director, Management Services, US Bureau of Reclamation Arizona Projects Office which was responsible for constructing the Central Arizona Project

Mary E. Pike - NTSHF Secretary; NTSHF Executive Committee; Chair, NTSHF Education Committee; former Director of Science, Health, Physical Education, and World Languages, former school administrator, and former science teacher for the Clark County School District

Pat Arnold - NTSHF Treasurer; NTSHF Executive, Governance, and Relocation Project Oversight Committees; Chair, NTSHF Finance Committee; Principal, Covelop, Inc., San Luis Obispo, CA; native of Southern California; grandson of Dr. Herbert Grier, founder of EG&G, Inc.

Trustees

Robert J. Agonia - NTSHF founding member; NTSHF Education Committee; former DOE Nevada Operations Office Industrial Relations Director; former member, Peace Corps

Nick C. Aquilina - NTSHF founding member; former Manager, DOE Nevada Operations Office; former Manager, DOE Savannah River Operations Office; former Deputy Manager, DOE Idaho Operations Office

John C. Browne - NTSHF National Advisory Council; NTSHF Relocation Project Oversight Committee; former Director, LANL; former Associate Director for Computational and Information Sciences, LANL, with responsibility for Los Alamos Neutron Science Center

Bruce W. Church - NTSHF President Emeritus and founding member; former DOE Nevada Operations Office Assistant Manager for Environment, Safety, and Health; member of Health Physics Society of America and Society for Risk Analysis

Martha DeMarre - Former manager of the Nuclear Testing Archives (NTA) at Mission Support & Test Services (MSTS), 42 years; Served in a pivotal role during the planning and construction of the current NATM.

John F. Doyle - NTSHF Executive, Finance and Education Committees; former EG&G executive; led DOE Nevada Operations Office's Remote Sensing Laboratory; founding member of the nation's Nuclear Emergency Search Team (NEST)

David Feather - Former Senior Director, Business Operations, MSTS; former Senior Director for Program Integration, MSTS; over 25 years of weapons and program experience both as a federal manager with DOE NNSA in Washington, DC and Honeywell at the Kansas City National Security Campus

Dale Fraser - NTSHF founding member; lead, NTSHF memorial brick program; former General Manager, Reynolds Electrical & Engineering Company, Inc.

Mark Hall-Patton - NTSHF Executive Committee; Administrator of the Clark County Museum system (including the Clark County Museum, Howard W. Cannon Aviation Museum, and Searchlight Community Museum); 30 years of museum experience working in institutions in California, South Dakota, and Nevada; past president, Nevada Museums Association

Peggy Hallerberg - NTSHF founding member; NTSHF Development Committee; former executive with EG&G, Inc. and associated with NTS programs for over 40 years

James Holt - Chair, Relocation Project Oversight Committee; former President and General Manager, National Security Technologies, LLC; former Associate Director, LANL

Thomas O. Hunter - NTSHF National Advisory Council; NTSHF Relocation Project Oversight Committee; former President and Director, Sandia National Laboratories; from 2011-2016, served as Chairman of the Ocean Energy Safety Advisory Committee, established to advise the Secretary of Interior on off-shore energy safety

Mark W. Martinez – President, MSTs; 23 years at LLNL, most recently leading as Vice President and Principal Associate Director for Operations and Business; served as senior test director for LLNL experimental activities at the NTS

Cory Mazzola – NTSHF Development Committee; Executive Fellow, Tuck School of Business at Dartmouth College; Management Instructor, SANS Institute; Co-Chair, International Museum of Science & Technology Exhibition; former Executive Director, Global Cyber Security, Sands Corporation; Global Manager, Security Programs and Strategic Services, Mandiant/FireEye, Inc.; developed and taught cyber security courses at the University of Maryland

Brian McAnallen - Chair, NTSHF Government Affairs Advisory Committee; Government Affairs Director, American Medical Response; former principal, Office of Philanthropic Initiatives, City of Las Vegas; formerly with Porter Group, a Washington, D.C.-based bipartisan government affairs and advocacy firm; former Government Affairs Manager, City of Las Vegas; former Vice President of Government Affairs, Las Vegas Metro Chamber of Commerce; and former Director, Legislative Affairs, CenturyLink.

Robert A. Savoie – CEO, Geocent, a national information technology and engineering services company, headquartered in Metairie, LA; former CEO, Science & Engineering Associates; serves on Boards of Directors, National World War II Museum, Loyola University, and the University of New Orleans

Harry Steinke – NTSHF Development Committee; President, VisX Corporation, providing support services in the areas of mission execution, program integration, program management, process improvement, business operations, and strategic planning; previously, AECOM Vice President, Federal Services Group for Strategic Development

Robert Stoldal – NTSHF Development Committee; Chair, Nevada State Museum and Historical Society; Chair, City of Las Vegas Historical Preservation Commission; Charter Board Member/Vice Chair, Preserve Nevada; Vice Chair, Board of Directors, Mob Museum; Board Member, Nevada State Commission on Cultural Affairs

Ernest B. Williams – NTSHF founding member; former budget officer and engineering technician, DOE

Nevada Operations Office; former member, USAF

Peter Zavattaro – NTSHF founding member; NTSHF Executive, Finance and Development Committees; former President, EG&G Energy Measurements, Inc.

Emeritus

Tom Axtell – Former NTSHF Trustee; General Manager, KLVX-TV (PBS), Channel 10, Las Vegas, **Joseph Behne** – Former NTSHF Trustee; former NTS Test Director, LLNL

Ronald L. Kathren – Former NTSHF Trustee; Past President and Life Fellow of the Health Physics Society; Past President, American Academy of Health Physics

Stephen Mellington – Former NTSHF Trustee; former Manager, DOE Nevada Field Office; former Assistant Manager for Environmental Management, DOE Nevada Operations Office

Dominic J. Monetta – Former NTSHF Trustee; President, Resource Alternatives, Inc.; former DOE Assistant Secretary

Jay H. Norman – Former NTSHF Trustee; former DOE Nevada Field Office Deputy Manager; former LANL scientific manager

John Thorndal – Former NTSHF Trustee and founding member; Partner, Thorndal, Armstrong, Delk, Balkenbush & Eisenger, Las Vegas, NV

Alvin Trivelpiece – Former NTSHF Trustee; former Director, Oak Ridge National Laboratory; former Executive Officer of the American Association for the Advancement of Science; former Director, DOE Office of Energy Research; former Vice President, Martin Marietta Energy Systems; former President, Lockheed Martin Energy Research Corporation

Ex-Officio Members

John C. Benner – Former executive, MSTs; former LANL scientific executive for 25 years, leading the organization responsible for managing all weapon systems activities

Mary Beth Hartleb – Founder & CEO, Prism, HR Global Management Group LLC; her career spans over 30 years in the human resources field working for Fortune 500 companies while developing human resource departments for smaller, entrepreneurial ventures; experienced in various industries,

including gaming, restaurant management, education, telecommunications, broadcasting, engineering and nonprofits

Rick Higgs – Resident Manager, LLNL Joint Laboratory Office Nevada; 35 years of weapons program and nuclear testing experience, including 25 years supporting the NNSs missions at both DOE Nevada Field Office and DOE's Pantex facility, Amarillo, TX

Darwin J. Morgan – NTSHF founding member; Director, Office of Public Affairs, DOE NNSA's Nevada Field Office since 1989; prior to joining DOE, served as reporter, anchor and assignment editor for KVBC-TV, Las Vegas, NV from 1964 to 1989; KBIM-TV, Roswell, NM from 1980-81; and KAUZ-TV, Wichita Falls, TX, from 1981-1984

Peter Ross – NTSHF founding member; Assistant Vice President Campus Planning and Physical Plant, Desert Research Institute, the environmental research arm of the Nevada System of Higher Education

Scott Traeger – Manager, LANL Joint Laboratory Office Nevada/Nevada Operations Manager; long-time NTS/NNSs engineer and technical manager; and former technical manager, DOE Nevada Field Office

Posthumous Emeritus

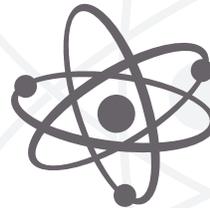
Nelson Cochrane - Served in key NTSHF leadership roles for over 10 years, including Chair, Vice Chair, and various committee assignments; former NTS historic consultant with MSTs and served as high-level technical manager with EG&G, Lockheed-Martin Nevada Technologies and National Security Technologies, LLC at the Nevada Test Site for over 30 years

Charles F. Costa - NTSHF Executive & Governance Committees; Chair, NTSHF Exhibit Committee; scientific consultant, Mission Support & Test Services (MSTs), LLC; former Test Director, Los Alamos National Laboratory (LANL); and Captain (Ret.) US Public Health Service

Troy E. Wade - NTSHF Chair Emeritus and founding member; former DOE Acting Assistant Secretary for Defense Programs; former Manager, DOE Idaho Operations Office; former Deputy Manager, DOE Nevada Operations Office

MUSEUM STAFF & CONSULTANTS

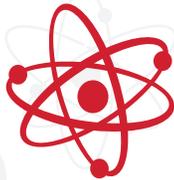
- 1 **Michael Hall**, Executive Director
- 2 **Parker Arcchi**, Curator
- 3 **Jennifer Dimmick**, Store Manager
- 4 **Amanda Haas**, Education Assistant
- 5 **Joseph Kent**, Director of Education
- 6 **Gillian Riggleman**, Development Coordinator
- 7 **Alex Vlasyuk**, Museum Technician
- 8 **Rozinnia Stambek**, Assistant Store Manager
- 9 **Andrew Dimmick**, Online Store Supervisor
- 10 **Carol Billigmeier**, Store Cashier
- 11 **Benjamin Dush**, Admissions Cashier
- 12 **Megan Gilbert**, Admissions Cashier
- 13 **James Hall**, General Assistant
- 14 **Antonio Sanchez**, Cashier and Inventory
- 15 **Christine Winteler**, Admissions Cashier
- 16 **Elizabeth Borngesser**, CPA
- 17 **James Gatling**, Relocation Project Management
- 18 **Mary Beth Hartleb**, HR and Development
- 19 **Torey Hodges**, Social Media and Web Master
- 20 **Lee Evan Ortiz**, IT



MUSEUM VOLUNTEERS

Zander Aab
Carmen Agudo
David Barber
Chuck Costa
Dale Cox
Martha DeMarre
Zorel Deustua
Jack Doyle
Jacob Fales
Quinton Gibson
Tristan Gorst
Alan Guzman
Mike Heiner
Joey Hurewitz
Lynda Israel
Mike Lukens
Starr Martinez
Liz Mijares
L.J. Modico
Alexis Santiago
Moran
Darwin Morgan
Jared Morgan
Kris Morris
Adam Noorani

Liz Palagi
Dick Reed
Cathy Sellmann
Jeffrey Siano-Nay
Julien Sierski
Jorge Valadez
Rod Walker
Ernie Williams
Diane Zapach



The NATM's incredible group of volunteers and interns pose for the camera following the Volunteer Appreciation Luncheon in December.



Admissions Cashier Christine Winteler in full Einstein garb for the Nevada Day/Halloween celebration.



Docent Rod Walker leads a group of scouts through the museum to help them earn their Nuclear Science Merit Badge.



FINANCE REPORT JANUARY - DECEMBER 2021

INCOME

Museum Admissions	383,250
Museum Store Sales	212,588
Membership	25,785
Donation	652,130
Grants**	380,401
Other Income***	305,567
In-Kind Contribution DOE Rent & Utilities	493,161
Total Income	\$2,452,882
Cost of Goods Sold	\$79,922
Gross Profit	\$2,372,959

EXPENSES

Payroll Benefits	1,038,833
Advertising	22,134
In-Kind Rent & Utilities	493,161
Bank & Credit Card Fees	25,306
Depreciation	33,653
Exhibit Expenses	4,443
Memberships & Subscriptions	7,430
Office & Supply Expense	34,185
Software/Hardware/Training/Website	45,463
Insurance	24,461
Interest Expense	8,424
TOTAL EXPENSES	\$1,737,492
NET INCOME	\$635,468

*Figures stated in this report are as yet unaudited and are subject to revision due to potential changes in estimates and accounting rule adjustments.

** Grants - The museum received \$365k from the SBA Shuttered Venue Operators Grant, \$10k in Nevada PETS Grant, and \$5k in SBA Supplemental Targeted Advance.

*** Other Income includes forgiveness of the 1st PPP Loan of \$141k and the 2nd PPP Loan of \$131k.



BALANCE SHEET

ASSETS

Checking/Savings	1,266,734
Accounts Receivable	223,580
Other Current Assets	5,878
Fixed Assets	124,816
Inventory Store	51,884
TOTAL ASSETS	\$1,672,892

LIABILITIES AND EQUITY

Current Liabilities	78,269
EIDL Loan	160,000
Total Liabilities	\$238,269

NET ASSETS

Net Assets - Without donor restrictions	956,527
Net Assets - Donor restrictions	478,095
TOTAL NET ASSETS	\$1,434,622
TOTAL LIABILITIES AND NET ASSETS	\$1,672,892

Director of Education Joseph Kent shows guests how a Geiger Counter works during the Nevada Day/Halloween celebration.



COMING UP IN 2022

- The arrival of permanent and temporary exhibits, such as “The Bomb Without the Boom,” an exploration of the Stockpile Stewardship program, “Equipping Our Everyday Heroes,” a display spotlighting the equipment that the Department of Homeland Security’s Science and Technology Directorate develops for our nation’s First Responders, and a joint exhibit with the Department of Energy’s Office of Environmental Management highlighting their efforts over the last 30 years to clean up the United States’ nuclear sites.
- The Distinguished Lecture Series 2022 lineup featuring Dr. Loren Lerner, Professor Emerita at Concordia University; Dona Crawford, former Associate Director of Computation at Lawrence Livermore National Laboratory; Angela Sheffield, Senior Program Manager of the National Nuclear Security Administration’s Defense Nuclear Nonproliferation R&D; 3rd Annual Survivor Testimonial in collaboration with the Hiroshima Peace Memorial Museum; and many more!
- New themed STEM Camps for middle school students that include activities and demonstrations performed by NATM’s community partners, including the Desert Research Institute, UNLV’s Tech Trekker (sponsored in part by the Nevada National Security Site), and The Coder School!
- Monthly STEM events in partnership with the Nevada National Security Site that offer high school students the opportunity to watch presentations and demonstrations led by STEM professionals representing the site and national laboratories. Lunch and guided tours of the NATM’s main gallery will also be provided.
- **Regular updates and improvements to the NATM’s website and online store.**



Attendees watch a dance performance as part of the NATM's Legacy of Martha Graham & Erick Hawkins event in partnership with UNLV's College of Fine Arts and Department of Dance.



Director of Education Joseph Kent gives a presentation at the meeting of the Las Vegas After Hours Rotary Club.

A flyer for a webinar. On the left, there is a graphic with the text: "Dec 2", "An Evening with James McConnell", "Associate Administrator for Safety, Infrastructure and Operations", "When: 6:00 PM to 8:00 PM", "Where: LIVE on ZOOM", and "Cost: FREE". On the right is a portrait of James McConnell, a man with glasses and a mustache, wearing a suit and tie.

Flyer promoting the Distinguished Lecture webinar featuring the National Nuclear Security Administration's James McConnell.



*Dr. Victoria Phillips, author of **Martha Graham's Cold War: The Dance of American Diplomacy**, signs a copy of the book for a fan following her Distinguished Lecture.*



Members of the Red Hat Society prepare to experience the NATM's Ground Zero Theater.



Docent Mike Heiner speaks with visitors from the Department of Energy's Underground Nuclear Weapons Testing Orientation Program during their walkthrough of the museum.

OPERATION BUILDING FUND

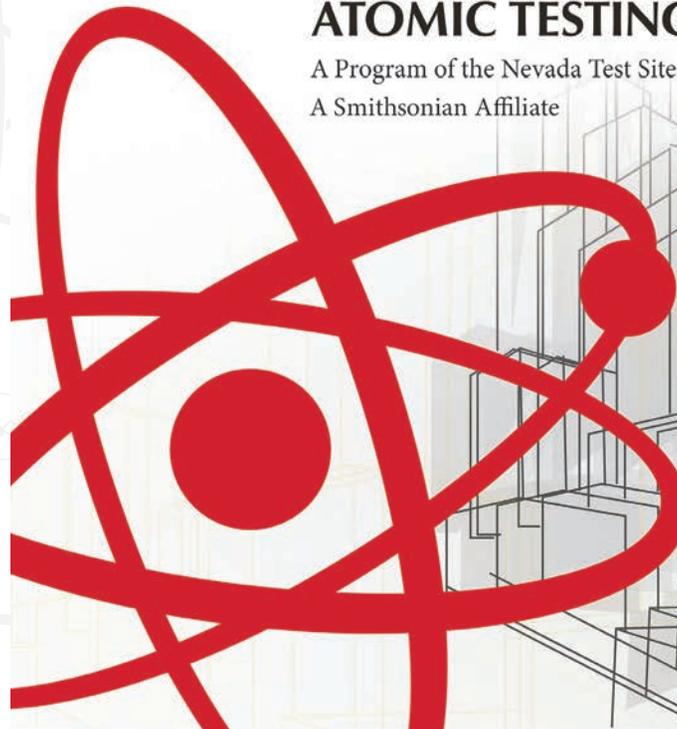
Help the National Atomic Testing Museum (NATM) continue its rich legacy! Please contribute to our exciting building fund! Round up your purchase in the museum store or donate today! We look forward to seeing our magnificent museum expand, and we thank you for your support and investment in the NATM's bright future.



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A Program of the Nevada Test Site Historical Foundation

A Smithsonian Affiliate



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