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DEAR FRIENDS,

Leadership comes in many forms.

A leader can be someone who guides a team to perform at its very best. It can be someone who sets an example for others to emulate. Leadership inspires people and teams to aspire and reach new heights.

I am so proud to have watched the team at the San Diego Air & Space Museum over the past years – and every day – exhibit a standard of leadership unmatched in our region and in all of the wonderful institutions in our beloved Balboa Park, truly the crown jewel of San Diego.

I’ve witnessed our wonderful guest experiences team, our docents and volunteers, create a one-of-a-kind experience for our visitors.

Our curators have constructed, created, collected and cared for our collections and exhibits in a way only they truly can.

Our Library & Archives continues to follow its mission to create the largest, most well documented, accessible and digitized collection of its kind in the world.

Our events team remains committed to executing exciting, elevated, and exceptional experiences for our honored guests.

The education team has inspired on a daily basis a record number of young men and women to explore the futures of science, technology, engineering and math, creating paths to future careers in aviation and space excellence.

Our senior staff and so importantly, our Board of Directors, has remained strong, stable and supportive, always there to guide and support our entire team.

The Museum’s leadership extends beyond re-opening and operating the Museum seven days a week every day, but to our vision for the future. Our Galileo: Space Visionary special exhibition made its debut in North America right here in our building. And we’ve already paved the way for the future, lining up special exhibitions in 2023 and 2025. (We have a surprise for 2024, but we’ll share more later).

In 2023 we’ll host Above and Beyond (title subject to change), an exploration of the future possibilities of aviation and space exploration and innovation. And the ever-popular DaVinci experience returns in 2025, but with a renewed focus on his vision for the future of aviation and exploration.

We are exceptionally grateful for your guidance and support. We are fortunate to have you along for the ride. I know I have said this before: We couldn’t do this without you. We do it for you. We do it because of you. And, most importantly, we do it WITH you.

Thank you for helping us lead the San Diego Air & Space Museum into the future and for continuing to help us make “Memories Worth Repeating.”

JAMES G. KIDRICK
PRESIDENT & CHIEF EXECUTIVE OFFICER
The San Diego Air & Space Museum's GALILEO: Space Visionary special exhibition.
ABOUT THE MUSEUM

The San Diego Air & Space Museum (SDASM) is a 501 (c)(3) non-profit charitable organization. Established in 1961, SDASM in 1981 was the first aero-themed museum accredited by the American Association of Museums (now the American Alliance of Museums). The Museum is only the twelfth institution in California awarded Smithsonian Affiliate status.

In 2007, the museum was designated by the California State Legislature as California’s official Air & Space Museum and Education Center. The Museum is known throughout the world for its collection of extraordinary and historically significant aircraft, spacecraft and research materials.

More than 120 aircraft and space vehicles are on exhibit at the Museum’s locations in Balboa Park and at the Gillespie Field Annex in El Cajon. The exhibits include rare and unique aircraft, engines, instruments, models and equipment, as well as aviation-related medals, trophies, art, uniforms and spacesuits. More than two million artifacts allow visitors to immerse and engage in a rich array of stories from the lives of the men and women who changed the world of flight and space exploration.

The Museum’s Library & Archives houses one of the most significant collections of air and space-related research information and documentation in the world. These holdings are the second largest such collection in the United States and described on page 25. The Library & Archives actively encourages use of its research materials to enhance the public’s education within the aviation and space history and technology fields. It also supports the Museum’s curatorial, education and restoration staffs, as well as its corps of volunteers.
VISON
The San Diego Air & Space Museum, one of the world’s premier air and space-themed science centers and museums, inspires our next greatest generations to achieve excellence by challenging their innate human pioneering spirit and encouraging necessary risk-taking required to achieve global innovation success.

MISSION
PRESERVE significant artifacts of air and space history and technology.
INSPIRE excellence in science, technology, engineering and mathematics.
EDUCATE the public about the historical and social significance of air and space technology and its future promise as a pathway to advanced innovations.
CELEBRATE aviation and space flight history and technology.

VALUES
The San Diego Air & Space Museum adheres to impeccable professional standards as it preserves, interprets, educates and shares its rich aviation and space resources:
• To act as exceptional stewards on behalf of the general public and earn the trust of our donors and members by caring for our collections. Interpret our collections accurately and use society’s generosity in a beneficial manner conducive to the spirit of excellence on behalf of the common good.
• To inspire an interest in science, technology, engineering, mathematics and innovation, as well as history. Inspire the necessary risk-taking in future generations to ensure continued exploration of the outer bounds of what can be.
• To educate through public outreach and engagement.
• To honor the legacy of aviation and space flight technology and the men and women who forged the path for others to emulate.
• To ensure a diversity of cultures, races, ethnicities, genders, political and religious beliefs, physical and learning differences, sexual orientations and identities thrives through its events, collections and exhibits. The Museum is committed to creating a welcoming and inclusive environment that celebrating San Diego’s diverse community. Advancing the Museum’s commitment to the values of diversity and inclusion is a key component of SDASM’s long-range vision to ensure diversity of thought, experience and approach is represented in our Board of Directors and staff and that members of the San Diego community have access to the opportunities and the support of the resources of the Museum.
The interior of the Ford Trimotor in the Museum’s Pavilion of Flight has been expertly restored to near original quality.
Charlie Duke visiting the launch pad with Dotty, Charles and Tom a few days before blast off.
Each year, the Museum augments its extensive day-to-day offerings and annual International Air & Space Hall of Fame Gala with a wide range of special events, celebrations and tributes in support of its mission to preserve, inspire, educate, inspire and celebrate with the world recent and past achievements and milestones in aviation and space exploration. Notable recent one-of-a-kind celebrations at the Museum, drawing audiences from around the world, include numerous celebrations of the incredible accomplishments of NASA’s legacy Apollo program, with special appearance by famous astronauts and members of the International Air & Space Hall of Fame such as Buzz Aldrin (Apollo 11), Bill Anders (A8), Gene Cernan (A10 and A17), Charlie Duke (A16), Fred Haise (A13), Jim Lovell (A13), Jim McDivitt (A9), Rusty Schweickart (A9) and Dave Scott (A9 and A15).
Apollo 15 Commander Dave Scott.

AN EVENING WITH CHARLIE AND DOTTIE DUKE

More than 200 special guests were provided an intimate look into Charlie and Doty Duke’s experiences during the Apollo 11 and 16 missions to the Moon at the San Diego Air & Space Museum during a private evening in July 2021.

Duke, the Lunar Module Pilot and moonwalker during Apollo 16, is also known as the voice of mission control as the Capsule Communicator (CAPCOM) for the historic Apollo 11 moon landing on July 19, 1969, during which Michael Collins, Buzz Aldrin and Neil Armstrong were the first men on the Moon’s surface.

Charlie and Dotty shared stories about their family’s lives during the Apollo missions, including how the families of every astronaut gathered at each other’s homes. Charlie is also famous for leaving a photograph of him, Dotty, their two young sons, Thomas and Charles and himself on the Moon during one of his three moonwalks during the Apollo 16 lunar landing in April 1972.

“We are incredibly fortunate to have such a special relationship with Charlie and Dotty Duke and so many of the other luminaries from the golden age of the iconic Apollo missions,” said Jim Kidrick, President & CEO of the San Diego Air & Space Museum. “From our Apollo 8 celebration with Bill Anders last December, to our Apollo 9 celebration in March with Astronauts Jim McDivitt, Dave Scott and Rusty Schweickart and Flight Directors Gerry Griffin and Gene Kranz, the San Diego Air & Space Museum is the premier place to be during our celebration of 50 Years of Apollo.”
Apollo 15 Commander Dave Scott.

Cmdr. Dean ‘Diz’ Laird

Col. Clarence E. “Bud” Anderson
TWO WORLD WAR II ACES TAKE FLIGHT ONCE MORE

The Museum was also honored to support and document a truly memorable event in June 2022 when World War II fighter aces Clarence E. “Bud” Anderson (100) and Dean “Diz” Laird (101) -- who are both also members of the prestigious International Air & Space Hall of Fame at the Museum -- lived their dream by flying one last time in a historic Stearman biplane over their beloved hometown of Auburn, California.

Imagine going to high school in rural Northern California with a classmate during the depression, becoming a fighter Ace during World War II, then meeting as dear old friends for a flight from your local municipal airport in one of the planes you learned how to fly in, years later when you are both over 100 years old.

**The stuff of dreams, right?**

Two famous members of the prestigious International Air & Space Hall of Fame at the San Diego Air & Space Museum – Clarence “Bud” Anderson (100) and Dean “Diz” Laird (101) – did just that when they took to the skies again in a historic Stearman biplane over their hometown of Auburn, California in June 2022.

Laird is the only fighter pilot to shoot down enemy planes in both the European and Pacific Theaters during World War II, earning the moniker of “Ace of Two Oceans.” Anderson is a triple ace, having flown his venerable “Old Crow” Mustang in the effort to free Europe from Nazi occupation. Their mutual lifelong love of aviation still unites them today despite living miles away (Bud in Auburn northeast of Sacramento, Diz in Walnut Creek near California’s east San Francisco Bay.)

During their memorable flights, both men soared above the skies of their hometown for 35 to 40 minutes on a picture perfect Northern California day, reliving memories nearly 80 years in the making as their families, friends and loved ones cheered. Neither man was at the controls of their plane (though Anderson did briefly pilot his Stearman). The pilot from Dream Flights, which supplied the biplane, alternately guided them into the sky as they sat in the front of two cockpits, with the wind swirling through their open cockpit.

“It’s wonderful this happened. They’re true American heroes,” said James Kidrick, President & CEO of the San Diego Air and Space Museum, and a former Naval Aviator who has known the two aces well over the years. “They’re shared a sort of swan song that was truly memorable, and more importantly, a lot of fun.”
INTERNATIONAL AIR & SPACE HALL OF FAME

The Most Prestigious Hall of Fame in the World!

Since 1963, the International Air & Space Hall of Fame at the San Diego Air & Space Museum has honored the world’s most significant pilots, crew members, visionaries, inventors, aerospace engineers, business leaders, preservationists, designers and space explorers.

Famous legends such as the Wright Brothers, Charles Lindbergh, Neil Armstrong and Amelia Earhart, are honored in the hall, as well as NASA Mercury, Gemini and Apollo astronauts and luminaries who changed the world forever through their adventurous spirit.

To see the entire list of the world’s greatest air and space adventurers, visit:

SANDIEGOAIRANDSPACE.ORG/EXHIBITS/ONLINE-EXHIBIT-PAGE/INTERNATIONAL-AIR-SPACE-HALL-OF-FAME

The Distinguished International Air & Space Hall of Fame Classes of 2020 and 2021.
The Education team continued their involvement with School In The Park, welcoming 1,000 students from the City Heights area in FY22.
EDUCATION

The Museum’s Education Department creates project based learning experiences for explorers of every age. The curriculum focuses on STEM (Science, Technology, Engineering, and Math) related to aviation and space. Highlights include colonizing the moon, pondering the future of flight and introducing robots and coding to students.

SCHOOL IN THE PARK

As the Museum emerged from COVID, we welcomed back field trips, outreaches, ground school and birthday parties. The Education team continued their involvement with School In The Park, welcoming 1,000 students from the City Heights area in FY22. Classes are a blend of formal and informal using the museum as a backdrop for engineering challenges.

Our preschool program, Little Engineers, returned with Storybook Engineers and Taste of Science classes for over 250 participants. The Museum’s Engineering competition “Fly your Ride” returned with 85 teams competing in the challenge to launch vehicles designed to transverse an ever widening gap. The Education Department was also able to sponsor family days to teach the community about Legends of Engineering, the Future of Flight and all things Space. This year we also attended local festivals to promote the wide world of Aviation and the Museum.

In FY22, the Museum offered 128 educational programs teaching 5,349 students. This was a 41% increase over the previous year and a 57% increase in participants. The department will continue to promote programs as schools return to field trips and special programming in the coming year.

In addition, the museum launched an afternoon enrichment program focusing on moon colonization to the students at Golden Hills Elementary School. These colonizers explored habitats, farming, spacesuits, rockets, rovers, alternative energy and more as they tackled challenges NASA is currently trying to solve. The program served 44 students in a 17-week program that met for an hour a day either before or after school.

This summer the Museum offered a variety of summer camps to over 200 campers. Our half day camps at the Museum served grades TK-12 in camps ranging from Astro“tots”, to G.I.R.L.S in Engineering, to Aviation Simulation. The campers used high tech tools for hands-on learning. Along the way, the Museum introduced diverse role models and working on executive function skills such as collaboration, innovation and perseverance. The Museum also participated in “Level Up Summer” with 10 two-week camps for San Diego Unified students, serving over 200 students. Highlights include Destination Mars, Astronauts in Training and Aviation Experience at our Gillespie Field Annex.
EXHIBITS

SPECIAL EXHIBITION - SAN DIEGO’S NEWEST!
In March 2022, a new special exhibition, GALILEO: Space Visionary, opened and runs until January 2023. Galileo Galilei was an Italian astronomer, physicist and engineer who has been called the “FATHER” of observational astronomy, physics, the scientific method and modern science.

The GALILEO: Space Visionary special exhibition is a hands-on, interactive exhibition engaging visitors by revealing the secrets of Galileo’s groundbreaking science through interactive experiments and displays. Key features of the exhibition include over 65 displays, historic documents and young experimenters STEM lab. *Expertly handcrafted in Italy, this is its first debut in North America.*

For the upcoming year, the Museum is bringing Above and Beyond, an exploration of the future possibilities of aviation and space exploration and innovation, opening February 2023.

ONLINE EXHIBITS
In addition to our galleries, the Museum strives to reach a remote and distant audience through online exhibits. During the year, the Museum launched six online exhibits to reach a larger community and to spotlight items from the collections, which currently aren’t on display.

CHARLES R. “CHUCK” FAUST
World-renowned San Diego artist, architectural design director for the SD Zoological Society and long-time board member for the San Diego International Air & Space Hall of Fame, featuring his aviation-themed bas-relief sculptures, sand castings, drawings and paintings.

NORMAN HOWARD CASSON
Classically trained pianist and big-band conductor, Casson enjoyed a highly successful six-decade career in aerospace engineering and is best known for his significant contributions to the Apollo Project.

BOEING 314 FINAL DESTINATION
San Diego: Pan American Airways was once the largest airline in the world and during its heyday in the 1930s, offered the most luxurious and comfortable air passenger service on their famous “Clipper” flying boats.

NATIVE AMERICAN WOMEN IN AVIATION
In honor of Native American Heritage Month, the San Diego Air & Space Museum launched a new online exhibit celebrating Native American women in aviation.

THE POLAR EXPRESS BY AIR
A look back at those daring aviators who have tried to replicate Santa’s yearly trip from the North Pole. The history of Polar exploration by air is one full of daring and danger.

USS LANGLEY 100TH ANNIVERSARY EXHIBIT
Celebrating the 100th anniversary of the first U.S. aircraft carrier. This exhibit tells the story of the USS Langley commissioned in 1922 and 100 years of Navy Aircraft Carriers.
RESTORATION

The Museum maintains a robust Restoration Department, consisting of highly skilled and dedicated volunteers who contribute their valuable time to the restoration and creation of the Museum’s most important artifacts. Many of the volunteers are former professionals from aerospace companies in the San Diego region. Others are from different professions who are willing to learn the requisite skills needed to build and restore aircraft, ranging from simple gliders to complicated space vehicles.

The quality of the Museum’s Restoration Department is nationally recognized and noted by its work for the National Museum of Naval Aviation and the Smithsonian’s National Air & Space Museum. The Restoration Department contributes to the Museum’s ongoing efforts to create and maintain evocative, life-like exhibits. Restoration projects are worked on at the main Museum site in Balboa Park and also at the Gillespie Field Annex in El Cajon. Currently, there are four projects underway between the two locations: Hughes H-1 Racer, Boeing FB-5, Aeronca L-3 and the Wright Flyer.

In Balboa Park, the Museum continues with the creation of Howard Hughes’ famous H-1 Racer. This complicated project requires the volunteers tackle the intricacies of the cockpit and wing attachment. Work also continues on the Museum’s Wright Flyer as volunteers repair structure aging and re-cover the fabric wings.

HUGHES H-1 RACER

Over the past couple of years, the Museum has undertaken an ambitious restoration project to build a full scale, short-wing version of the Hughes H-1 Racer. The Racer was designed and built in 1935 by Howard Hughes and Glen Odekirk for the specific purpose of capturing the land-based speed record. This one-of-a-kind airplane was donated to the Smithsonian National Air & Space Museum (NASM) by Hughes Aircraft. There are no original design drawings, and the Museum is using a reverse-engineering approach from measurements taken of the original H-1 Racer at the NASM. To-date, the fuselage and wings are near completion.

WRIGHT FLYER

The Museum’s long-term plan has been to return 1903 Wright Flyer on display. The Flyer was taken to Gillespie Field where restoration commenced and quickly ended with the onset of the pandemic. Work recently began anew and will continue at the main museum site in Balboa Park on the gallery floor. The Museum anticipates completion in early 2023.

ENGINE SHOP

The volunteers in the engine shop have been busy on several projects this year. They include the Jacobs cutaway radial engine for display at Gillespie, a Ranger 6-440 inline engine restored for display on the Museum floor, a Continental A-75 4-cylinder engine for the L-3B restoration project, two Continental engines, as well as a project for Camp Pendleton (a transmission for USMC ground vehicles). They are currently working on a Heath Henderson 4-cylinder engine and vintage gas pump for the Spirit of St. Louis exhibit.
LIBRARY & ARCHIVES

The Museum’s Library & Archives (L&A) houses the nation’s largest private, nonprofit collection of its type. The Museum is known worldwide for its highly successful, continuing efforts to offer its collections for education and research purposes, both on-site and digitally. The L&A is an essential and important worldwide resource for aviation authors, historians, researchers and the general public. With more than 440,000 digitized photos, films and documents now online, the L&A is the largest source anywhere in the world for aviation and space.

In FY22, the Museum’s Library & Archives answered over 12,927 remote information requests via telephone, mail, and email from around the world, including Russia, United Kingdom, Australia, Austria, Norway, Canada, The Netherlands, and France.

Since 2010, the Museum has made digitizing its collections a priority to reach a larger global audience and to raise awareness of its holdings. To date there are over 440,000 digital assets online available to the public. These assets include photos, films, historic documents and newsletters. Each year the Museum adds, on average, 20,000 new assets to its online cache through the use of various internet platforms such as Flickr, YouTube and the Online Archives of California (OAC).

The Museum’s digitalized photos and film offered on Flickr and YouTube have received a large following over the years with our Flickr site receiving over 27 million views and YouTube receiving 632,000 views this year alone. For materials that have not yet been digitized, detailed listings and descriptions are created to enable discovery by the public. These listings are available on the Museum’s website at:

SANDIEGOAIRANDSPACE.ORG/RESEARCH/RESEARCH-OVERVIEW

For the L&A’s efforts to increase public awareness of its digitized collections on Flickr, it received the prestigious Philip M. Hamer and Elizabeth Hamer Kegan Award. The Museum will be honored at an awards ceremony held at the SAA Annual Conference in Boston, Massachusetts in August 2022.

To further expand engagement with the community and increase visibility with a global audience, the staff created six online exhibits and six artifact spotlights, achieving over almost 4,000 views. Efforts continue this coming year to add more content online through our digitization efforts and interpreting and spotlighting items from the collection.

OPEN FOR RESEARCH

During the year, the Library & Archives staff fully processed the substantial library of noted author David Myhra. A U.S.-based author and researcher, Myhra actively published from 1980 to the present more than 130+ books and dozens of eBooks and articles on varied historical topics. The collection includes manuscripts, interviews with aircraft builders & airmen and dozens of binders filled with aircraft photographs, original and copied wartime reports and a wide variety of ephemera related to WWII aviation.
COLLECTIONS

The Museum manages and preserves more than 120 aircraft and tens of millions of related artifacts and archival materials. Collection staff from curatorial, restoration, and L&A have collaboratively worked together to make significant progress in assessing inventory, reorganizing storage areas and rehousing artifacts and archival materials. This effort has been important in gaining better intellectual control over the collection and freeing up much needed storage space.

AIRCRAFT

The collection continues to grow, and during the year, staff processed 103 new donations of artifacts, art, archival materials, and aircraft, an increase of 27% from the prior year.

In November 2021, the Museum took possession of a Vietnam War era Bell UH-1V “Huey” helicopter. The machine was declared surplus by the California Department of Forestry (CDF) after having been deployed for many years as a fire spotter. The federal government’s General Services Administration (GSA), in their capacity, awarded the aircraft to the Museum. This “Huey” saw combat in Vietnam as a UH-1H “slick”, serving in D Troop (Air), ¾ Cav, 25th Infantry Division, the “Centaurs”. On return to the U.S., it was converted to a UH-1V, serving in the California Air Guard, and finishing its service life with CDF.

The Museum also received NASA’s rare S-3B, the last flight-worthy “Viking” in the world. Originally designed by Lockheed Martin for the U.S. Navy as an anti-submarine warfare (ASW) aircraft, the Viking was put out of active service by the U.S. Navy in 2009. NASA’s S-3B Viking was completely reconfigured in 2006 for flight research purposes. The Viking was outfitted with civilian avionics, GPS, and satellite communications systems to conduct flight communications research.

Both the UH-1V and S-3B are on display at the Museum’s Gillespie Field Annex. Other aircraft donations for the year include a Rutan Long-ez and Glasair.
ARTIFACTS

Parachute wedding dress: At the end of WWII, Charles “Chuck” Martin was on a training flight when the Consolidated B-24 Liberator he was flying crashed. He was able to survive the crash by successfully parachuting to the ground. He quickly had the idea of saving the parachute for his bride, who he met soon after his discharge and married in 1946. Carolyn took the nylon parachute and, using her sewing skills created a beautiful and very meaningful wedding dress for herself. In August of 2021, just before their 75th anniversary, Chuck and Carolyn’s daughter donated the wedding dress to the Museum to preserve their story of combat, survival and love.

Emilio Carranza altimeter: In April 2022, the San Diego Air & Space Museum met with representatives of the family of Captain Emilio Carranza to donate the altimeter flown on Carranza’s 1928 “Goodwill Flight” from Mexico City to Washington D.C. Captain Emilio Carranza is arguably the most significant Mexican aviator and his plane for this flight was built in San Diego. The altimeter was recovered from the wreckage of his plane, the Mexico-Excelsior, by locals and returned to the family 67 years later. In continuance of Carranza’s “goodwill gesture,” the family donated the altimeter and several other family pieces to the Museum to share the story with the community.

Lindbergh painting: The Museum received a significant painting of Charles Lindbergh’s nonstop, transatlantic flight from San Diego to New York. In April, Grace Feight donated, “The Dawning” by artist Keith Ferris, to the Museum. Purchased by her husband, Robert Arlyn Feight from the artist himself, the oil painting shows a beautiful morning sky, welcoming Lindbergh’s Spirit of St. Louis on May 21, 1927 as he finishes his journey. The artist, Keith Ferris, is a founding member of the American Society of Aviation Artists and has artwork in numerous museums, including the Smithsonian, the Pentagon, U.S. Air Force Academy and many others.

ARCHIVAL MATERIALS

In the Summer of 2021, the Museum’s Library & Archives received a new donation of Lillian Boyer’s Personal Papers. The collection contains photos and documents pertaining to Boyer’s time as a stunt performer. Materials are available for research and have been digitized and can be viewed on the Museum’s Flickr site.
Oil painting on canvas, entitled "The Dawning" by artist Keith Ferris.
The Museum’s Gillespie Field Annex, El Cajon, California.
The Museum’s El Cajon site serves as an additional exhibit and event space for its growing collections, as well as a restoration facility. Located at the northeastern corner of Gillespie Field, the site has two 20,000 square foot hangars, one for exhibits and the other for restoration projects. The facility is open to the public Tuesday through Saturday from 9 AM to 4:30 PM. There is a $5 admission fee for 12 years and older.

Aircraft on display include many examples of early aircraft, military jets, private sport aircraft and small racing planes displayed in Hangar One and outside along a taxiway leading to the airstrip. A jewel in the collection is Baron Hilton’s Staggerwing, acquired in 2021. Other rare aircraft include a Curtiss Robin, Ryan Vertijet, Convair F-102, North American F-86, to name a few. Two new additions to the collection are NASA’s S-3B Viking and a Bell Huey UH-1V, slated for future restoration.

The restoration shop, located in Hangar Two, is like the one at the main Museum site in Balboa Park, ONLY larger. It is staffed by highly skilled volunteers, who repair various historic aircraft and can build authentic aircraft from the ground up. Every Museum restoration project completes its journey at this location for paint and decals. The team is skilled in every aspect of aircraft construction on both early and modern aircraft. During the year, there were two projects underway, and near completion at Gillespie: the Boeing FB-5, the Navy’s first purpose built aircraft fighter airplane and the flyable Aeronca L-3.

The Boeing FB-5, a 1927 military fighter, was originally produced in small numbers for the U.S. Navy and Marine Corps. There are only five known to exist today and the Museum’s will be the best and most authentic when finished. Built in 1927, the Museum’s FB-5 was donated, consisting of a few miscellaneous parts, an engine shell, and a cooling radiator. The remainder of the aircraft components have been created by our volunteers in the restoration and machine shops at Gillespie Field and Balboa Park. All metal work on the fuselage is complete, the landing gear is attached, wheels and tires have been fitted, and wings have received fabric covering and stitching. It is now ready for the protective coating and painting process and will be completed in October 2022.

The crew at Gillespie Field also is moving closer to getting the Museum’s Aeronca L-3 back into the air, nearly 80 years after it was originally produced. The Museum’s L-3 “Grasshopper” was built in 1943 for the Army Air Corps, and was used as an observation and liaison aircraft during World War II. Following the war, it was acquired by civilian owners and deeded to the Museum in 2011. It is currently undergoing a complete restoration at Gillespie. The wings are covered, as is the fuselage. Interior work on the instrument panel, wiring, rigging, and finishing is near completion. Once done, the Aeronca will serve as the Museum’s flying ambassador at local airshows and other aviation events. Completion date is planned for October 2022, displayed in Hangar One.

With the finalization of the FB-5 and L-3 projects, the Museum continues restoration on its Beechcraft T-34 and Taylorcraft Piper in fiscal year 2023. Plans are also in development to restore our Huey UH-1 helicopter, added to the collection in 2021.

In addition to aircraft restoration, the Gillespie Field Annex is home to an elaborate model shop. Talented volunteers create museum-quality models from large-scale airliners to rockets and gliders. The Museum turns to the modelers when it is in need of large-scale models to represent aircraft too large to fit in the Balboa Park facility. This year the Model shop completed a C-47 model for the Museum’s glider exhibit and continues to build a 1/5 scale P-40E model for the Flying Tigers exhibit.
SPECIAL EVENTS

The Museum is home to one of San Diego’s leading special events venues. Widely-known for its exceptional third-party events, the Museum’s experienced Special Events team produces first-class corporate and personal occasions, each embracing the Museum’s ambiance, entertainment and education opportunities. The Museum offers an exclusive setting for reunions, conventions, holiday parties, corporate events, weddings, receptions, tradeshows and more.

ACCOMMODATIONS INCLUDE:

- SIT-DOWN DINNERS FOR 700
- STANDING RECEPTION/FOOD STATIONS FOR 1,500+
- STAGE, UP LIGHTING AND STATE-OF-THE-ART AUDIO-VISUAL SYSTEM
- TABLES, CHAIRS, BARS, COCKTAIL TABLES AND LINENS
- FULL ACCESS TO MUSEUM EXHIBITS
- INTERACTIVE FLIGHT SIMULATORS
- 3D/4D THEATER (ONE OF ONLY FOUR IN SAN DIEGO AND THE ONLY ONE IN BALBOA PARK)
- INTERACTIVE APOLLO ASTRONAUT THEMED PHOTO BOOTH
- PERSONAL DOCENT-LED TOURS
- FLIGHT PATH GRILL/OBSERVATION DECK
- FREE PARKING

Each year, the Museum’s Special Events team hosts between 100 to 120 of events, serving more 100,000 guests at its location in Balboa Park and its Annex at Gillespie field in El Cajon, one of the premier event spaces in Southern California. The Museum expertly hosts an ever-increasing range of special events, including, but not limited to, Corporate and Convention gatherings, Holiday Parties, High School Prom and Dances, Military Balls, Weddings and Receptions, Celebrations of Life, Tradeshows, Non-Profit Galas, Graduations, Bar and Bat Mitzvahs, Birthday Parties and more. The sky truly is the limit for the Events the Museum can host!

To learn more about hosting your next special event at the San Diego Air & Space Museum, call (619) 234-8291, Ext. 117.
**2022 ANNUAL REPORT — SAN DIEGO AIR & SPACE MUSEUM**

**FY 2022 FINANCIAL REVIEW**

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<td>62,831</td>
</tr>
<tr>
<td>Other revenue/old commission</td>
<td>47,825</td>
</tr>
<tr>
<td>Memberships</td>
<td>25,585</td>
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<tr>
<td><strong>Total Operating Revenue and Support</strong></td>
<td><strong>10,226,378</strong></td>
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<table>
<thead>
<tr>
<th>OPERATING EXPENSES:</th>
<th></th>
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<tbody>
<tr>
<td>Program services</td>
<td>5,668,139</td>
</tr>
<tr>
<td>Supporting services:</td>
<td></td>
</tr>
<tr>
<td>Management and general</td>
<td>1,266,003</td>
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<tr>
<td>Fundraising</td>
<td>494,317</td>
</tr>
<tr>
<td><strong>Total Operating Expenses</strong></td>
<td><strong>7,428,459</strong></td>
</tr>
<tr>
<td><strong>Increase in Operations</strong></td>
<td><strong>2,797,919</strong></td>
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<table>
<thead>
<tr>
<th>NON-OPERATING REVENUE:</th>
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<tbody>
<tr>
<td>Investment loss</td>
<td>(250,944)</td>
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<tr>
<td><strong>Increase in Net Assets</strong></td>
<td>2,546,975</td>
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<thead>
<tr>
<th>NET ASSETS, BEGINNING</th>
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<tbody>
<tr>
<td><strong>8,088,093</strong></td>
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<table>
<thead>
<tr>
<th>NET ASSETS, ENDING</th>
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<tbody>
<tr>
<td><strong>$10,635,068</strong></td>
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</table>
THE SAN DIEGO
AIR & SPACE MUSEUM PRESENTS
Dick Lareau
Memorial Charity Golf Tournament
ANNUAL CHARITY GOLF TOURNAMENT

Each year, the San Diego Air & Space Museum’s annual charity golf tournament supports our vital STEM education programs.

Golfers from all over join the Museum for a fun day of serious and not-so-serious golf at the Dick Lareau Memorial Golf Tournament at the Admiral Baker Golf Course, one of San Diego’s golfing hidden gems.

 Appropriately, the tournament has been re-named to honor our long-time dear friend and Board Member Dick Lareau. Dick was the Chief Pilot of our golf tournament for more than 37 years. We honor Dick’s selfless dedication and contributions to make this annual tournament a FUN-RAISER!

Dick Lareau has devoted his life to helping the Museum. Dick and his architecture firm engineered the Museum’s pavilion roof, making it the world’s largest free standing awning and allowing the Museum to host beautiful outdoor events.

The goal of the tournament is to raise funds for the Museum vital STEM education programs. The Museum has nine Aerosummer classes for K-12th grades running from mid-July to mid-August. The camps include fun activities like building gliders, soaring kites, building flying cars, launching rockets, and flying planes in our simulators! You will help our youth excel in STEM related fields.

We hope you will join us next year for a fun and exciting day of golf celebrating Dick Lareau’s legacy. We can’t do this without you!
SCHOLARSHIPS

During the past 33 years, a total of $1,000,500 in scholarships has been awarded by the Museum to 331 deserving San Diego high school seniors. This year the Museum added another 12 students to its list of awardees, who received a total of $38,100 in scholarships. An awards ceremony was held at the Museum on June 17, 2022 to honor these exceptional students as they go on to four-year colleges.

Each year scholarships are awarded from three endowment funds: the Bill Gibbs, Convair Alumni Association, and R.A. Rearwin. In addition, the Museum offers an award to the top applicant going into the Science, Technology, Engineering, and Mathematics (STEM) field.

BILL GIBBS ENDOWMENT SCHOLARS
Alexander Usher, Classical Academy High School
Carter Matushek, Granite Hills High School
Kathryn Schneider, Del Norte High School
Jonah Pawlak, San Dieguito Academy

R.A. REARWIN ENDOWMENT SCHOLARS
Amira Helewa, Grossmont Union High School
Ian McCurdy, Poway High School

CONVAIR ALUMNI ASSOCIATION ENDOWMENT SCHOLARS
Morgan Moore, Canyon Hills High School
Camden Haraden, The Learning Choice Academy
Tyler Bay, Scripps Ranch High School
Joshua Rhone, Monte Vista
Nichole Penaflor, University City High School

SAN DIEGO AIR & SPACE MUSEUM STEM AWARD SCHOLAR
Jessica Faye Bakken, Julian Union High School
The Museum operates the San Diego Air & Space Technology Center/Low Speed Wind Tunnel (LSWT) on the eastern edge of Lindbergh Field in downtown San Diego. The facility plays a key role in aircraft development and research by providing aerodynamic test services for aircraft manufacturers from around the globe.

Considered by many one of the most truly historic buildings in San Diego, the Wind Tunnel began operations in 1947 as a division of Consolidated Vultee. The facility has been owned and operated by a distinguished list of industry giants, including Convair, General Dynamics and Lockheed. In 1994, Allied Aerospace/Micro Craft acquired it and operated the facility until 2006, when the Museum assumed ownership and operations.

Over the years, the LSWT has conducted aero-testing for numerous military and civilian development programs, including the F-106, B-58, F-111, F-16, Global Hawk UAV, Tomahawk Cruise Missile and Advanced Cruise Missile. Today, the LSWT serves the testing needs of Cessna, Boeing, Gulfstream, Northrop Grumman, General Atomics, Raytheon and Lockheed Martin. The engineers and crew at LSWT are busy conducting aero-tests for multiple clients with highly-innovative developmental products in both aerospace and general industry.

The US Olympic Cycling, Ski and Luge teams also frequently utilize the facility to develop specialized equipment and to optimize their technique as a part of their training to compete on the world stage.

The Wind Tunnel tested every Boeing Jetliner from the 707 to the 787 Dreamliner.

The LSWT helped to usher in the “Jet Age” in 1947 and remains to this day a vital asset available to the aerospace industry in its development of the technologies necessary to shape the future of air and space travel.
VOLUNTEERS, DOCENTS & INTERNSHIPS

Of all of the incredible assets at the Museum, the men and women who make up its core Volunteers and Docents are easily the most valuable. The Museum’s 141 active volunteers range in age from 15 to 99 years old. They constitute a remarkable group and are a critical resource to understanding the Museum’s distinguished past, a vital driver of its every-day activities, and a key force in driving its future success.

Volunteers and Docents are the true heart and soul of the Museum!

VOLUNTEERS

The Museum benefits greatly from the hardworking and unselfish Volunteers. Every department of the Museum benefits from the support and expertise of its Volunteers – from docent-led tours to restoration efforts, education, special events, Library & Archives, collection care and research.

DOCENTS

Of all the Volunteers who give their time to make the Museum successful, Docents most frequently come in contact with visitors, serving as guides and teachers and sharing the excitement of flight and space exploration with Museum guests. Docents guide both scheduled and unscheduled tours through the Museum and Restoration area, and also make themselves available throughout the Museum’s galleries to enhance the visitor experience.

INTERNSHIPS

The Museum offers unpaid internships for high school, undergraduate and graduate level students in our Library & Archives, Education, Curatorial, Graphics and Restoration departments. Students earn school credit as they gain experience in a field of interest.
ONE PERSON CAN MAKE A DIFFERENCE. IS IT YOU?

Your contribution to the Museum ensures both present and future generations are energized by the achievements of the pioneers of aviation and space exploration. Financial gifts support the Museum’s exhibits, collections and education programs with an emphasis on science, technology, engineering, and math (STEM).

The Museum offers several donation options:

**CASH DONATIONS**

Your support is extremely critical for us to carry out our mission to preserve, inspire, educate and celebrate. Your generous contribution not only helps us preserve the past but also is an investment for our future generations!

Donations can be made by mail or online.
http://sandiegoairandspace.org/support/donate/donate.

**MEMBERSHIP**

Becoming a member allows you to make unlimited visits and offers great value and benefits, including invitations to special “members-only” events and discounts on ticketed events such as the annual Hall of Fame Celebration. Select your level at http://sandiegoairandspace.org/support/become-a-member.

**VOLUNTEER OPPORTUNITIES**

Share your talent with the community – while helping to serve San Diego’s precious air and space heritage.
https://sandiegoairandspace.org/support/volunteer-at-the-museum

**COLLECTION & IN-KIND DONATIONS**

Donations of aviation-related materials are always welcome. Potential donations are screened and accepted in accordance with the Museum’s Collection Management Policy. Gifts are considered outright donations, to be used in the best interest of the Museum and the public, and they become the sole and irrevocable property of the San Diego Air & Space Museum.
https://sandiegoairandspace.org/support/collection-donations

**ESTATE PLANNING**

Enjoy the prestige and lifelong personal satisfaction of making a gift through your estate. You don’t need to be wealthy to establish a tax-advantaged gift. Some of the avenues available to you to make a significant gift now or later include Wills/Bequests, Appreciated Assets, Life Insurance, Retirement Plans, and Charitable Trusts.

The Museum is a 501(c)3 nonprofit organization with Tax ID 95-2253027. Gifts to the Museum are tax deductible.
2022 ANNUAL REPORT — SAN DIEGO AIR & SPACE MUSEUM

THANK YOU TO OUR DONORS AND PARTNERS

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FONADATION
KICSLY
JESSE & ALICE
TERRY MULLIN
GUPTAR
JUSTIN & ALLYSON
ZAZAS
PEHAU
IMPULSE
JUDY & DIANA
JUDY & DIANA
OF MARGARET GUNSHING/JACOB WIL LI & WILLIAM MAN DIA

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JOHN & KATHY
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BRADLEY
D. THOMPSON
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