



3624 North 74th E. Ave. • Tulsa, Oklahoma 74115 • Phone 918.834.9900  
Fax 918.834.6723 • www.TulsaAirAndSpaceMuseum.com

4th Quarter 2008

# TAKING FLIGHT



VOLUME XIV • NUMBER 3

## OKLAHOMA MUSEUM NETWORK EXHIBIT 3-2-1 BLAST OPENS AT TASM

On August 13, 2008 a group of TASM staff and board members made the trip to Oklahoma City to attend the Oklahoma Museum Network (OMN) kickoff. The event was held at the network hub, Science Museum Oklahoma and was well attended. The Oklahoma Museum Network, funded by the Donald W. Reynolds Foundation is a consortium of Oklahoma museums that are working to affect science education in the state. To this end, OMN has created traveling exhibits that will circulate throughout the partner museums over the next five years.

TASM had a soft opening of its first set of exhibits, 3-2-1 Blast, over the weekend of August 2nd and 3rd in conjunction with the performances of Tom Noddy, The Bubble Guy. The weekend set record attendance and the exhibits were a huge hit with youngsters and adults alike. Among the exhibits are the Dock with the I.S.S, Mars Flyer,

Center of Gravity, Bernoulli Levitator, Rocket Launcher, Airhead and the Bernoulli Blast. One more exhibit is due to arrive soon known as the Paper Airplane Launcher. These are all great hands-on exhibits that the whole family will enjoy. If you've not stopped by to see them yet, schedule a family outing to give them a try. 3-2-1 Blast will be on exhibit through May of 2009.



**MISSION** Preserving Oklahoma's aerospace history to stimulate science education.

Larry P. Anduss  
Interim Executive Director

Kim Jones  
Curator

## NEW EXHIBIT SPACE MANEUVERING UNIT

The Space Maneuvering Unit (SMU) has arrived at TASM and is preparing to take you on an extra vehicular activity mission. Your goal is to guide the SMU jetpack on a mission!! You take the controls of the jetpack and experience the heart-pounding thrill of working like an astronaut in space. This exhibit should be operational by the end of October.

This 5 minute experience will test your skills at time management, visual acuity and navigation in this unique experience that is both fun and challenging. It tests the principles of action - reaction while attempting to dock the SMU.



## MEMBERSHIP FORM

Free Hangar One admission for an entire year! • Express entry during regular hours and special events • Subscription to "Taking Flight," the Museum newsletter • Invitations to member-only previews and events • Discounts to Museum store, education classes, camps, Planetarium tickets, parties and more!



Return to Tulsa Air and Space Museum & Planetarium  
3624 N. 74th East Ave • Tulsa OK 74115  
Or join by calling 918.834.9900 x115

- \$30 Student Pilot (Individual)
- \$65 Pilot (Individual + one guest)
- \$80 Aviator (Two adults + six children)
- \$120 Captain (One named adult + two guests)
- \$200 Colonel (Two adults + four guests)
- \$1000 Astronaut (Two adults + four guests - lifetime)
- \$10 Additional Child
- \$20 Additional Adult
- \$3 Replacement/Additional Card

Gift info: Mail membership to  Recipient  Me

New Member/Renewal will be in the name(s) of:

1. (M) (F) .....

2. (M) (F) .....

Address .....

City State Zip .....

Phone (Home) .....

(Work) ..... (Cell) .....

E-mail Address .....

I would like to receive an electronic newsletter  Yes  No

Check payable to Tulsa Air and Space Museum

Visa  MasterCard  Discover

Card number ..... Expiration date .....

Signature ..... Total Amount \$ .....

### Hours

Tues-Sat ..... 10am-5pm

Sun ..... 1pm-5pm

Mon ..... Closed

### Museum & Planetarium Combo Admission

Adults ..... \$10

Seniors ..... \$8

Military ..... \$8

Students ..... \$8

Youth 4-12 ..... \$6

Children 3 & under ..... Free

Members (Museum) ..... Free

Members (Planetarium) ..... Discount

For newsletter information, please contact  
the Museum at 918.834.9900

## HUGOCRAFT COMES HOME!

This month, TASM welcomes home an aircraft designed and built by a native Tulsan and TASM volunteer. In 1961, the late Adolph Hugo began designing a small single-seat sport biplane that he would name the "Hugocraft." In 1965, the Hugocraft took to the skies for the first time. Built at a cost of approximately \$1,500, the airplane won the 1969 "Outstanding Design-Light Biplane" award at the Experimental Aircraft Association's (EAA) International Fly-In.

After being exhibited in a place of honor at the EAA's Oshkosh, Wisconsin museum for several years, the Hugocraft was donated to TASM for eventual display. A team of TASM volunteers travelled to Oshkosh to retrieve the aircraft and to bring it home to Tulsa. A restoration was commenced, and the aircraft was

slowly brought back to its original appearance and condition. TASM Maintenance Director Carl Schiffman worked closely with Mr. Hugo on the restoration, and ultimately completed the restoration and detailed paint job on the aircraft after Mr. Hugo passed away this last summer.

This fall, the Hugocraft was reassembled and transported to the Sherman and Ellie Smith Hangar One Museum. Curator Kim Jones, Carl Schiffman and TASM's "Monday Boys" rigged the aircraft for lifting and hoisted the aircraft at the south end of Hangar One, where it finally flies once again. Come check out the Hugocraft in person, and pay tribute to the engineering genius and aviation skills of one of TASM's own heroes, Adolph Hugo!

www.TulsaAirAndSpaceMuseum.com

## 2008 BOARD MEMBERS

Larry P. Anduss,  
Retired

Jim Bertelsmeyer,  
Retired

Dr. Ray Booker,  
Retired

Damon Bowling,  
Spartan College of Aeronautics  
and Technology

Jo Bright,  
North Mabee Boys & Girls Club

Carlton Buford,  
Williams Companies

Greg Colpitts,  
The Colpitts Law Firm

Mike Cooper,  
AT&T

Trey Cooper,  
Adams Hall Asset Manager

Susan Eck,  
Community Volunteer

John Esposito,  
Espo Construction Co., Inc.

Mike Fine,  
Fine Airport Parking, Inc.

Nan Gaylord,  
NAN Enterprises

Eric Hansen,  
BKD, LLP

Alexis Higgins,  
Tulsa Airport Authority

Lee Hubby,  
Advertising & Marketing Advisory  
Services

Dr. Kathy LaFortune,  
Clinical Psychologist

Cliff Magee,  
1st Law Source

Roy C. McGraw,  
Spirit AeroSystems, Inc.

Dr. Tom McKeon,  
Tulsa Community College

Bill Meyer,  
Trust Company of Oklahoma

Lamar Miller,  
ONEOK Energy Services

Frank Mitchell,  
KTUL TV

Ed Nunnelee,  
Retired

Fred Parkhill,  
Parkhill's Liquor & Wines

Lee Raney,  
Retired

JoAnn Schaub,  
Bank of Oklahoma

Tray Siegfried,  
The Nordam Group

Barbara Smallwood,  
Retired

Mary Smith,  
Spirit Bank

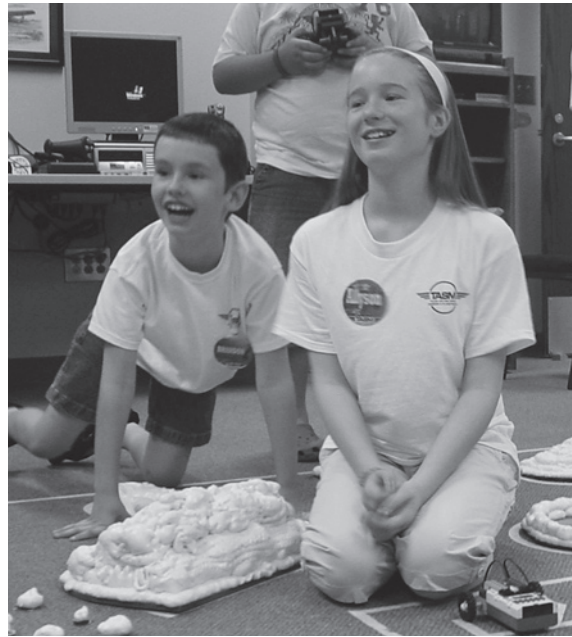
Sherman Smith,  
Retired

Dr. Gary Trennepohl,  
OSU-Tulsa

René Witten,  
Mingo Aerospace

## SUMMER SOARS WITH ROCKETS, PLANES AND ROBOTS

So, what did you do last summer? If you were one of over 200 children attending TASM summer camp, you can say you designed and built a rocket, programmed a robot or constructed your own airplane. Ten weeklong camps gave students first through ninth grade the opportunity to dive into science like never before. One week students experienced launching the space shuttle, while another week eggs were thrown over the balcony with hopes that a parachute and a carefully designed basket would provide a safe landing. Younger students toured the Tulsa International Airport and then constructed an airport model from recycled materials. This year, several members of the community gave campers the opportunity to explore their fields of interest. Memorial High School robotics students wowed the campers with a demonstration of their award-winning robotic program, while others toured the Nordam plant to watch robots in action. Pilot Bob Ferguson provided a lunchtime treat when he taxied his plane onto TASM property for a tour and Hal Ellis of the Tulsa Rocketry Club gave campers a look at his very large homebuilt rockets. A special thank you to Spirit AeroSystems and several other donors for providing funds to help with camp expenses, the flight team at the QuikTrip Hangar, Army National Guard, Nordam, Tulsa International Airport and the Bald Eagle Flying RC Club. If your child or one you know missed summer camp, there are one-day camps offered during the school year, and of course next summer is an option as rockets will launch, planes will fly and robots will navigate the halls of TASM, providing summer fun and possibly launching future careers.



## Calendar of Events

SEE WWW.TULSAAIRANDSPACEMUSEUM.COM FOR DETAILS

### OCTOBER

11th – KiteFest  
16th – One Day Mini-Camp  
17th – One Day Mini-Camp  
(Reservations required for camps)

### NOVEMBER

27th – Closed for Thanksgiving Day

### DECEMBER

6th – Santa Fly-In 8:30 am  
(Members only – reservation required)  
25th – CLOSED for Christmas Day  
29th – One Day Mini Camp  
30th – One Day Mini Camp  
(Reservations required for camps)

## WELCOME HOME FLAGSHIP TULSA!

On August 29, 2008, TASM welcomed home the historic American Airlines DC-3 known as “Flagship Tulsa.” Russ Newman and Pete Kourtis purchased the aircraft in memory of their fathers, who instilled in them a passion for aviation. Their donation of Flagship Tulsa to TASM was the first step in what will be a long journey to return the DC-3 to the skies.

Flagship Tulsa was the 37th DC-3 delivered to American Airlines, becoming part of American’s fleet on May 20, 1939. It flew with American until February of 1949, when it was sold to Trans-Texas Airways. It flew with Trans-Texas, Provincetown-Boston Airlines, Air New England and finally Aero Libertad in Mexico, before being sold to Basler Turbo Conversions in Oshkosh, Wisconsin. Flagship Tulsa has rested in Oshkosh since the early 1990’s, and was used for spare parts.



## NEW MEMBERSHIP PROGRAM

The Tulsa Air and Space Museum will launch a new Membership program on October 15th. The names of the Membership Levels will change, as will some of the benefits. The Membership Committee, chaired by our Founding Chairman, Lee Raney has studied the Membership Program and is implementing the changes.

All current members will receive a mailing on this new information and how their membership fits into the overall program.

Last fall, a group led by Kim Jones journeyed to Oshkosh to see Flagship Tulsa in person, and to talk with Basler officials about plans to transport the aircraft back to TASM. In mid-August, a team of TASM volunteers led by Dusty Meyer and TASM board member Lee Hubby disassembled the DC-3 and loaded onto trailers for the trip home. Laddie Ondracek, Dale Jones and Don Falletti spent a week working on Flagship Tulsa preparing her for transport. Melton Truck Lines generously donated all trucking services needed to bring the aircraft to TASM.

After a brief stop at TASM, Flagship Tulsa was transported to American Airlines to commence restoration. American has graciously agreed to take the lead on the restoration, working principally on the fuselage and center wing section. Other local companies will be asked to participate in restoring the DC-3’s other components to flight worthy status. Anyone who is interested in volunteering on the project, or who would like to donate much-needed funds can contact Kim Jones at 834-9900 x113.

## CAMP SCHEDULE

Mark your calendar for upcoming one-day camps.

Watch the web site for registration and additional information about camps offered on the days schools are closed. Camp topics are subject to change.

| When    | Grade Level | Topic / Curriculum |
|---------|-------------|--------------------|
| OCT. 16 | 1-4         | NAVIGATING MARS    |
| OCT. 17 | 1-4         | WACKY LAB          |
| DEC. 29 | 3-5         | ROBOTICS           |
| DEC. 30 | 1-4         | THE ART OF SCIENCE |
| JAN. 19 | 3-5         | ROBOTICS           |
| JAN. 19 | 1-4         | SPACE              |

## Would you consider a tax-deductible gift to TASM?

TASM receives no public funding for operation and 30% of needed revenue must be raised from non-operating sources such as annual donations, 1K club partners, exhibit sponsorships, and gift donations. The remaining 70% of the budget is from earned income through fees-for-services like admission and gift shop sales. Donations are tax-deductible, as TASM is a nonprofit 501(c)(3) educational organization.

## CONTRIBUTIONS THROUGH AUGUST 31, 2008

### In Memory of:

Norman S. Rice  
by: Ann Rice

Maj. Gen. Ed McFarland  
by: Jack and Marilyn Lively

Maj. Gen. Ed McFarland  
by: Alice and Harry Price

Maj. Gen. Ed & Gloria McFarland  
by: Dr. Walter and Cherry Kempe

Edward O. Howland  
by: The Hardesty Family Foundation, Inc.

Edward O. Howland  
by: George and Elinor Verville

Edward O. Howland  
by: A.G. and Betty Weber

Edward O. Howland  
by: Larry Bain

Edward O. Howland  
by: Dollie, Bonnie and Dan Scott

Edward O. Howland  
by: Senior Card Group of the Fellowship Congregational Church

Edward O. Howland  
by: Rosenstein, Fist & Reingold

Edward O. Howland  
by: Frieda Ferguson and Gail Ferguson

Edward O. Howland  
by: Maureen Holloway

Edward O. Howland  
by: Marilyn and Ron Cox

Edward O. Howland  
by: Chester W. Reyckert

### In Honor of:

Mr. and Mrs. Tommy Wiggs  
by: Mr. and Mrs. Jerry McAllister

Mr. Kevin Gray  
by: Hugh and Norma Henderson

Mrs. Kathryn Pennington  
by: Elizabeth R. Couper

Mr. C. R. Burton  
by: Betsy and George Wright