Revitalizing the Cosmosphere
One small step leading to a great leap

A Journey Begins With Single Steps...

At the Cosmosphere, there are stellar examples of what steps are made possible through great philanthropy. The Walter and Velma Justice Planetarium, the John and Billie Turner Dr. Goddard’s Lab, the Materials Lab in the Education Department and the Cosmo Café are all completed projects that are part of the plans for the revitalization of the Cosmosphere.

The Revitalization Campaign commenced in 2014 with more than $3.2 million dollars raised to date through individual solicitation of major gifts. Much of the focus of that effort has been seeking new forms of major support from outside the Reno County area.

“Not only does broadening our base of major funding offer a new source of financial support, but it also broadens our stakeholder base to reflect our true sphere of influence,” said Mimi Meredith, Chief Development Officer.

“In 2017, the Cosmosphere attracted visitors from 40 U.S. states, one U.S. territory, and 31 foreign countries.”

Meredith said. “Our Camps attracted participants from 45 states and Canada. Our goal is to create a representation in our donor network that reflects that reach. A Capital Campaign provides a great opportunity to educate major donors—individual, corporate and foundations—about how they can participate in this expansive mission.”

In addition to the projects completed, construction is now underway in the Education Department, where a $100,000 grant received from the Dane G. Hansen Foundation is supporting the initiation of a new Mission Control experience.

“This project encapsulates the comprehensive mission of the Cosmosphere. It creates interactive learning and insight into the history of Mission Control with a command center environment that replicates Apollo-era missions alongside the type of environment students might find if they worked at Jet Propulsion Laboratory or any modern mission control,” Meredith said. “Not only does the support from the Dane G. Hansen Foundation make

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A New Year, A New Era
A letter from new Cosmosphere President/CEO, Jim Remar

First, I would like to thank Dick Hollowell for six years of tremendous service! There were many significant milestones achieved during Dick's tenure as CEO. During this period, the Cosmosphere witnessed stabilization, re-branding, the launch of revitalization and new initiatives as well as over $1,600,000 in new facility upgrades. The Cosmosphere cannot expand the impact, reach and brand recognition of the organization.

During 2018, SpaceWorks will be a part of history as it works with a team to restore the historic Johnson Space Center Mission Operations Control Room to Apollo era glory. This is an important project as it will preserve one of the iconic rooms of the early manned space program.

Revitalization fundraising continues to gain momentum. We hope to make a major announcement regarding facility enhancements the latter half of the year. A major anniversary will be celebrated in grand style in December – the 50th Anniversary of Apollo 8. Watch for details!

As we enter a new year and a new era at the Cosmosphere, I am excited to have the opportunity to lead this incredible, dedicated team in place that can and will make a difference. Collectively, this team is positioned to make a lasting difference that will secure the future of the Cosmosphere.

Education has a primary role in the continued growth and expanded reach of the Cosmosphere. New, web-based curricula will provide a new and innovative way for teachers to instruct students on STEM-based subjects, while never leaving their classroom. Technology will allow the Cosmosphere to take its educational experiences internationally, greatly expanding the organization’s reach.

There were many significant milestones for six years of tremendous service!

2018 promises to be an exciting year as the organization prepares to undertake several new initiatives in an effort to expand the impact, reach and brand recognition of the organization.

The governing board approved a five-year strategic plan, that for the first time in many years, provides staff with strategic alignment and objectives. This plan outlines for both staff and board, priority areas to focus attention and resources. This organization has a dedicated team in place that can and will make a difference. Collectively, this team is positioned to make a lasting difference that will secure the future of the Cosmosphere.

A strong foundation has been laid for the Cosmosphere to continue to build upon. 2018 promises to be an exciting year as the organization prepares to undertake several new initiatives in an effort to expand the impact, reach and brand recognition of the organization.

The governing board approved a five-year strategic plan, that for the first time in many years, provides staff with strategic alignment and objectives. This plan outlines for both staff and board, priority areas to focus attention and resources. This organization has a dedicated team in place that can and will make a difference. Collectively, this team is positioned to make a lasting difference that will secure the future of the Cosmosphere.

A letter from new Cosmosphere President/CEO, Jim Remar
that improvement possible, but it also reinforces the Foundation’s commitment to provide the best educational experiences possible for students from Western Kansas, who make up a large percentage of those we serve each year through camps and educational experiences.”

What’s Next?
Gifts from private donors for classroom renovations and a $500,000 grant from the Sunderland Foundation means the Education Department and second floor observation deck improvements—including additional restrooms—is just $1.4 million dollars away from a complete renovation.

In the Hall of Space, plans call for $7 million to be raised for its revitalization, which includes new interactive exhibits, a dedicated Cosmos Kids children’s area and classrooms that make the collection more accessible to students. $4.5 million will enable the work to begin in the fall of 2018.

How will that money be raised?
The efforts to secure major funding outside of Reno County will be reinforced with a membership drive and direct mail solicitation to residents in Kansas, Missouri, Oklahoma and Nebraska who have connections to the Cosmosphere as well as a solicitation piece mailed to all members and prior donors. Watch your mail for the arrival of those pieces in January, February and March. An email campaign will reinforce that effort and individual calls to build relationships and cultivate support will continue.

An online fundraising effort—often referenced to as crowd funding—will be initiated as well, which will allow the Cosmosphere to further expand its reach and to appeal to a younger donor base more inclined toward online giving.

“"The Board of Directors and the development team have carefully structured this campaign to attract new donors,” to honor the steadfast donors who have supported the Cosmosphere’s mission to date, and to ensure it continues to be what it always has been— one of the finest centers for education and aerospace history in the world, which is proudly located in the heart of Hutchinson, Kansas,” said Jim Remar, CEO. “I invite anyone with questions, or who wants to know about the plans in more detail, to reach out to Mimi or me. We are eager to share the vision of what is in store for the Cosmosphere and those it serves.”

Cosmosphere Café, Now Open!
In November, the Cosmosphere began service from a completely renovated Cosmos Café. It follows the Justice Planetarium, John and Billie Turner Goddard’s Lab, and the Education department’s Material Lab as projects completed with funds raised through the Cosmosphere’s Revitalization Campaign.

The Café originally opened in 1995 as the Lunar Outpost. A new fresh and appealing interior design package, new air handling equipment, windows and service counters are all part of the renovation.

The menu is undergoing a renovation with fresh updates as well. New choices will include paninis, soups, salads, wraps and rotating featured items. Retail Operations Manager Steve Bamum says most of the new items should be available by February.

Mention this article when you stop in and Steve will give you a complimentary cookie between now and April 1, 2018!

REVITALIZING THE COSMOSPHERE CONTINUED FROM PAGE 1

Hardly recognizable, this shell of the Mission Control room is all that is left in the Cosmosphere’s Education Rotunda. It will get a facelift with the help from a grant from Dana G. Hansen Foundation which is supporting the initiation of a new Mission Control experience.

Laura Page, International Space Science Educator, works on the blended learning website. Currently the site has curriculum packages offered in three languages — English, Spanish and German — with more to come!

We’ve Got Your Solution: Cosmosphere Introduces Blended Learning Curricula

There’s a new focus in teaching and it’s called “blended learning.” What does it mean? Well, to the education staff at the Cosmosphere, it means providing an educator a full web-based Cosmosphere curriculum package, which engages students in learning in a way only the Cosmosphere can—by combining real-life challenges with technology, history and connections to industry experts—to promote exciting learning opportunities.

As Tracey Tomme, Chief Operating Officer, explained it—with this new service, a teacher will choose from a variety of topics the Cosmosphere has to offer. He or she will then receive the full tool-kit and lesson plan package for that subject electronically. Some of the components of the curriculum packages include hands-on projects, demonstration videos, lectures, materials lists, vocabulary lists, live video conferences with Cosmosphere Science educators or visiting experts, writing prompts and grading rubrics. In addition to the topic, the pace is chosen and set by the educator. Once a unit is purchased, the product becomes more like an interactive workbook, with the Cosmosphere team supporting educators through each set of lessons.

“This is relevant learning!” Tomme said. “Our content is career-path focused and truly presents students the chance to learn about and solve real challenges the aerospace industry is trying to solve...or will be trying to solve by the time these students enter the workplace.”

Currently, three full curricula are available: Meet Mr. Moon and Spacemind and Panpangadia (appropriate for third through fifth grade), and Space Junk (for fourth and fifth grade). A complementary hands-on project, Solar System Bracelets (lower and upper level options), is offered to give educators a sample activity similar to the activities in other packages. Each unit is available in these languages: English, Spanish and German.

As is the case with all the educational content the Cosmosphere provides, these new curricula packages meet classroom standards and tie in all aspects of STEM (science, technology, engineering & math) with the arts, language arts and of course, history.

"“This is relevant learning!””
— Tracey Tomme, Chief Operating Officer

“It’s not like turning the page in your old textbook. It’s more like getting the chance to work with a jet pilot or a NASA engineer,” said Tomme excitedly.

“Don’t have it in your budget to travel to the Cosmosphere to see the real Apollo 13 command module? Or hire an astrophysicist on staff?” Tomme asked.

“Well, we’ve got your solution for that— this new service.”

While she agrees that nothing can quite compare to seeing a historical space artifact in person, with these new blended learning curriculum packages, the Cosmosphere is able to provide educators amazing learning opportunities, delivered to their classrooms anywhere in the world.

“We appreciate that education in our museum looks different than it might in a classroom—and we want to share that philosophy more broadly.”

For more information on the Cosmosphere’s blended learning programs, visit: education.cosmo.org or call the Education Department at: 620.665.9323 or 800.397.0330.

Pag shows the available programs currently listed at education.cosmo.org. With more coming soon.
2017 HIGHLIGHTS

New to SPACE 301 in 2017: Underwater Robotics!

New to SPACE RX in 2017: Suturing Pigs Feet!

Watch for 2018 Camp Details!
Advice to students thinking about attending Cosmosphere Camp or entering STEM field: Push hard in all things technical; there’s really cool stuff out there to do or learn about than just any single human can comprehend. But don’t get involved in too much at once and burn yourself out; there’s no reason it can’t be fun. It’s ok to never know what you want to do or be when you grow up. Aim in the direction of things you like, stop and think about your path every six months or year, and by the time you have to make real choices you probably won’t regret the results, and you’ll be used to doing a solid plan. If you like math, machines, and technical stuff in general but still don’t have a clue what to do in detail when going to college, try for mechanical engineering.

Chelsea Iwig
Camper: 2002-2004
Counselor: 2010 & 2011
Director/Counselor: 2014. I did not return in 2012 due to first internship at NASA. In 2015, I was doing graduate research.
Current Job: Human Factors Engineer for the Orion Project for M.I.T Technologies at NASA Johnson Space Center. Also currently completing a PhD in Human Factors and Human Computer Interaction at Rice University.

Did experiences at Cosmosphere camp influence your career choices? I knew early on that I wanted to be an astronaut someday, but attending the space camps as a camper and as a counselor just solidified that goal in my mind. The Cosmosphere is such an inspiring place and the camps are incredibly educational. I remember my first year as an undergraduate student at Embry-Riddle Aeronautical University; I took a Space Studies course. It was mainly on the history of the spaceflight program as well as a general overview of space vehicles and operations. Nearly everything covered in that class I had already learned at the Cosmosphere because of its incredible museum and curriculum that the Cosmosphere provides because of its incredible museum and curriculum that.

Other space camps provide fun experiences like the Cosmosphere, but I don’t think any other space camp can provide the educational experience that the Cosmosphere provides because of its incredible museum and curriculum that emphasizes educating students about all aspects of the spaceflight program. Even now, in my work at NASA, I find that knowledge gained at the Cosmosphere has been of great benefit to me. Just the other day I was discussing Orion displays with a coworker and I had a much better understanding of certain graphics on the displays because of my experience with the highly accurate simulator displays used at the Cosmosphere in the simulated Falcon Shuttle missions. I could go on and on, but overall, the answer is YES! There are many camp experiences which have been directly beneficial to both my college education experiences and my job experiences now.

Advice to students thinking about attending Cosmosphere Camp or entering STEM field: The path to careers in STEM is not easy and it is never straightforward. You might think you want to be an engineer now, and then discover a passion for life sciences or psychology (which is a science too). Keep your mind open! Don’t think you have to be an engineer to work at NASA. The most important thing is to pursue what you love and you will find that you can do anything simply because you think it will get you to your end goal. Do what you love and you will find that you can still reach your end goal if it doesn’t end up being the most direct path. Also, don’t give up! It will be hard. There will be times when you wish you had chosen easier goals. When this happens, find inspiration from somewhere, whether it is watching YouTube videos of astronauts or scientists in your desired field, reading astronaut or scientist biographies, visiting the Cosmosphere, or talking to a mentor. Just find a way to re-motivate and inspire yourself to keep pressing forward to your goal. Finally, if you don’t have a mentor, then find one. Find someone who has achieved your next most immediate goal and ask them if they would mentor you toward achieving that goal.
**Miranda Myer**

**Camper:** Levels 1-4 from 2006-2009

**Currently:** Senior at University of Kansas in Aerospace Engineering. I have accepted an offer at Textron Aviation that will start in the summer of 2018

**Did experiences at Cosmosphere camp influence your career choices?** Yes. I would say that space camp did influence me. I always knew being an astronaut is what I wanted to be when I grew up early on. Cosmosphere Camps further pushed me that direction and affirmed to me that I could indeed be in a related field; something that I now think is very big looking back on my experiences as a women in engineering. Cosmosphere Camps was almost like a window into the future for me. It allowed me to visualize and experience my goals first hand and make me feel as though I truly could accomplish those goals in a related field as an adult. Currently, I am in my senior year of my aerospace engineering degree and looking back, our Falcon missions at Cosmosphere Camps was really my first experience working on a team, something I do a lot of in classes and during internships.

**Favorite Memories:** I have met several astronauts while visiting the Cosmosphere since my family and I were regular visitors, but I can only recall meeting one astronaut while during a camp session. While touring NASA facilities in Florida, we got to meet Kathryn Sullivan who I think was actually the first female astronaut that I had ever met. I think having the opportunity to talk with her and shake her hand was very important. I think it is extremely hard to grow up wanting to be something without having a clear view of it, to have a role model or someone from the same background accomplish the same goal to look up to. Kathryn Sullivan was that person for me. She was my invitation to try everything I can to get to where she is today. My goal to this day is to be an astronaut too.

**Advice to students thinking about attending Cosmosphere Camp or entering STEM field:** I recently volunteered at an event for incoming freshmen at my campus and was asked a similar question and I think my answer is still very much the same. Never be content with not knowing. Actively do all that you can to figure out a solution or find the answer if that means taking the time to try multiple approaches, or do extra work for practice until you get it, or learning how you learn so you can make the most of your efforts. STEM fields were always so scary to me. They focus around classes I always struggled with, making everything seem so hopeless. But, having this mind set of the unknown is unacceptable has pushed me past my own limitations that I have set for myself, and I could ever imagine. Go for it, and find people that believe in you along the way but never substitute that for your personal drive within yourself, that is what makes all the difference.

**Sean Munson**

**Camper:** FATP Level I - FATP Xtreme and Extreme 2005-2007

**Counselor:** 2009 & 2010

**Current Job:** Nuclear Electronics Technician for US Navy

**Did experiences at Cosmosphere camp influence your career choices?** Yes. It had a direct influence, but I didn’t enter the military as a result of camp. I’ve always been very interested in manned space flight and when I was in college the NASA Space Shuttle program was ending, without a foreseeable path forward to lift manned spaceflight. There was still a prospect of training astronauts in the NBL (Neutral Buoyancy Lab) and I’ve had an interest in diving ever since I was certified to dive during the Xtreme camp. I entered the military in order to direct my career in that direction, but instead became involved in Nuclear Propulsion. The teamwork and problem solving that is an integral part of Cosmosphere Camps is something that I use on a daily basis. My job on an aircraft carrier as a reactor operator is surprisingly similar to a run in the Falcon simulator, and I certainly think that the experience has translated and made me a better operator.

**Favorite Memories:** When I was a counselor, Charlie Duke visited the Cosmosphere for a speaking engagement. I met him in one of the back stages areas and he stopped and shook my hand. He didn’t introduce himself then, and just kept walking. I had no idea until someone told me. “You just shook hands with Charlie Duke!” He was a really humble man, and didn’t seem to buy into the celebrity of it. He made it feel special (walking on the Moon) but he didn’t flaunt it. It’s a graceful thing that I aim to emulate.

**Advice to students thinking about attending Cosmosphere Camp or entering STEM field:** Those industries are constantly evolving and growing, students that enroll in school for STEM degrees are studying for jobs that don’t exist today. That’s very exciting, but it can be daunting if there isn’t a job that you can set your sights on. So, stay in school, study things that interest you, and make sure you go to the classes that don’t interest you. Trust me, I didn’t and I wish I did. I think we are living in a really pivotal time in history where dreams can absolutely come true if you put in the work - so put in the work. And something that I wished I had learned at a far younger age: when you need help, ask for it: from your teachers, from your peers, from your parents, anyone; you can’t experience everything on your own, so don’t be afraid to ask for help.

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**Shelia Sreedhara**

**Camper:** 2006-2009

**Current Job:** Insurance Credentialing Specialist at St. Luke’s Hospital of Kansas City

**Did experiences at Cosmosphere camp influence your career choices?** Yes. It went to college to become an engineer after my camp experience influenced me to do so. The team building exercises we did still stay with me and help me get along with my coworkers even now.

**Favorite Memories:** Yes, and it was one of the best experiences of my life. We got to attend a debrief after an STS Atlantis mission and I met all seven astronauts. I will never, ever forget what they said: “when you are up there looking down at Earth…you don’t see lines. You don’t see country borders or political sides. You don’t see differences between people on different continents. You just see one fragile little planet. And it’s the only one we may ever get.”

**Advice to students thinking about attending Cosmosphere Camp or entering STEM field:** I say go for it— especially if you’re a girl. It’ll be tough, not only the classes and studying, but there’s a stigma against girls in STEM and it’s likely you’ll face discrimination even if it’s subtle. Rise above it because it’s so worth it.

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“In 2007, Miranda Myer and her Space 201 class, pose in front of the F1 engine that is on display outside of the Cosmosphere. Myer is second from the left in the first row.

Sean Munson is pictured on deck of the USS George H. W. Bush aircraft carrier during his first deployment in the Suez Canal Transit in Egypt in 2014.

Thank you.

The Cosmosphere would like to thank all of our 2017 Donors for your generous contributions throughout the year.

(As of January 1 - December 7, 2017. Donors giving after December 7 will be recognized in our next newsletter.)

**Apollo Club**
- Robert and Martha Buford
- Pat Stoecker
- Charles and Janet Sober, Jr.

**Mercury Club**
- Mark Yackley
- Bill Weisenborn
- Yvonne Krehbiel
- James and Suzanne Hewes
- Buz and Nancy Carpenter
- Lila Berkley
- Lila Berkley

**Lift Off**
- Doris Sutton
- Homer and Esther Smith
- Bob and Lisa Stuewer
- Doris Sutton

**Revitalization**
- Apollo Club
- Mercury Club
- Lift Off
- Shuttle Tiles

**Memorials**
- John and Roseanne Baldwin
- Alan Baldwin
- Richard Ehling
- Rice County
- Rice County
- Rice County
- Rice County
- Rice County
- Rice County
- Rice County

**Memorials cont.**
- Richard Ehling
- Randy and Susan Puls
- Stacy and Norma Slape
- Mike and Ruth Smith
- Randall and Carlene Wells
- Greg Drouhard (Revitalization)
- Ann Anderson
- Richard and Barbara McCarr
- Anita and John McCune
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- Thaine Woolsey
- Charles and Bonnie Berscheidt
- Mike and Laura Berscheidt
- Keith L. Zody
- Barbara Zody
- Helga Whiteside
- Glenn and Monica Whiteside

**Tributes**
- Cosmopolean Staff
- Sally Scholz
- Ray Hodges
- Sonya Car
- Raphael Shephard (Scholarship)
- Dexter Schnobly
- Crosby Stevens
- Dan and Jannene Welchrons
- Alain Zwick
- Colby and Nancy Case

**Scholarships and Field Trips cont.**
- Richard and Jane Falter
- Suzanne Hamilton
- Joel Kiyett
- Brandon and Lori Parks

**Patty Carey Education Endowment**
- Peace of Mind Counseling and Consulting
- Stoltzer Family Foundation
- Bob and Ruth Barker
- Stuart & Sailor Harrison

**We are sad to share that this year, the Cosmosphere said goodbye to two long-time, dedicated volunteers. Lois Johnson and Dick Ehling both served the organization for more than 15 years. Lois had received her 15-year Golden Apple award in May, while Dick (who had retired from volunteering in 2015) served for 17 years. These generous folks will certainly be missed but not forgotten! Godspeed Lois and Dick!**

**Annual Gifts**
- The Cosmosphere would like to thank all of our 2017 Donors for your generous contributions throughout the year.

**In Memoriam**
- In Memoriam
- In Memoriam
- In Memoriam
- In Memoriam
- In Memoriam

**CONNECT WITH US!**

- Welcome New Cosmosphere Members!
- New Cosmosphere Members!
- WELCOME NEW COSMOSPHERE MEMBERS!
- (As of July 27 - December 5, 2017)

- cosmo.org  |  15
The museum also restored astronaut Gus "Odyssey" Apollo 13 command module, the most notable spacecraft and space The Cosmosphere has overseen some of division to help them bring MOCR back turned to the Cosmosphere's fabrication, of the Cosmosphere museum. "JSC announced its selection by NASA's Christopher C. Kraft, (MOCR) at NASA's Christopher C. Kraft, Jr. Mission Control Center. (collectSPACE) NASA Mission Control Consoles By Robert Pearlman, editor, collectSPACE.com. April 25, 2017 — The NASA Mission Control consoles that were used for the first moon landings are set to be brought back to life by a Kansas museum that restored the Apollo 13 spacecraft and conserved the recovered rocket engines that launched Apollo 11. The Cosmosphere in Hutchinson, Kansas, announced its selection by NASA's Johnson Space Center in Houston, to restore the consoles to how they appeared at the height of their use during the Apollo Moon missions. The Cosmosphere's SpaceWorks division will re-power the consoles so that their buttons and screens can be lit again as part of a $3.5 million restoration of the historic Mission Operations Control Room (MOCR) at NASA's Christopher C. Kraft, Jr. Mission Control Center. "While the control consoles and monitors in the room are authentic, none of them work," said Jim Remar, president and chief operations officer of the Cosmosphere museum. "JSC turned to the Cosmosphere's fabrication, restoration and high-fidelity replica division to help them bring MOCR back to life." The Cosmosphere has overseen some of the most notable spacecraft and space artifact restorations of the past few decades. In addition to its work on the Apollo 13 command module, Odyssey, the museum also restored astronaut Gus Grissom's Liberty Bell 7 Mercury capsule after it was found and raised off the ocean floor in 1999. More recently, the SpaceWorks division was entrusted with the conservation of the Apollo Saturn V F-1 rocket engines that were recovered off the sea floor by a private expedition led by Amazon CEO and Blue Origin founder, Jeff Bezos. Cosmosphere representatives joined NASA, Space Center Houston and Texas Historical Commission officials in April for a meeting with the National Park Service, which has oversight of the restoration of the MOCR since designating it a national landmark in 1985. NASA continued to use the room to support space shuttle missions through 1992. The restoration will return the MOCR and its related rooms to their appearance at the time of Apollo 11, the first moon landing in July 1969, though the consoles will be configured to look as they did for the fourth lunar landing mission, Apollo 15, in July 1971. The restoration will include the MOCR and its related rooms to their appearance at the time of Apollo 11, the first moon landing in July 1969, though the consoles will be configured to look as they did for the fourth lunar landing mission, Apollo 15, in July 1971. The console itself — the viewing room, the MOCR, which is shown on the screens, the visitor experience — that will be Apollo 11. Remar explained in an interview. "That was the moment when we won the Space Race and man first reached the surface of the Moon." "For the consoles themselves, the flight controllers felt that Apollo 15 was the apex in technology for the early manned space program. They felt it was appropriate to restore the consoles to the Apollo 15 mission," Remar said. "So there will be two missions represented: the overall room will be restored to Apollo 11 and the consoles to Apollo 15." Apollo 15 saw the first extended exploration of the moon, including the first use of a lunar roving vehicle (LRV). The consoles in Mission Control were upgraded to support the more ambitious mission, though the restored changes may not be readily apparent to those who visit the room. "Really, to the general public, there probably won't be any discernible difference," said Remar. "But to the controllers there was, because that's when we went from flying the '4 missions to the 'J' missions and started using the rover, so some of those experiments and new means of exploration charged the configuration of the components that were in the consoles. So while the general visitor probably will not know the difference, those who were involved will." If the National Park Service gives a "go" as expected next month, Remar said they hope to begin work in late May or early June. The Cosmosphere's conservators will assess the consoles where they are in Houston and then remove the components that need work to be shipped to Kansas. "We will use as much original hardware as we can, but in cases where we want to light some buttons up or have a screen show some telemetry or data, we're not going to be restoring the old CRTs, we're going to put new monitors in there," described Remar. "But we'll catalog the old, original hardware, we'll document it, we'll clean the corrosion from it, preserve it and then put it in archival quality boxes and JSC will store that on site." As for the consoles themselves, they will be cleaned and repaired, before they are dressed with artifacts to look as if the flight controllers had just left their stations. "While we probably will not add any coffee stains or ashes from cigarettes — our objective is to clean the consoles and remove any type of dirt, grime, debris or corrosion — each of the consoles will be dressed with ash trays and coffee mugs, papers and things like that," said Remar, noting that the dressing will be handled by NASA and the architectural firm Stem and Bueckel of Houston. The Cosmosphere plans for the restoration of the consoles to be complete by the second half of 2018. "It will be challenging, but it won't be as challenging as the F-1 engines or Liberty Bell 7," said Remar. "But in terms of historical importance, this has to rank right up there with one of the most important projects we've had the chance to work on. The room represents such a significant period in our history and to be involved with preserving it is quite an honor." Source: collectSPACE.com by NASA and the architectural firm Stern and Bueckel of Houston. The Cosmosphere plans for the restoration of the consoles to be complete by the second half of 2018. "It will be challenging, but it won't be as challenging as the F-1 engines or Liberty Bell 7," said Remar. "But in terms of historical importance, this has to rank right up there with one of the most important projects we've had the chance to work on. The room represents such a significant period in our history and to be involved with preserving it is quite an honor." Source: collectSPACE.com.
CAMP REGISTRATION IS OPEN
CAMPS ARE FILLING FAST!

Scholarships are available!
Contact the Education Coordinator at camps@cosmo.org or 620.665.9323 or see cosmo.org/camps.