

ALABAMA SPACE SCIENCE EXHIBIT COMMISSION
QUARTERLY MEETING
February 22, 2019 – 12:00 P.M.

- | | | |
|-----|---|--|
| 1. | Welcome | Homer Hickam |
| 2. | (A) Approval of Minutes
~ ASSEC Annual meeting – November 2, 2018 | Homer Hickam |
| 3. | FY18 Audit | Homer Hickam |
| 4. | Quarterly Center Report | Deborah Barnhart |
| 5. | Business Report
• Finance Report | Louie Ramirez |
| 6. | Team Redstone Update | COL Kelsey Smith |
| 7. | Committee Updates:
Business
Development
Education
Space & Rocket Center/Vision & Plans | Lisa Williams
Waymon Burke
Suzy Young
Craig Naudain |
| 8. | New Business | Homer Hickam |
| 9. | Old Business | Homer Hickam |
| 10. | Announcement of Next Meeting
Business & Executive Committee – Wed, March 20, 2019 | Homer Hickam |
| 11. | Adjourn | |

(A) Action Items
MSFC update in packet
No quarterly update from TVA

**ALABAMA SPACE SCIENCE EXHIBIT COMMISSION
ANNUAL MEETING
NOVEMBER 2, 2018 – 12:00 P.M.**

The Annual meeting of the Alabama Space Science Exhibit Commission (ASSEC) was held on Friday, November 2, 2018 at noon in the Board Room of the U.S. Space & Rocket Center, Huntsville, Alabama.

COMMITTEE MEMBERS PRESENT:

Col. Craig Naudain – Chair
Mr. Homer Hickam – Vice Chair
Mr. John Nerger – Secretary
Dr. Waymon Burke – FY17 Chair
Maj. Gen. Barbara Fast
Dr. Joe Fitzgerald
Mr. Scott Hunter
Col. Roosevelt Lewis
Mr. Joe Newberry
Rep. Howard Sanderford
Dr. Suzy Young
Mr. Tony Zana

NON-COMMITTEE MEMBERS PRESENT:

Ms. Angela Storey, Marshall Space Flight Center
Col. Kelsey Smith (AMCOM)
Ms. Julie Frederick
Ms. Lauren Vandiver (TVA)

STAFF PRESENT:

Dr. Deborah Barnhart
Mr. Louis Ramirez
Ms. Brenda Carr
Ms. Vickie Henderson
Ms. Holly Ralston
Ms. Kim McCain
Ms. Tara Sweeney
Mr. Joe Vallely
Dr. Kay Taylor
Ms. Pat Ammons
Ms. Monika Havron
Ms. Celia Lee

COMMITTEE MEMBERS ABSENT:

Mr. Rey Almodovar
Mr. Philip Cleveland
Dr. Dorothy Davidson
Mr. Jim Rogers
Ms. Lisa Williams

NON-COMMITTEE MEMBERS ABSENT

Mr. Scott Fiedler (TVA)

STAFF ABSENT:

Mr. Chris Myers
Ms. Brenda Perez
Mr. Tom White
Mr. Jay Morgan

WELCOME

Col. Craig Naudain, Chair of the Alabama Space Science Exhibit Commission, called the meeting to order and welcomed everyone to the ASSEC Annual meeting. He also thanked Chef Clementine and the servers for the meal. Ms. Monika Havron was present to record the minutes.

APPROVAL OF MINUTES

Col. Naudain asked the commission to review the minutes of the ASSEC Quarterly meeting held Friday, August 24, 2018. Rep. Howard Sanderford made the motion to approve the minutes. Col. Roosevelt Lewis seconded the motion. The motion was unanimously approved.

ELECTION OF OFFICERS FOR FY19

Col. Naudain asked Dr. Joe Fitzgerald, Chair of the nominating committee to share the recommendation of the committee for the FY19 officer slate. Dr. Fitzgerald reported that the nominating committee consisted of Dr. Suzy Young, Dr. Waymon Burke and himself. He announced the recommendation to the commission was to elect Mr. Homer Hickam as Chair, Mr. John Nerger as Vice Chair, and Mr. Tony Zana as Secretary. The 2019 slate of officers recommendation was opened to the floor and Col Naudain asked if there were any other recommendations. Mr. Joe Newberry motioned to approve the FY19 slate of officers. Dr. Suzy Young seconded the motion. The motion was unanimously approved.

Col. Naudain welcomed and congratulated the new officers. He thanked Dr. Deborah Barnhart and the staff for all they do and added that there are a few pending matters that he will transfer to the new chair, Mr. Hickam. Mr. Hickam thanked the members and said that he was humbled and honored to be chair during the 50th Anniversary of Apollo 11. He also mentioned that he will be in touch with each commission member to ask for their help and encouraged the Commission to question or challenge plans if necessary.

QUARTERLY CENTER REPORT

Dr. Deborah Barnhart thanked the commission for their time and began her annual report:

- The Center has been hard at work, and, just this year, we have broken six records and it is likely that we will break them all again in 2019.
- Mr. Louie Ramirez presented a 10-year history of Revenue and Non-Operating Revenue
 - A remarkable four years has allowed the Center to make significant improvements and establish a line of credit equal to zero. Capacity is a limitation; however, we have plans to address this issue.
 - The Center ended FY18 \$885K in the black and will self-fund the repair of the Saturn V.
 - Over the next few years, we are financially in a very good position to spend about \$5M on necessary repairs and maintenance.
- Rocket Restoration & Planetarium
 - We are waiting for FAA clearance, expected around Thanksgiving, for the crane to be used to clean, prime and paint the Saturn V. A PPG Colorful Communities grant will secure the paint and BSE is our crane company, both are wonderful partners.
 - Pieces of the Mercury Redstone have been transported and restoration has begun.
 - A great deal of work has been done in converting the IMAX theater into a digital theater and planetarium. Please thank Mr. Rey Almodovar for Intuitive's sponsorship of this project.
- Fundraising Updates
 - Ms. Brenda Carr reported that the Center needs \$1.2M for the Saturn V restoration. She is cautiously optimistic about an interested party for the courtyard sponsorship. Ms. Carr is working with social media strategists to host an online campaign and increase the visibility of the Foundation website.
 - *Give 5 to the Saturn V* and the round-up campaigns, which began on Smithsonian Day, have raised over \$5K to date.

- Employees want to raise enough money to pay for the first stage of Saturn V restoration (\$350K), in addition to engaging the community.
- Foundation Updates
 - 305 more scholarships were sponsored in FY18 vs. FY17, totaling 11% of FY18 campers.
 - We have begun reshaping the Foundation into the entity it should have always been for the Center. There are currently three ASSEC commission members sitting on the Foundation; however, this number may increase.
 - Ms. Holly Ralston reported that unique donor donations, when combined with Circutree donations, have increased by 300%.
 - Mr. Kenny Mitchell is publishing a book, *The Cradle of American Space Exploration*, the proceeds from which will go to the Center.
- Education Updates
 - Once the Apollo Exhibit is gone, we are looking at converting the main atrium into a children's science and engineering center with SciQuest equipment.
 - Dr. Kay Taylor reported on FY18 educational reach:
 - 25K Ultimate Field Trips with STEM labs and 65K Spark Lab guests.
 - Almost 3K guests have attended Live Science Shows since July.
 - Partnered with the Huntsville Library Summer Reading program, the Poarch Creek Indians, and Honeywell STEM kits to promote local and global outreach.
 - NASA Rover Challenge hosted over 2K participants, including 632 girl scouts. They also brought a lot of STEM activities to our Observe the Moon Night event.
 - Trainees engaged in 58K hours of engineering challenges and 22K hours of astronomy training. Educators engaged in 23K hours of professional development.
- Camp Updates
 - Our recent SCIVIS camp for visually impaired students demonstrated the best of the Center. We also host camps for the hearing impaired and for all ages across the spectrum.
 - Thanks to Rep. Sanderford for his help in growing the SALSA program.
- Marketing Updates
 - Ms. Kim McCain reported on the Center's partnership with NASA and American Girl this past year. Four sessions of American Girl Camp were held, which our camp team executed amazingly. The power of this brand has extended our reach.
 - Ms. Pat Ammons commented on the special American Girl event held on Super Bowl Sunday last February. Roughly 1400 people attended, providing an amazing chance to reach a new audience.
- Food Service Updates
 - Ms. Vickie Henderson reported that the Space Camp food service team prepared 289K meals and 42K special diet meals during FY18.
 - The Special Event team managed all of the prep for 174 special events.
 - The food service team between Mars Grill, special events, and other areas, such as boxed lunches for daily groups, earned about 3M in revenue.
- 2019 Corporate Sponsorships
 - Dr. Barnhart reported on sponsorships that have already been secured for the coming year.

- Harrison Schmitt, Mike Collins, and several other astronauts are planning on attending this summer's festivities.
- Apollo 50th Anniversary
 - The Apollo exhibit is being created with Flying Fish. The Center is in talks with the Smithsonian Institution to potentially bring the Apollo 11 capsule traveling exhibit, *Destination Moon*, to the Center after our Apollo exhibit leaves.
 - Rocket launch – AIAA, Boeing, Boy Scouts, Girl Scouts, National Association of Rocketry, NASA TV, and Estes are partnering with the Center to make this event possible. Trial launches will be occurring between now and then.
 - Apollo Homecoming Dinner – casual dinner with original music written for the event
 - Friday Downtown Party and Saturday Summer Fest Concert.
 - Bronze statues of Dr. Wernher Von Braun and President Kennedy are being considered to be built by Sloss Furnace.
 - Dr. Barnhart concluded by presenting new NASA messaging and discussed the new NASA cases with images of Earth & Space Technology to be hosted in the main museum entrance.

MARSHALL SPACE FLIGHT CENTER UPDATE

Ms. Angela Storey was present to provide the Marshall Space Flight Center update:

- The 25-year anniversary of the Rover Challenge is next year and will be focused on the Moon Buggy.
- Ms. Storey meets biweekly with the museum and exhibit teams and Dr. Barnhart.

TEAM REDSTONE UPDATE

Col. Kelsey Smith and Ms. Julie Frederick were present to provide the Team Redstone update:

- Col. Smith will brief the Pentagon on December 6 concerning the lease of property to the Center for Exploration Park. The Summit and golf course will be moved outside of the fence to improve access and create revenue. Dr. Barnhart challenged COL. Smith to get the Redstone Visitors Center MOA signed.
- Trusted traveler program starting in the new year will encourage ridesharing.
- Instituting a year-long recreational badge for MWR access and facilities use. Must pass a background check to qualify and cannot get into buildings.
- Col. Smith discussed Redstone Arsenal's contribution to education and impact aid for Madison City, Huntsville and Madison County, as well as on Alabama's GDP.

TENNESSEE VALLEY AUTHORITY UPDATE

Ms. Lauren Vandiver was present to provide the Tennessee Valley Authority update:

- Today TVA announced one of its largest solar projects which will directly impact Colbert County.
- Growth in this area is also occurring in the process of upgrading Brownsferry.

OLD BUSINESS

Mr. Hickam thanked Mr. John Nerger and Mr. Tony Zana for stepping into their new roles. He stated that he will be working to determine committee chairs and schedule meetings for the next year. There are a few committee chair positions to fill. He requested that each commission member communicate their desire to remain on or chair a committee. Mr. Hickam reminded the Commission that each member must meet an attendance requirement of 60%.

NEW BUSINESS

There was no new business to report.

Dr. Barnhart thanked Ms. Celia Lee for working so closely with ASSEC and announced that Ms. Havron is now the Center's point of contact for ASSEC.

Rep. Sanderford announced that a sample ballot was available if anyone would like one.

ANNOUNCEMENT OF NEXT MEETING

Mr. Hickam announced the next meeting will be the ASSEC Business and Executive Committee meeting on Wednesday, December 19, 2018 at 3:30 p.m.

ADJOURNMENT

The ASSEC quarterly meeting was adjourned at 2:00 p.m.

MR. HOMER HICKAM, CHAIR
ALABAMA SPACE SCIENCE EXHIBIT
COMMISSION

MR. TONY ZANA, SECRETARY
ALABAMA SPACE SCIENCE EXHIBIT
COMMISSION

MARSHALL ACTIVITIES IN WORK

- Loan of a 1:50 SLS model for the new 'Apollo When we Walked on the Moon' exhibition is complete
- Recent delivery of a new interactive SLS exhibit to be located in the Davidson Center next to the 1:10 SLS model
- Space Act documents are in development for the support by MSFC of work required for the Pathfinder shuttle display.
- New display cases are installed & the text cabinet is near completion in the NASA Visitor Information Center area that is free to the public in the ticket desk.

Relevant Current Events for NASA /MSFC

NASA SLS Liquid Hydrogen Tank Test Article Loaded into MSFC Test Stand

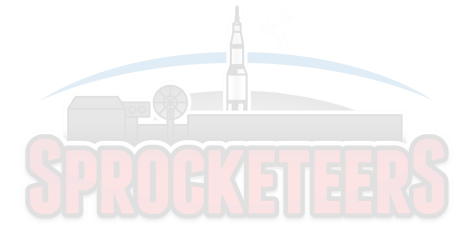


Jan. 15, 2019 The largest piece of structural test hardware for America's new deep space rocket, the Space Launch System, was loaded into Test Stand 4693 at NASA's Marshall Space Flight Center in Huntsville, Alabama Jan. 14, 2019. The liquid hydrogen tank is part of the rocket's core stage that is more than 200 feet tall with a diameter of 27.6 feet, and stores cryogenic liquid hydrogen and liquid oxygen that will feed the vehicle's RS-25 engines. The liquid hydrogen tank test article is structurally identical to the flight version of the tank that will comprise two-thirds of the core stage and hold 537,000 gallons of supercooled liquid hydrogen at minus 423 degrees Fahrenheit. Dozens of hydraulic cylinders in the 215-foot-tall test stand will push and pull the tank, subjecting it to the same stresses and loads it will endure during liftoff and flight.

Image Credit: NASA/Tyler Martin Last Updated: Jan. 15, 2019 Editor: Jennifer Harbaugh

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ASSEC Business Committee Meeting

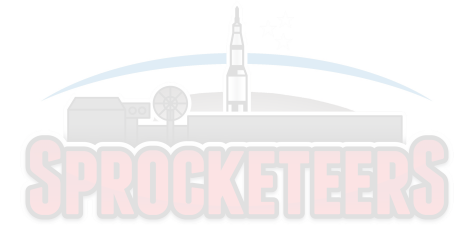
20 February, 2019

U.S. Space & Rocket Center
STATEMENT OF FINANCIAL POSITION for Internal Reporting (non-GAAP)
For the Four Months Ending Sunday, January 27, 2019
(Dollars in Thousands)



	January			Fiscal Year Cumulative to date			Comparison	
	Actuals	Budget	Variance	Actuals	Budget	Variance	FY 2018 Cum to date	FY 2018 to FY 2019
Revenues								
Admissions	\$218	\$124	94	\$1,313	\$957	356	\$1,217	96
Merchandise Sales	178	158	20	991	833	158	793	198
Food Service Sales	52	37	15	320	243	77	328	(8)
Special Events/Night Functions	44	68	(24)	570	562	8	606	(36)
Discounts/Refunds	(6)	(5)	(1)	(28)	(25)	(3)	(24)	(4)
Camp Income	428	419	9	1,944	1,996	(52)	1,937	7
Advancement Income	0	198	(198)	205	524	(319)	8	197
Other Income	70	90	(20)	296	296	0	380	(84)
Total Operating Revenue	984	1,089	(105)	5,611	5,386	225	5,245	366
			-9.6%			4.2%		7.0%
Expenses								
Cost of Goods Sold	190	162	28	1,058	997	61	902	156
ASSEC Employees	399	423	(24)	1,761	1,825	(64)	1,820	(59)
FDN Leased Employees	640	585	55	2,540	2,481	59	2,297	243
Payroll & Related	260	281	(21)	1,108	1,192	(84)	1,021	87
Utilities	111	101	10	461	419	42	425	36
R&M (Sat V painting accrual)	31	94	(63)	731	795	(64)	160	571
Insurance	56	49	7	221	182	39	175	46
Outside Services	69	158	(89)	352	557	(205)	653	(301)
Advertising	41	79	(38)	189	254	(65)	242	(53)
Interest Expense	26	28	(2)	105	118	(13)	118	(13)
Other Expenses	293	340	(47)	1,130	1,395	(265)	1,261	(131)
Total Operating Expenses	2,116	2,300	(184)	9,656	10,215	(559)	9,074	582
			8.0%			5.5%		
Operating Income (Loss)	(1,132)	(1,211)	79	(4,045)	(4,829)	784	(3,829)	(216)

Sat V



U.S. Space & Rocket Center
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(Dollars in Thousands)

	January			Fiscal Year Cumulative to date				Comparison	
	Actuals	Budget	Variance	Actuals	Budget	Variance		FY 2018 Cum to date	FY 2018 to FY 2019
<u>Non-Operating Revenue (Expenses)</u>									
Revenues									
Lodging Tax (AL HB774, Restricted Use)	96	92	4	431	419	12		411	20
Licensing Income	83	0	83	100	228	(128)		90	10
State Appropriations	94	88	6	377	352	25		352	25
Capital Contributions (non-cash)	0	0	0	0	5	(5)		0	0
Capital Contributions (New building in plan)	0	42	(42)	0	168	(168)		0	0
Total Non-Operating Revenue	273	222	51	908	1,172	(264)		853	55
Expenses									
Depreciation	250	250	0	1,000	1,000	0		1,080	(80)
Cap Expenditures (as expended w/ commitments)	0	0	0	172	172	0		0	172
Total Non-Operating Expenses	250	250	0	1,172	1,172	0		1,080	92
Non-Operating Income (loss)	23	(28)	51	(264)	0	(264)		(227)	(37)

Cash Management



as of Feb 13, 2019			
	Jan 2019	Jan 2018	Positive Change
Cash	3,657,333.00	1,224,472.00	2,432,861.00
Line of Credit	0.00	0.00	0.00
Accounts Payable	-1,119,337.00	-957,094.00	-162,243.00
Short-term Cash Position	2,537,996.00	267,378.00	2,270,618.00
Long-term Debt	9,255,950.00	9,815,865.00	551,112.11
Foundation Cash	1,380,047.00	1,000,218.00	