
Missouri S&T: Jim Drallmeier, Nolan Brunnerworth and Lila Kolker.

The meeting convened at 9:02 a.m.

Pat Davidson recognized the 5/10/15 Year Members who were present.

Minutes
There was no discussion on the minutes from last general membership meeting (October 18, 2013). Bill motioned to accept these minutes, Lisa seconded the motion, and the members present approved the motion.

Treasurer’s Report
Randall Wood reviewed the Treasurer’s Report for last fiscal year. The total of the spendable and the quasi-endowment is $89,697.84.

Spendable Account -
Beginning Balance 07-01-2013 $ 90,680.62

Income -
Gift Donations to AMAE $ 63,548.53
Gift Donations to Instructional Labs $ 31,972.31
Reimbursements for Induction Dinner $ 2,330.00
Annual Distribution $ 2,401.80
Investment Income $ 1,003.13
Total Income $101,255.77

Expenses
Induction Costs $ 7,413.74
Misc Operating Costs $ 2,000.00
Discretionary Funds $ 2,000.00
Design Teams/Organizations $ 32,400.00
Facilities Committee – DTBW $ 0.00
Instructional Labs $100,000.00
Scholarships $ 11,000.00
Communication Committee $ 314.50
Newsletter $ 5,000.00
Seminar Series $ 3,000.00
Total Expenses $161,799.28

Spending Account Balance $ 30,137.11
Quasi Account -
Beginning Balance 07-01-2013 $ 53,833.56
Income
Investment Procedures Gain/Loss, Interest $ 8,604.65
Total Income $ 8,604.65
Expenses
Annual Distribution to Spendable $ 2,401.80
Endowment Management Fee $ 475.68
Total Expenses $ 2,877.48
Ending balance $ 59,560.73
GRAND TOTAL – 06-30-2014 $ 89,697.84

Randall then reviewed last year’s balance sheet. The Academy runs with an interim budget until this meeting when we decide how much to support the students teams, duct tape and bailing wire (DTBW), instructional labs, etc. Randall then reviewed the 1st quarter treasurer’s summary for FY 2014-2015. The total of the spendable and the quasi-endowment is $85,489.07.

Spendable Account -
Beginning Balance 07-01-2014 $ 30,137.11
Operating Carryover $21,224.80
Instructional Lab Carryover $ 8,912.31
Income - $ 2,548.34
Donations – General Fund $ 1,875.00
Donations – Instructional Labs $ 0.00
Reimbursements, Annual Distr, Invest Inc $ 673.34
Expenses $ 6,373.20
Ending balance $ 26,312.25

Quasi Account -
Beginning Balance 07-01-2014 $ 59,560.73
Income $ 375.10
Expenses $ 759.01
Ending balance $ 59,176.82
GRAND TOTAL – 09/30/2014 $ 85,489.07

Randall Wood went over the team request sheet and sheet comparing the proposed year to the previous year. We will discuss these more this afternoon. DTBW list is replacement of miscellaneous equipment in the labs.

Officers
Pat Davidson announced the slate of officers for the 2014-2015 fiscal year:
Patrick Davidson – President
John Eash – 1st Vice President
Paul Niewald – 2nd Vice President
Randall Wood - Treasurer
Jayant motioned to approve this slate of officers, Lisa seconded the motion, and the members present approved the motion.

The committee chairs and vice chairs are:
- Communications Committee: Steve Thies
- Facilities Committee: Russell Flye
- Special Events Committee: Dale Pitt
- Membership Committee: Steve Bass
- Scholarship and Excellence Awards Committee: Bart Moenster,
- Senior Design and Technical Resource Committee: Randy Foster
- Strategic Planning Committee – Paul Niewald
- Past Presidents Committee– Lisa Sombart
- Liaison to SDELC –Steve Moss
- Liaison to Vision 2020 – Roger Dorf

Pat Davidson reported on the retiring officers and chairmen. The Academy appreciates all the service these individuals gave to the Academy.
- President – Lisa Sombart
- First Vice President – Pat Davidson
- Second Vice President – John Eash
- Past Presidents Committee Chair – Chris Thomason
- Special Events Chair – Paul Niewald
- Strategic Planning Committee Chair – John Eash

**Student Design Learning Center Update**

Lisa reported that Steve talked to student design teams and told them the Academy will fund them about the same as next year. If they want more money their presentations will need to be out of the park and if not so good, then they may not get as much. Chris Ramsay, Director of SDELC, will attend the student design presentations this afternoon.

**Approval of the 2014/2015 Strategic Plan**

John Eash presented the updated strategic plan for the Academy. The strategic plan was restructured to be consistent with the campus strategic plan. Jim Berkel motioned to accept the AMAE Strategic Plan, Bill Ricketts seconded the motion, and all members present approved.

**Approval of ByLaws**

John Eash presented the proposed changes to the ByLaws. The proposed change is to Section VII, Section B so a pictures of each member of the academy shall be prominently displayed (prefer to be electronic). It was suggested that we get some student feedback on what is meaningful to the students. The old electronic version included some information about the members. Maybe we could have large pictures of the officers with small pictures of everyone (3x5 pictures). We could have some pictures on the first page and then scroll to the other members. It may be more beneficial to have it where the students are sitting. This proposed
change was brought up at the membership meeting last year and was put in the announcement for this meeting.

The proposed change is: Eliminate the words “A framed photo (eight by ten inches) and a name plate of each Honorary and Active…” and start with “Each member of the…“ Ted Peachee motioned to accept this change to the ByLaws, the motion was seconded by Jayant Ramakrishnan, and approved by all present.

Missouri S&T Development Report
Nolan Brunnworth provided a report on campus. There was a discussion during this presentation. It costs about $2 million to get a National Academy caliber faculty member to come to our campus. Dr. Drallmeier talked about startup packages. A National Academy member brings visibility to campus that brings up everyone else around them. If you want to be competitive with hiring faculty, you must have a good startup fund so you must compete with other institutions that are also looking to hire these people. One third of our faculty are new so we are developing these so they can elevate us in the future. Campus is looking at possibly hiring four for campus but not one for every department. This would raise the profile of the university. The number of students taking the ACT/SAT that has listed S&T as one of the top 4 schools they want their scores sent to has increased dramatically.

Dale Spence and Jeffery Thornburg (AE) are being recognized with a distinguished young alumni award at homecoming. On the strategic initiative to fund labs on campus campus received 11 proposals. Since they found more funds, all 11 proposals were funded. Originally there was $500,000 earmarked by UM System but you had to come up with matching funds. Dr. Drallmeier explained the new initiative funding from the UM System. This new initiative funding may be for rate funds (continuing) or for cost funds (one time). Campus was also very successful with the program where a $20,000 donation for scholarships received a match. We need to revisit Academy members who are close to being OGS but are not aware of it.

Break was taken from 10:32 to 10:49

Department and Strategic Plan Update - Jim Drallmeier
The Department is hiring a couple faculty members. Currently we are not sure how Campus is going to support startup packages. We are still figuring out how we operate under the new college structure. Departments have operated autonomously over the past few years. How is the Department aligned with the 3 signature areas? The faculty who we are currently recruiting in the AE area could fit into extreme environments signature area. We are continuing to work on the advanced manufacturing signature area. The campus used a process for deciding the signature areas. Campus had a committee of 20 and Dr. Krishnamurthy and Dr. Drallmeier co-chaired this committee. Faculty submitted proposals for these signature areas. The requirement was that we had to have a presence in the area already in order to submit a proposal. The committee then looked at the gap in these areas and what would be needed to make this group world class. The committee made recommendations, and the Provost and Chancellor made the final decision. The four signature areas on campus are currently recruiting 12 faculty. In order to get these areas to grow, the groups in the areas need to make the connection to industry.

Theme C in the Academy strategic plan – B and C – what are the mechanisms that we can put in place to accomplish these? How do we initiate these actions? We can work on operating
guidelines and refining those and then have a discussion to consider whether a committee should take over this task. We will put this on the agenda for the next board meeting. Boeing does a lot of research projects but is there a marketing tool to let companies know what facilities and research is available at S&T that their company could use? We would need to identify people within the Academy to serve as a liaison with companies. We can discuss and decide if we can find a POC. Companies look for teams on proposals that need to have a university component – how do we help that interface? We need a bridge to the people who can help with this connection and can respond quickly.

CAMT 10th Anniversary Activities

Dr. Bristow made a presentation on the Center for Aerospace Manufacturing Technologies (CAMT), and they are having a 10th anniversary celebration on October 20. CAMT is totally funded externally. This is focused on graduate students. We are leading in the area of additive manufacturing. CAMT is also working in the area of machining, composites, materials, joining, and nano-manufacturing. There is a list of projects that are leveraged which are funded by federal sources. Dr. Bristow will send the slide show to Cathy for anyone who would like to see it. The oil and gas market is currently doing what one of the CAMT projects are doing but CAMT lacks the connection to become a partner with the oil and gas companies.

Committee Break-Out Sessions - The breakout session and lunch started at 11:21.

The meeting will reconvene in 140 Toomey Hall after lunch.

The meeting reconvened at 1:47 in Room 140 Toomey Hall.

Student Design Team Presentations
- Solar House
- Formula Electric Car
- AE Senior Design
- Human Powered Vehicle Group
- Mars Rover Team
- Formula SAE
- Advanced Aerospace Vehicle Group
- M-SAT
- Miners in Space
- Concrete Canoe (Since the meeting was running early and Miner Baja team members were not here yet, the Concrete Canoe presented before the Miner Baja SAE.)
- Miner Baja SAE
- Robotics Team
- Solar Car Team

Student design team presentations ended at 3:32. There was a discussion on the team presentations. FSAE and Mars Rover tied for best proposal. The members presented informally voted to award each team $100. The Mars Rover team won the “Best Team Presentation” ($100).
2014/2015 Budget Approval & Discussions - Randall Wood
There was a discussion on the budget. Steve Moss motioned to accept the revised budget, Steve Bugg seconded the motion, and all present approved the motion.

Adjournment
There was a motion for adjournment by Steve Bugg, seconded by Lisa Sombart, and approved by the members present at 3:45.

Just a reminder of the Open House in the atrium.

Respectfully submitted,

Lila Kolker
Administrative Associate
Department of Mechanical and Aerospace Engineering