

**STL AIAA Council Meeting  
December 7, 2006**

**4:30 – Call Meeting to Order (Chris Tavares)**

**Attendees:**

**Chris Tavares**

**Dale Pitt**

**Frank Youkhana**

**John Donigan**

**Mike McCoy**

**Trent Duff**

**Carrie Kniker**

**Fred Roos**

**Anita Askman**

**Tom Mroczkowski**

**1. Chairman's Remarks (Chris Tavares)**

- 1.1. Have a Happy Holiday!
- 1.2. Don't forget, a few of us are going to ASM in Reno soon! Matt Ruger associate fellows dinner, can anyone go with Chris to this dinner? Can Darin possibly go with him, or Karen, or Dale? Chris will figure out what time the dinner is, either Monday or Wednesday.
- 1.3. Need judges for international student conference. Dale will review Propeller report. Titles are as follows:
  - 1.3.1.1. Undergraduate
    - 1.3.1.1.1. Analysis of Pulsed Plasma Thruster Plume Characteristics
    - 1.3.1.1.2. Reducing Water Vapor Intrusion in Pressure Sense Line of an Upper-Stage Rocket Engine
    - 1.3.1.1.3. Space-Based Antenna Morphing using Reinforcement Learning
  - 1.3.1.2. Graduate
    - 1.3.1.2.1. A Numerical Blade Element Approach to Estimating Propeller Flow Fields
    - 1.3.1.2.2. Acoustic Source Localization and the Echo Problem
    - 1.3.1.2.3. Numerical Simulation of the Splashdown problem
    - 1.3.1.2.4. Sonic Boom Prediction Using Euler/Full Potential Methodology
- 1.4. We have 1 hour in the Flight Simulator from Jim Young, let's do something with it! We'd like to give it as a grand prize during the membership drive. We could probably have 4 people in the simulator in an hour. Twenty minutes of briefing, then 40 minutes of flying. The membership drive will be in March or April so we've got lots of time to plan something and get some publicity out.
- 1.5.

**2. Vice-Chairman's Remarks (Tom Mroczkowski)**

2.1. Nothing to Report

**3. Secretary's Report (Anita Askman)**

3.1. Nothing to Report

**4. Treasurer's Report (Trent Duff)**

4.1. Banking Accounts Balances

4.1.1. Checking \$ 7,526.14

4.1.2. Savings \$ 2,646.52

4.1.3. CD \$ 1,062.70

4.1.4. Bulk Mail \$ 325.71

4.2. Total Assets \$11,561.07

4.3. Chris wants \$2000 moved to the savings account since the savings has a slightly better interest rate.

4.4. Dave Buis from McClellan High School has receipts adding up to \$500 from the career Show

**5. AIAA National News/Info (Chris Tavares/Larry Brase)**

5.1. ASM is in Reno Jan 8 – 11

5.1.1. Everyone is invited to attend the TAC/Membership Workshop on Sunday, January 7 (Chris will be there for most of it, Fred will be there. Chris is flying in on Saturday, he will be at TAC membership from 12-4, lunch is provided. You need to register with Betty if you plan on going and tell her that you're a member of RAC IV). Dale and Fred are arriving on Sunday night, Darin is arriving on Sunday morning.

5.1.2. The International Student Paper Conference will be held on 8 Jan 2007. Chris still needs a couple of technical reviews and we some oral judges.

**6. RAC V News/Info (Dale Pitt/Larry Brase)**

6.1. RAC V Meeting will be Tuesday, January 9 at 2:00 PST (Reno)

**7. New Business**

7.1. Nothing to Report

**8. Old Business**

8.1. Video Committee (Joel, Tom): Joel and Tom talked to Karen about what she and Mark Holly had done. Joel and Tom are going to pick it up the project where they left off. When Karen's schedule clears up a bit, Tom and Joel will discuss further details with her.

8.2. By-Law Committee (Tavares, Kniker, Brase, Duff, Swartwout): Chris will send out for approval from everyone. He will check the bylaws to see how the process works. If it gets approved at the section level it will get approved at the upper levels. Anita and Chris will get them out to the group and everyone can vote.

8.3. Book project: The book project has some overlap with Fred's project. Joel has a copy of the last book, "Fifty Years of Flight." Maybe this older book could be

updated, a smaller project but still a good one. We could update it with color pictures vs. the black and whites. The last entry in that book is the 1981 F-15. Not too many aircraft have been made since then, but there have been quite a few other projects. Does anyone like that idea? Chris thinks it's a good idea. The Wichita book is a picture book with captions; this is similar to this project. Fred's project has more history but still lots of pictures. At the 50<sup>th</sup> anniversary the last book was created, initially distributed at the St. Louis Section 50<sup>th</sup> Anniversary Banquet, during the spring of 1970. Because everyone in the section didn't attend banquet, extra copies were made and distributed. Can we do something like this and roll out the book for some significant event? Possibly at the May awards banquet at the end of the year.

8.3.1. May Awards Banquet: We have extra cash to help subsidize tickets. Chris has a connection in the customer relations office and they might be able to provide contacts for us and do some of the leg work on getting a nicer place than Sybergs. We can get lots of information from them. Do we want to splurge a little bit for 75<sup>th</sup> Anniversary, something more than we would normally do? Do we want to do the 75<sup>th</sup> at another meeting, etc? Fred tried to get Tom crouch for Dec, but that didn't work out. The backup plan was to move him to Feb. March, April, and May are open for Tom Crouch. Mike Francis may be a possibility for May meeting. The newsletter is not quite right. Mike Francis is the ex-program director of JUCAS at DARPA. Chris heard that Mike Francis was not doing anymore speaking events this year. If we don't have him lined up for May, maybe we can schedule Tom Crouch for May to wrap-up the theme of "AIAA over 75 years". Talk to Darin and see if he's done anything with Mike Francis and let's see if we can go with Tom Crouch. Chris will email him, copy Fred. We need to find out what day the BTEC meeting is on, a lot of people will be at the hotel during this meeting. Maybe we can coordinate the dinner meeting in February during this event and encourage lots of outside people attend. Kevin Wise is doing BTEC this year, maybe we can see who he's got coming up.

8.3.1.1. How extravagant do we want to make the AIAA 75<sup>th</sup> Anniversary dinner meeting? AHS and Sikorski had events at the stadium club. Do we want to try the stadium club overlooking the baseball field? We could promote the event enough in advance. We may get more turn out if we hold the event at a nicer place. Perhaps we could subsidize it enough so people wouldn't have to pay more. The history museum is an idea, it would be a good place for Tom Crouch. We tend to avoid the art museum, planetarium, and science center because of Wolfgang Puck catering. The Zoo is another potential location. Carrie has had been to an event there and the food was good. There is a ballroom / large open room in the history museum which would be ideal. The food is pricey there so we'll have to look into it, it may be Wolfgang Puck but it's worth investigating.

## **COMMITTEE REPORTS**

**1. Arrangements (???)**

1.1. Arrangements for Fred's talk are made with the prologue room for Dec 14<sup>th</sup>, this includes sandwiches, chips, cookies and soda

**2. Attendance (???)**

2.1. 38-41 people at our last meeting with Mike Oleschuk (sp?) AHS representation was there.

**3. Career Enhancement (Sal Liguore)**

3.1. Nothing to Report

**4. Education (Mike Swartwout)**

4.1. Nothing to Report

**5. Historian (Fred Roos)**

5.1. Tom Crouch fell through for December but maybe can get him for May. December speaker is set up, it's Fred. We need to talk with Darin to see what he has planned for programs. We could possibly use Fred's other topic for a Tech Specialist meeting. Monday afternoon in Reno is Fred's history presentation. Trent suggested Joe Debronski, Fred ran into him (he is a retired chief of flight test that wrote a book about his experiences), he seemed interested in doing a program. Maybe have Joe and Larry Walker (X36 test pilot) come in and split a program half and half, possibly the 3<sup>rd</sup> week of April would be a good time. Trent and Fred will collaborate on getting that set up.

**6. Honors & Awards (???)**

6.1. Engineer of the year nomination form was sent out. If you can get it in quickly there is still a little bit of time. It's a national award to be given out in May or April.

**7. Membership (Dale Pitt & Brandon Wegge (vice chairperson))**

7.1. Brandon has a list of people that need to be upgraded.

7.2. Probably going to have a lunch meeting after break with the new people and the council members for an orientation.

7.3. Dale has an idea for members making senior tech fellow. We could invite these people to speak on why they made tech fellow. John Griffith is the only STF-elect in the STL area.

**8. Newsletter (Dave Morgan)**

8.1. Nov Newsletter is in distribution cycle.

8.2. Making the Dec 06 newsletter

8.2.1. Need articles

8.3. Will attempt an e-newsletter and regular mailing. Dave needs a new membership list so he can get emails updated.

**9. Pilot Education (Bill Jaconetti)**

9.1. MACTS Jan 18-20 at Busch Student Center

**10. Pre-College Outreach (Karen Copper)**

10.1. Nothing to Report

**11. Programs (Darin Haudrich)**

- 11.1. December 14 – Fred Roos
- 11.2. January 25 – DL Gene Austin @ Parks
- 11.3. February 22 – DL @ WashU
- 11.4. March – TBD
- 11.5. April – TBD Maybe Joe Debronski and Larry Walker
- 11.6. May – TBD Maybe Tom Crouch on 75 Years of AIAA
- 11.7. Frank will be contacting Robert Springer to setup a TS/Section meeting.

**12. Public Policy (Mark Holly)**

12.1. Sent out public policy notice

**13. Publicity (Charleen Hutchinson)**

13.1. Fred's flyer went out for "Sun Run to Streak Eagle"

**14. Retirees/Public Liaison (John Mohr)**

14.1. Nothing to Report

**15. Service Projects (Joel Milkamp)**

15.1. Need to report the upcoming science fair in the newsletter. We think it's in March this year.

**16. Tech Specialist (Frank Youkhana/Paul Pillar)**

16.1. Trent has been talking to two different Bob Springer's, one of which is the one we would like to get for the Tech Specialist meeting in January.

**17. Webmaster (John Donigan)**

17.1. Fred's meeting is out on the websites

**18. Young Professionals (Gary Fears)**

18.1. Nothing to Report

**19. Young Professional Awards (Tom Mroczkowski)**

19.1. YP call is out in the newsletter. Tom will follow up on email, he will also contact the functional leaders he knows. Likely to just have one bigger batch of awards this year.

**20. Strategic Planning (Larry Brase)**

20.1. Queried people on the Reno conference to see who is going where. Still need to hear back from some people.

20.2. Mary Ellen Shook is retiring in May. Reno is the last time for everyone to see her face to face. Asking for sections to put something together as a send off.

**21. Advisors (Carrie Kniker, Mike McCoy, Walt Reschke, Fred Roos)**

21.1. Nothing to Report

**ADJOURN MEETING 5:42**