Call to order 6:00 pm by Ken, the Section Chair

Present (In-Person): Ken Lui, Gary Moir
No Present: Arpie Ovsepyan, Courtney Best, Marty Waldman, Seth Potter

Section Chair Report – Dean

- Minutes Draft review/approval for September 13 Council Meeting
  - Ken indicated the minutes draft for the September 13 Council Meeting was compiled, based on Lynn’s and Ken’s notes. It was sent 2-3 times (9/15, 9/27, 10/5), and showed it to the Council in the beginning of this meeting.
  - It used to be that the council members reviewed the draft in the beginning of the council meeting and approved it. To compensate for the limited time available, it was provided several times before Council Meeting. But since only Dean and Lynn indicated reading it, and Gary partially, it was postponed till later for the next Council meeting, to give council members more time to review it. In the beginning of the next council meeting, we will just ask people to approve it.
  - Dean urged everyone to review it before the next council meeting, as it’s the duty of the council members.

- Newsletters
  - September Newsletter was released on September 30. (Cover Story: NASA DART Mission Impact on Sep. 26)
  - Section Newsletters are integrations, also Section reports to the public. Encouraged section newsletter contributions from the council.
  - With the flipbook version as well since 2020/2021 on https://aiaa-lalv.org/download as well.

- Oct. 29 Section Awards/Appreciation Lunch
  - Awardees’ lunches will be covered, others will be required to pay.
  - All council members will receive their Section appreciation certificates.
  - Awardees will receive additional recognition.

- AIAA HQ Finance and 50% rebate reduction for local professional sections
  - Have been in deficit mode for years, but during pandemic, the losses were much higher
  - 50% reduction for rebates to sections from this year for the next few years
  - Reductions of IOD TC activities, increase membership fees, cancel travel supports, etc. measures
  - Domain Strategies as a way to consolidate/save (yet to see)
  - The Section has been in a save mode anyway
  - Website→ Google Sites with aiaa-lalv.org. A saving for $800-$1,600 for 3 years. Will continue to check with Marty for aiaa-lasvegas.org
  - Storage $62.5 / month, from ~$150 /mo in 2019, huge savings
  - Piggyback Section meetings/events / combined, like Oct 15 “AIAA LA-LV Saturday”
  - 9/20, 9/26, 9/28, 10/1, 10/6 events are balanced.
  - Have been doing fund raising / sponsorship (Oct 6) / donations
  - Combining events together in one venue, and inexpensive / economic places
  - Better retaining members, recruiting, helping

- Funds/Grant/Donations and the Saving Modes
  - Received from HQ $543 for the Section Meeting on Aug. 20 (“Making Space for Women”)
  - Section Meeting Event on Oct 6 got sponsorship from a company, working on further possibilities.
  - Donations need to be: No service in return, just purely donation for no strings attached, Not being controlled, Not converting/ losing members to others.
  - Funds/Grant/Donations from external sources
  - Inexpensive / economic meeting rooms.
  - Dean recommended cautions for getting sponsorship. Ken echoed we needed to be very careful, as we a neutral and reputable non-profit organization.

- Possible T-shirts for Council members and guests (No HQ funds)
• Received samples, $14-$16 per piece, 50 pcs total -> seeking external funds. Different quantities affect unit price.
• Maybe not for sale, due to the original agreement with the winning students for non-profit awards, plaques, monuments etc.

• Possible new tablecloth with patterns (No HQ funds)
  • Cut price down to $250-$350. -> Seeking external funds

• “AIAA LA-LV Saturday” on October 15
  • Adding value to AIAA/LA-LV Sections. Demo/tutorials.
  • First time. Just an example. The Chairs/Officers don’t need to attend
  • If don’t have time, in person or online, but can provide planning for the sub-meetings, thoughts, liaison/connections.
  • It can be regular monthly, or at other times. Recording message relays.
  • Combination of smaller meetings / topics.
  • Gain supports and provide feedback.

• Previous subjects:
  • Please refer to the PDF charts (Section Chair)

Vice Chair Report – Dean
• Dear mentioned we need to be very careful trying to find sponsors, as there could be issues if not careful. Ken echoed and indicated the careful processes from the previous Treasurer, Marsha, and Section Chairs.
• Dean’s commented on HQ’s loss and financial issues/measures, and commented that cutting expenses would not be the best way. It’s important to increase ROI for the Section and AIAA, to make it relevant, pushing career, development.
• Dean mentioned it’s important to add values to AIAA/LA-LV Section. Ken echoed, and indicated that has been also the reason for the events, and also the October 15 “AIAA LA-LV Saturday” for quality networking and more explanations of AIAA and membership benefits, demos and tutorials, to keep people aware of the growing value and relevance of AIAA/LA-LV Section. Wish more could participate.
• Roz commented that she felt there was no brochure on AIAA membership, and we needed to do that. She could help making some brochures and videos, with Dean’s lead, like “Why join AIAA?”
• Ken mentioned Sherry has been showing some excellent slides for membership benefit introductions, and she has been doing a wonderful job introducing AIAA membership and its benefits. We have been displaying those with some additional charts. We have been doing so diligently. In fact, this was just discussed in the Council Meeting on September 13, and Ken showed a few charts from those prepared by Sherry.
• Post-meeting comments made by Ken: AIAA already has several existing professionally-made videos and brochures on AIAA and membership. It’s not there is nothing. We have been displaying those and distribute monthly if not weekly in our events/exhibitions for years. And they were updated regularly
  • https://www.youtube.com/watch?v=OyPd6tGsCBQ
  • https://www.youtube.com/watch?v=IklnW7xRgU8
  • https://www.youtube.com/watch?v=4vco8L7QQ5w
  • https://www.youtube.com/watch?v=Uu9XBzKHlpk
  • https://www.youtube.com/watch?v=FaitcKXBt-M&t=128s
  • https://www.aiaa.org/membership/join-or-renew-your-aiaa-membership/membership-materials
  • https://www.aiaa.org/membership
  • https://www.youtube.com/watch?v=FaitcKXBt-M&t=128s
And those existing ones in the pictures below in our hands and that we routinely handed out in our events/exhibitions, and more. We routinely handed out those or displayed them every 1–3 weeks.

- Branding and representation are the functions of the AIAA HQ. They have paid employees routinely discussing, designing, approving those. The local sections are more for actions, like the Annual Awards Dinner, and our individual responsibilities described in the Bylaws.

- It might be confusing to circulate additional videos with the existing videos with the AIAA Executive Director, and the existing video/brochures. People might be confused with various versions, and HQ might have certain ways that they want AIAA to be represented, as there could be legal issues. AIAA HQ has paid legal experts/office to handle those.

- Sherry is our Membership Chair, and she needs to be involved for the efforts. But cautions are urged.

- Dean suggested that Corporations should use AIAA for recruiting.

- Corporate career links on the launch window, but AIAA already has Career link on AIAA Website. [https://careercenter.aiaa.org](https://careercenter.aiaa.org/)

- And the Section has been working on a career link ([https://engage.aiaa.org/losangeles-lasvegas/viewdocument/career-job-and-internship-web-lin](https://engage.aiaa.org/losangeles-lasvegas/viewdocument/career-job-and-internship-web-lin)), but not to repeat the same thing companies already posted that everyone can find on their websites, or to advertise for any specific companies. Before Pandemic, this was done through event networking and individual efforts. People already have the online job listing from companies. There is no need to repeat those. And we are not company-contracted headhunters, job agents, of a job center. Networking is the key. And we had a few career events, like mentor match-making in the past.

- Ken mentioned we have been posting many videos on the AIAA LA-LV YouTube channel, and those have been adding value to AIAA/Section, and attracting members, with membership introductions at most of the events. Ken urged people to look into those existing long-term efforts. [https://www.youtube.com/channel/UCCJrx_vB7oxnU6T1yinEapq](https://www.youtube.com/channel/UCCJrx_vB7oxnU6T1yinEapq)
• Ken echoed what Dean said. Dean is very knowledgeable. But the Council Meeting time is limited for the discussion of this topic. He asked Council Members to let him know if they would like to join a separate meeting focusing this issue of HQ deficit and their measures, and how to add value to AIAA. And maybe a white paper could be compiled after that separate meeting. At the same time, Ken indicated he had checked with AIAA Region VI if HQ would react to our responses, and the answer was that HQ were mainly taking the measures from HQ. (Additional note) AIAA HQ did have a Town Hall Meeting on October 13 and took some inputs from various AIAA leaders.

Treasurer’s Report – Lynn
• Funding reserve is healthy
• Extra expenses on Gliders are worthwhile, with $0.69 ea, the lowest for promotion items and large area for printed AIAA/LA-LV information. The Income of $543 from AIAA HQ reimbursement for “Making Space for Women” event on August 20).
• Lynn echoed what Ken mentioned for keeping the save mode and suggested not using Section funds to pay for the T-shirts with Section special art design. And he recommended not to sell the T-shirts, due to the original conditions with the art contest / winning student for non-profit usage.
• Ken mentioned the discussion with Lynn about saving the costs for T-shirts, Tablecloth, Websites, and not selling the T-shirts due to the original conditions.

Public Policy – Roz
• Made contact with AIAA “reimagining public policy” group. Connected with leaders. A meeting with them is coming up.
• Ken mentioned the Section Manufacturing 4.0 event last year in June and had been checking with Roz for doing Public Policy via Manufacturing and Supply Chain. Ken indicated several speakers / panelists had agreed to participate, waiting for the response from some of the speakers from last year’s Manufacturing 4.0 event to confirm.
• Roz liked the October 6 event in WPM in downtown LA, citing it’s a great idea to meet in different companies. She mentioned she recently visited Relativity Space and was amazed by 3D-printed rockets.
• Ken indicated significant efforts had been made to arrange such meetings. He mentioned the new companies here like Slingshot Aerospace, Spinlaunch, and the existing ones like Relativity Space. And he had just talked to the CEO or managers of some of those companies, and the former K-12 STEAM Outreach Chair is with Relativity Space. And some efforts were made to mend the relationship with her, so she could help and support. But Ken indicated that some companies have concerns about NDA and security issues. We can’t force it. Ken also mentioned we had been working on some connections with Relativity Space management.

• Dean suggested Mr. John Rose at Boeing is a public policy expert. Ken echoed that and mentioned Mr. John Rose was the former Region VI Director, after Jeff (Dr. Puschell).

• Ken indicated the Section put 3D printing as a main topic, and we just had the Space Architecture event on October 6, with an AIAA Member talking about her winning design and new copyrighted projects with NASA using 3D printing to build Mars/Moon/Space habitat, and the October 12 event using 3D printing to learn and visualize Calculus. He urged people to attend / participate and appreciate such events. And we had several 3D printing / Additive Manufacturing events, speakers, exhibitors before Pandemic.

• Roz also mentioned she was working on connecting to some local politicians.

Secretary – Jennifer

• Jennifer could not attend the September Council meeting due to work.
• Jennifer identified and confirmed the attendees of this meeting

Membership - Sherry

• Membership showed a slight trend downward from 2021: 150 less, including ~100 educators. Ken indicated he and Arpie had been looking into this, as the K-12 STEAM Outreach Officer, as mentioned in Bylaws, is the representative of the Educator members in the Section. Ken suggested it could be possible that many companies which have their own STEM Office will be good funding resources, and there were competitors as we have been seeing with more resources. And many private for-profit STEM schools with lots of grants and they were very well equipped. And we are not a school.

• Most of the aerospace companies have their own STEM Office, and some of our members have been involved in their organizations’ STEM efforts already. Ken mentioned a case for a former Education Chair a few years ago from Boeing for college students’ Engineers Week. That Education Chair was not able to support the Section’s Engineer’s Week activities due to conflicts of interest. Dean mentioned there should be no conflicts of interest for STEM K-12 Outreach. Ken mentioned it was just the case previously for College Students. Ken agreed with what Dean mentioned about adding value to AIAA, citing the efforts for demo / networking / tutorials, while respecting individual’s own efforts.

• Sherry asked if we have something like the speaker’s bureau for AIAA for Classroom outreach and how the Section handled those. Ken mentioned we used to take the inquiries, and the former STEM K-12 Chair would arrange things
based on his or her own connections. Occasionally it was brought up to the Council by the K-12 STEAM Outreach Chair or the Events/Program Chair based on some inquiries, and the Section Chair or the Council might suggest some possibilities. Gary suggested maybe someone could bring up a motion for soliciting from the general membership to compile a list of expertise and names for K-12 STEAM Outreach speakers. Ken indicated that it’s a good idea, but it’s better to get Arpie involved and she was not in the meeting, as she is the K-12 STEAM Outreach Chair. And Ken explained actually supply of subject matter experts as speakers has not really been a problem, as we have never had any issues getting willing volunteer speakers for outreach and we routinely got volunteers for this. But the attendance / participation from students and teachers have been low, so we really need to work it out, otherwise low interests / low attendance would not be good for the outreach efforts.

- Ken pointed out that actually the speakers to outreach to schools have never really been a problem. It’s actually the demands from schools/teachers/students. Ken and Arpie have been discussing and working on it to check and connect to more schools/teachers. We have arranged several very hot topics and speakers, but the students and teachers were not interested. A good example was the October 12 3D Printing and learning Math / Calculus. Arpie and Ken had been trying to get some more teachers, students, schools, as it was very exciting and featured great speaker(s). But those teachers were not interested and not many attended/registered. HQ also saw this, students were not attending for things they put up with big money and with industry leaders. Ken suggested that according to the past experiences and analysis, the priority should be building the connections with the schools/teachers, and understanding their needs better first, and had been working with Arpie on that end.

- (Additional note) Ken suggested that it might be better to work with people we know better and know their quality and reliability. K-12 is a little bit delicate. It’s better we don’t randomly pick names and we don’t really know the quality or personality. It’s better we know them better so we can work together better. And really the supply has never been an issue for the former K-12 STEAM Outreach Chair. And we do need to increase the participation from the teachers and students, so they would appreciate more the value of the membership. And the demo/discussions/networking like in the October 15 AIAA LA-LV Saturday was designed for it. We should focus more on establishing the demands and increase the interests / attendance / participation. There have been a number of willing volunteers, including the Oct. 15 speakers and several others. It used to be K-12 STEAM Outreach Chair’s responsibilities and connections.

- Ken mentioned we had been doing some demonstrations at schools and had been trying to do more. And we have been trying to build more connections. Council Members and general members can make presentations in Section’s outreach efforts. It’s a priority to find out what schools are interested in.
K-12 STEAM Outreach – Ken on behalf of Arpie

- Arpie has been connecting to schools/educators to encourage them to participate in our events, like the October 12 3D Printing and Math learning.
- Arpie is arranging the middle school student, Lea Segal, who won the 2022 AIAA SSTC Middle School National Essay Contest to attend the October 29 Section Awards Lunch, with her parent(s). Arpie and Jeff recognized Lea in the May Awards Dinner for her local entry for this Contest. Recently the results came out and she won the national contest 1st place.
- Arpie has been also trying to get some educators to participate and understand better their needs for teaching and training, and possibly join the AIAA.
- Ken has been working on a demo with the Google and Teams Classroom to work with Arpie for a possible demo/practice soon. And we already have volunteer(s) on various topics like Satellite, drones, Virtual reality etc. And maybe even rocketry. There are several potential people we met in the Section meetings/events.

Education Collegiate – Luis

- Stability in student involvement. Every AIAA University Student Branch in the Section (LA-LV) now has a sitting chair and board for the ’22-’23 year.
- Luis is working on the date for the Section’s University Student Branches mini-conference in March ’23.
- Luis mentioned a possible presentation to the UCLA Student Branch’s general meeting.
- Ken indicated that financial issues are impacting student branches, and also students’ groups of other organizations. Luis mentioned that when he was the Branch Chair/President of the AIAA UNLV Student Branch, usually financing was through the university. Just had to ask for the money from the university. He will help the Student Branches and make suggestions. He indicated the University groups are generally self-sufficient. Ken mentioned he had been also trying to help them in their looking into external funding as well, while looking for the external funding for the Section.

Young Professionals / Early Career Professionals – Ken on behalf of Courtney

- Courtney could not attend the meeting as she had been assigned to late shift at work.
Courtney has been working on a possible drone demo. Ken had found a Park that would allow outdoor drone demo. Ken also has an indoor drone and got the permission from a venue to do fly it and would demonstrate in the October 15 or future meeting/outreach if time allowed.

Courtney has been also looking into some possible rocket model building activity.

Las Vegas Chapter – Ken on behalf of Marty

Marty said he would try to attend this meeting, but it turned out he could not make it, and asked Ken to relay his message / report.

Marty has been continuing the efforts dealing with the politics in Las Vegas. And he is trying to nominate a gentleman with 70 years in aerospace. Ken mentioned the Section has been looking for talks on nuclear fusion (EU and US), and Nuclear-powered rocket engines and will get Marty back to give a talk on microgrid nuclear reactor again when he is ready.

Career and Workforce Development – Daniel

Daniel attended a conference in a university by the International Society of Air Safety Investigators - ISASI. The people there are trying to build more chapters. Maybe a possible joint event with ISASI in the future.

Daniel suggested he would try to find out what the students are interested in for their career development. (Ken’s comment: if students are involved, it’s better to get Luis and/or Arpie involved. Career and Workforce Development used to cover more on experienced professionals, but indeed it was not clear about careers for students.) Perhaps a meet and greet with maintenance people from Cargo Lines or Aero Club. Maybe doing things like the FAA investigation monthly meeting and taking student groups to aero video company.

Daniel continued the discussion from the September Council about the flight simulator Ken proposed at that time.

Ken mentioned we have been having pages on our Section’s website about the airports and spaceports in the Section. And he saw some live camera streaming for LAX 24-7. Ken asked Daniel if he was interested or could give some suggestion. Daniel suggested that he would look into a live ATC feed on website and get permission for doing so.

Daniel mentioned an event in Van Nuys with an engineer supporting the movie production on Top Gun Maverick. Ken indicated we had been working an AIAA LA-LV event on Top Gun Maverick for 2-3 years. And Van Nuys is not in the LA-LV Section. Ken asked Daniel if it could be possible to invite that engineer to speak in our LA-LV Section event, and Daniel could lead the discussion if interested, gearing more toward inspiring people for Career and Workforce Development.

Technical – Gary

Gary has been working on 2-3 meetings on the Apollo 17 and Artemis events in December (December 7, 14) One of the possible dates will be too close to Christmas and maybe just do the earlier ones.

Gary plans to attend a meeting with CSC for events the next morning (October 12) He is trying to see if it’s possible to get as the guest speaker Astronaut
Harris Schmitt (87 years old). He needs more contacts and to see if that could be figured out. He will try to get more membership to participate.

- Next Aero Alumni meeting: 1910 LA Air Meet by Mr. Ken Pauley on Wednesday, October 12.
- Ken mentioned he tried to help. The very nice Community Room in the Palos Verdes Peninsular Library is put on hold for the Apollo 17 events on December 7 and December 14. Very economic and great room for events. The previous attendees all liked it very much. And we can change to the Downey Space Center if needed. Ken also tried to get an RS-25 engineer to talk about RS-25 Artemis but his company would be extremely busy in December, and he would not be able to make it. Ken also spent quite some efforts to try to get the very nice space in CSC for free, but it has not been worked out.

Ken – Events/Program (Acting)

- All events are networking and recruitment activities.
- We are trying to build relationships with our events. Very good potential for various aspects for Sections’ efforts, from K-12 STEAM Outreach, Education/Collegiate, YP/ECP, experienced professional’s career development, membership, sponsorship, donations, etc.
- Report on 9/20 Global Space Development (Asia) (by Dr. Namrata Goswami) event (based on her new book)
  - A few attendees from Northrop Grumman – Potential volunteers or possible council members. They liked the meeting room, and it was very close to Northrop Grumman. The time 6 PM was ok for them.
- Report on 9/26 event (Watch Party online for the NASA DART Mission historic asteroid impact / planetary defense)
  - Inexpensive and popular. Attendees were very happy and excited
  - Follow-up event with Dr. Nahum Melamed (Aerospace Corp.) and others has been planned since June, waiting for the APL participants and a film producer whose “Asteroid Hunter” IMAX film was screened in NASA HQ a few weeks ago in the media event.
- Report on 9/28 event (Geospatial Applications of sUAS, Airborne, and Spaceborne Imagery for Local Government)
The speaker, Dr. Steinberg, is very interested in working with us and supporting us for various areas, including students’ activities. He is very interested in connecting to the industries and finding opportunities for his students.

This GIS event has great potential and several fronts. They used small drones (sUAS) and JPL Satellite. Civilian side of remote sensing.

Handed out AIAA information to student attendees and got significant feedback and interest. The staff and students said they had never heard of AIAA. It’s good to explore new possible sources of membership, and interest them for potential membership and participation/engagement with AIAA.

And they have a consortium working with enterprise companies, like software companies. It’s great for career and workforce development as well. Will continue to explore the possibilities.

• Report on 10/1 event (Philosophical Mysteries of Quantum Physics - explained for layhumans)
  - It took several years to get Dr. Bradley Bobbs to speak in our Section meeting event.
  - Got more than 120 registrants.
  - Will continue to develop related events/program, as aerospace companies have been looking into quantum computers and quantum radar, quantum space communication etc.

• Report on 10/6 event (AIAA LA-LV 2022 Space Architecture, Engineering & Construction Panel, and Happy Hour at WPM Los Angeles)
  - This event helped build the relationship with this sponsoring company, WPM. They used mechanical engineering as well. One of the speakers showed the engineering design for the SoFi Stadium they designed and built. Similar engineering design principles can be applied to space architecture with some modifications.
  - The woman speaker is also an AIAA Member. She used 3D printing to build Mars/Moon/Space habitat, and have won a NASA Award, with 2 more new projects (copyrighted, now recording allowed)
  - Prof. Madhu Thangavelu talked about his USC course on Space Architecture and Space Mission design.
  - The Happy hour with simple food in a skyscraper with stylish indoor settings, among the downtown high tall buildings, was a very special experience.
  - Glad to see more and more in-person attendance.

• Upcoming Section meetings/events in October-December.
• Dan Dumbacher will be a speaker/panelist in the December 12 DC-X/XA event. Please attend. The team he led pioneered the reusable rockets 20+ years ahead of SpaceX and Blue Origin. Very exciting and inspiring.
• The November 12 event by Dr. Marty Bradley is very popular and on the exciting topic of sustainable aviation / green aviation / electrified propulsion aircraft. A special topic in aeronautics.
• The November 5 event by Dr. Swati Saxena from NASA Ames Research Center will talk about NASA’s exciting Digital Information Platform (DIP) efforts. Ken mentioned to Daniel as Daniel is working on Aviation Safety.
• The October 12 3D printing / Calculus event in the evening that day is very inspiring. It’s a maker’s type of event with demo, combining 3D printing and Math/Calculus learning. Very meaningful and beneficial.
• The first-ever “AIAA LA-LV Saturday” on October 15, as mentioned previously in the Section Chair report, is a test and a combination for various themes and groups, designed to be complementary to existing efforts as add-on, not replacement, and an attempt to add values and improve / resolve several past issues, and possibly enhance participation or supports in/for AIAA / LA-LV Section.

• Gary asked if the Student donations affected the balanced budget. Ken indicated the donations were more on the Events/Program in those events, and therefore would not impact the balanced budget much.
• COVID-19 Pandemic watch:
  • LA County roughly the same as in September, and slightly fewer in case numbers and deaths, no significant increases in cases and deaths. National / CA cases/death cases either remained with no significant change, or even declined. Some venues or stores just recently reopened for the first time in early September. This is a very confusing time for people, and roughly 1 out of 10 attendees were in-person. It could be also that people’s behaviors have been permanently altered after Pandemic. We will keep monitoring the situation and status. A few people were still concerned and preferred to have enough space to keep social distancing.

Additional Discussions/Questions:

Final comments:
Ken –
• Great discussions and great efforts! Thanks a lot! Keep up the good efforts and enjoy.
• Sorry for allowing the meeting to go a little bit longer, as the discussions about AIAA HQ’s deficit and measures, and adding value to AIAA/Section, were wonderful.
Also apologize that this is the Council Meeting, not mainly for that topic. Therefore, we could not focus on that topic. As mentioned, if people are interested, we will set up a side meeting focusing on that topic.

8:20 pm adjourned (Motion by Lynn, seconded by Gary, Called for Adjourn by Ken)