Outrageously Funny Commercials
Gateway To Space

ASEN 1400 / ASTR 2500

Class #28

Colorado Space Grant Consortium
Today:

- Announcements

- Guest Lecture
Announcements:

- Expo this Saturday

EXPO AGENDA

7:00AM .................................................. ITLL OPENS (NO CONSTRUCTION!)
7:30-8:45AM ........................................ PROJECT SETUP AND REGISTRATION
-- YOU MUST BE REGISTERED BY 8:45 --
8:45AM .................................................. BREAKFAST
9:00-10:30AM ......................................... JUDGING
10:30AM-12:30PM .................................... OPEN TO PUBLIC
12:30PM ................................................ AWARDS ASSEMBLY
1:00PM ................................................ CLEAN UP

- 9 teams / 1 me = Judging time? = Will try to be done by 10:30
## Announcements:

- Expo this Saturday
- 9 teams / 1 me = Judging time? = Will try to be done by 10:30

<table>
<thead>
<tr>
<th>Section/School</th>
<th>Team Name</th>
<th>Floorplan Code</th>
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<tbody>
<tr>
<td>ASEN 1400-001 Koehler</td>
<td>Team Murphy's Law</td>
<td>10L</td>
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<td>ASEN 1400-001 Koehler</td>
<td>It's Always Sunny in Boulder</td>
<td>11M</td>
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<td>ASEN 1400-001 Koehler</td>
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<td>12S</td>
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<td>ASEN 1400-001 Koehler</td>
<td>Apollo 18 (Team 1)</td>
<td>13M</td>
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<td>ASEN 1400-001 Koehler</td>
<td>Space Cowboys</td>
<td>14M</td>
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<td>ASEN 1400-001 Koehler</td>
<td>Strategic Failure</td>
<td>15M</td>
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<td>ASEN 1400-001 Koehler</td>
<td>Team 5</td>
<td>16M</td>
</tr>
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<td>ASEN 1400-001 Koehler</td>
<td>Time Stoppers</td>
<td>17M</td>
</tr>
<tr>
<td>ASEN 1400-001 Koehler</td>
<td>Over Built and UnderPaid</td>
<td>18M</td>
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Announcements:
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- Helping with clean up – Your assignment
- Restore the DLC big conference to normal
Announcements:

- Two Judgments – Me and the Official Judges

- Only team members present during judging will be eligible for credit

- Shifts for Setup and General Public

- Consider Expo a professional event

- Have team videos, pics, code, and data ready to take
Announcements:

- Latest grades will include everything but:
  - DD Rev D (7.5)
  - Final Presentations (7.5)
  - Final Team Evals (7.5)
  - Community Service Presentations (4.0)
  - Expo (2.0)
  - HW 9 (5.0)

- FCQs start tomorrow
Thursday...

Guest Speaker – The Future of Space

Colorado Space Grant Consortium
Next Tuesday (Class)

Team Videos and Space Grant Projects
Next Tuesday (Night)

Final Presentations

Start promptly at 6 PM

DLC 1B70  - Pizza but BYOB
Next Thursday

Last Class!

Course Review, Possible call from ISS
Questions?
Guest Lecture:

Dr. James Stuart
Entrepreneur

Colorado Space Grant Consortium
Dr. James Stuart:

- **Inventor, an author and a serial entrepreneur**
- Internationally recognized **space consultant**
- Consulted to over **110 companies in 12 countries**
- **21 patents**
- Currently a **Board Director** of 4 entrepreneurial, high-tech companies, and 2 civic and non-profits
- Been Board Director of **39 companies**
- **Professional expert witness** in 4 major space industry litigations
- Currently **CEO of Space Tug Corp.**
Dr. James Stuart:

He was…

- **Founding Chief Engineer** of Orbital Sciences Corp.

- **Chief Scientist and Chief Engineer** at Ball Aerospace

- **Assistant Laboratory Director** of LASP
**Dr. James Stuart:**

He was…

- **Program Manager** at CalTech/JPL of both:
  - Solar Mesosphere Explorer (launched 1981)
  - Mars Observer (launched 1992)
Dr. James Stuart:

- Member of three graduate engineering faculties of the University of Colorado at Boulder for 19 years
  > Electrical Engineering
  > Telecommunications
  > Aerospace Engineering

- Ph.D. Systems Engineering (1979)
- M.S. Operations Research (1977)
- M.S. Electrical Engineering (1974)
- B.S. in Physics (1968)
Dr. James Stuart:

- Received NASA's Exceptional Service Medal

- Author of a graduate engineering, two-volume text 'Satellite Communications Systems' and co-author of 'Telecommunications: An Interdisciplinary Text'

- Published over 170 professional papers
Dr. James Stuart:

- CU Boulder in the Fall of 1988
Dr. James Stuart:

- Taught Chris’s Gateway to Space Class at CU Boulder in the Fall of 1988

- Class was amazing…
  - use of paper
  - energy
  - classified secrets

+ inspirational
Dr. James Stuart:

- And he drives…
Guest Lecture:

Dr. James Stuart
Entrepreneur

Colorado Space Grant Consortium