



Villanova University Engineering Alumni Society

Agenda, Meeting #67 CEER 210 4/6/2005, 6:00 PM

- 1. Welcome and Call to Order J. Karpowicz
- 2. Approval of Minutes of January meeting J. Karpowicz
- 3. Treasurer's Report W. O'Donnell
- 4. Dean's Report B. Johnson
- 5. Alumni Report G. Olsen
- 6. Department Liaison Reports
 - a. Chemical Engineering J. Papatolis
 - b. Civil/Environmental Engineering S. Carlson
 - c. Electrical Engineering J. D'Arcy
 - d. Mechanical Engineering A. Fleischer
- 7. Old Business
 - a. Action Items from last meeting All
 - b. Membership Report M. Marquardt
- 8. New Business
 - a. Chapter of Excellence L. Capuzzi
 - b. Student Projects J. Zaleski
 - c. Awards Banquet Planning P. Dougherty
 - d. Centennial Event Planning J. Karpowicz
- 9. Next Meeting

Minutes

Welcome:

The Meeting began at 6:07 PM. President John Karpowicz distributed the attached Agenda. John noted that Past President Steve Lester has been suffering from a months long low-grade fever and asked that the Board send a get well card to Steve.

Minutes:

The minutes from the January 11, 2005 meeting were previously distributed and reviewed by the Board.

The minutes were approved by the Board with no revisions.

Treasurer's Report:

Bill O'Donnell distributed the attached Treasurer's Report.

Bill noted that we have a net balance of approximately \$7234.20.

Bill expressed a concern over the low level of our funds, noting that we need to

Sponsor a fund raising event and increase membership in order to keep up our current levels of funding for the student programs. Butch Acchione agreed to look into a fund raising event. The Board passed a motion to form a Committee to review potential fund raising events.

Bill O'Donnell suggested raising our dues. Jenny Papatolis noted that her reviews found that local Chapters of the Engineering Alumni for other schools have their own dues in addition to general membership dues. Jenny will follow up on how other schools assess dues.

Sara Carlson noted that Penn State Alumni provided their members with an opportunity to purchase football tickets. She suggested that we look at providing members with an opportunity to get basketball tickets through the EAS. Jenny and John Karpowicz noted that they would contact the Athletic Dept. to get 4 basketball tickets for a raffle for the membership for a game at the Wachovia Center.

The Board held a long discussion on ways to increase membership dues and donations. These discussions concluded with the recognition that we have to keep going looking for additional efforts to reach out to Alumni to join and to obtain additional Sponsors.

Al Fazzini, Jim Zaleski and Sara Carlson agreed to meet with John Cacciolo and draft a letter to our Alumni for increased Sponsorships.

The Treasurers report was accepted by the Board.

Dean's Remarks:

Dean Johnson was not in attendance and there was no formal report.

Alumni Association Report:

No Report

Department Liaison Reports:

Chemical Engineering: Jenny Papatolis noted that Chem. E recently held an Open House and that the Department was successful in holding on to their recruits. She also noted that Dr. Schaff, their Fullbright Lecturer who is going on a Lecture Tour of the Middle East.

Civil & Environmental Engineering: Sara Carlson presented the attached report, detailing the Honduras Trip in March where CEE students constructed foundations for an Orphanage and a school and progress on the new Structures Lab scheduled for dedication on June 10th. The Department also held their Annual CEE Day on April 22nd, with presentations of their Student Projects.

Electrical Engineering: Jim D'Arcy did not attend. John Karpowicz noted that Jim had advised him that there was nothing new to report.

Mechanical Engineering: Amy Fleischer presented the attached 2-page report. The report provides detailed updates on the Faculty; curriculum changes; progress on the SEA racecar; the Mini-Baja team; current research efforts; the Student trip to Nicaragua; new lab proposals, the AAIA/ASME mini-Symposium and faculty presentations at Conferences.

Student Council: Maggie Flynn did not attend. There was no Report.

OLD Business:

President Karpowicz reviewed the items in the **ACTION LIST** from the January 11th Meeting:

Item #6 is underway;

Item # 13 was completed;

Item # 16 was reviewed by Butch Acchione and John Karpowicz, no Directory is proposed.

Other fund raising efforts will be pursued, including raising dues;

Item # 17 was started, Jenny Papatolis will continue to follow-up;

Item # 18 Sean O'Donnell and Helen Tursi will replace the Plaques;

Item # 19 Lynda Capuzzi completed the attached report on our "6 S's" efforts;

Item # 21 will be scheduled for May 2005 when students are ready to depart Campus;

Item # 23 was discussed in detail. Amy Fleischer noted that the Freshman Curriculum is too packed to have a requirement for attendance at a series of Alumni Seminars. It was agreed to make these Seminars a volunteer effort in the evenings. Presentations will be limited to EAS Members;

Item # 24 the Dean approved the Reception recommendation, follow-up is continuing. It was agreed to provide prizes for a raffle and to advertise the new format through Alumni Assoc. newsletters;

Item # 25 will be initiated soon;

Items # 30 to 33 were initiated;

Item # 34 is ongoing;

Item #39 was completed by John Karpowicz;

Items # 40 & 41 were revised. John Happ will coordinate with Dean Johnson, Trish Burdo and Career Services on providing corporate volunteers to speak with students.

Membership:

A – Calling delinquent members resulted in a few additional dues payments. It was agreed to eliminate further calls. Dues start in September, and we ask for September dues from members joining after January 1st.

B- Sean O'Donnell reported that EAS is on the Cover of the Engineering College Newsletter.

C- John Karpowicz noted that an e-mail would be sent to our members concerning the Centennial Celebration. We will ask our members for help with Dr. Mc Assey's history of the College. John will meet with Dr. McAssey and will poll members for artifacts/anecdotes/favorite stories etc. about the College.

D – It was agreed to send a notice about the new Banquet format in Nova Notes with a reminder to renew membership. Pat Dougherty will provide a write-up for Nova Notes.

E - Matt Marquardt and the Membership Committee will meet soon with the Alumni Assoc. to map out our approach to increasing membership over the next 6 months.

F – We will have membership forms available at the June 10th Awards Reception.

G - The Committee will conduct a Raffle to entice membership at the Awards Reception.

New Business:

Chapter of Excellence:

Lynda Capuzzi provided the attached written report on our efforts for the Chapter of Excellence. Lynda submitted her 6 S's data to Gary Olsen on June 5th. (Later information noted that the EAS received an Award for our efforts).

Student Projects:

Lynda's e-mail noted that the Concrete Canoe Club will not compete this year, and their Grant money is available for another Scholarship. It was agreed to use the money to support the Dean's initiative for scholarships to minority students.

Awards Banquet:

Pat Dougherty noted that the Committee is proceeding with planning for a Dean's Reception. He presented a copy of the proposed program revisions and a layout for the tables and auditorium seating for the award presentations.

The Awards Ceremony will be held in the Presidents Lounge at the Connelly Center, followed by a Dean's Reception with cocktails and heavy hors d' oeuvres beginning at 6:00 PM. Bars would be situated near the Student Club displays in the center of the room, and cocktail tables and dining tables would be set around the room. At 7:30 PM, the bars and food service would be closed, and Dean Johnson would present the Award Recipients at a podium. During the presentations, attendees would be seated in chairs arranged around the podium, and overhead displays of the Award Recipients would be shown. After these presentations, the bars and dessert tables would remain open till 9:00 PM.

Tables will be reserved for Award Recipients and their families, with faculty members assigned as appropriate. **No Tables will be reserved for Sponsors.**

Centennial Event Planning

John Karpowicz and Lynda Capuzzi were appointed to the Centennial Celebration Working Committee.

John reported that 4 Major Events were being planned:

1. A Student Picnic in the Fall of 2005,
2. A Formal Dinner at the Franklin Institute, with a Keynote Speaker,
3. A Campus Celebration in the Spring of 2006,
4. A Distinguished Speakers Series

New Board Members

Sean O'Donnell suggested two new Board members, Vince Wagner, one of our award recipients and John Cacciolo. John Karpowicz will contact them and invite them to join the Board.

Next Meeting:

The schedule for the rest of our next Board meeting was set as follows:

Wednesday **September 7th, 2005 at 6:00 PM** the CEER, Room 210.

The Annual Awards Ceremony & Dean's Reception is set for the Friday of Alumni Weekend, June 10th at the Connelly Center, with Dinner starting at 6:00 PM.

TREASURER'S REPORT
VILLANOVA ENGINEERING ALUMNI SOCIETY
APRIL 4, 2005

Starting Balance (January 11, 2005) \$6,886.32

INCOME:

Dues & Student Program \$ 930.00

Total Income: \$ 930.00

New Balance: **\$7,816.32**

EXPENSES:

Bank fee \$ 3.12

Landis restaurant (dinner 1/11 meeting) \$ 186.00

Course review reimbursement \$ 393.00

Total Expenses \$ 582.12

ACCOUNT BALANCE: **\$7234.20**



ACTION LIST Board Meeting # 64		9/7/2004
No.	Description	Responsible
6	Develop Donors Program and Ad Book for Banquet	Jim Z
14 b	Send letters to past Award recipients to join EAS	John H
17	Report on Review Alumni Dues Structure for other Colleges	Jenny P
21	St Vincent DePaul Clothes & Furniture Drive at CEER	Steve L (May-05)
ACTION LIST Board Meeting # 65		11/17/04
30	New Reception Format on Webpage	Pat D
32	AA to allow Attendees move to Other Events at No Charge	Gary O
33	Get Student Club Display Commitments	Pat D
ACTION LIST Board Meeting # 66		1/11/05
43	Coordinate EAS Participation in Centennial Events	John K
ACTION LIST Board Meeting # 67		4/06/05
46	Evaluate Fund-Raising Events for EAS	Butch A
47	Publicize New RECEPTION format (Nova Notes)	Pat D
48	Check costs of Cocktail Table rentals	John H
49	Develop Raffle / Prizes for RECEPTION	Membership Committee
50	Assign B-Ball Tickets for Membership Drawing	Matt M
51	Review getting 2 tickets to Centennial Gala as Raffle Prize	John K
52	Print Membership Application forms for RECEPTION	Matt M
53	Meet with Gary O for 2005/06 Membership Drive	Matt M
54	E-mail Members about Centennial Events & Ask Members for Artifacts/Anecdotes for History Project	John K
55	Review EAS help with Student Forums with Dean	John H

EAS Department Liaison Report – April 2005

Civil & Environmental Engineering

Faculty/Students

1. Students and faculty travelled to Honduras during spring break to work on the Amigos de Jesus orphanage. They completed all ten foundations required for one building that is to be part of a new school complex on the property. The school complex is slated to open (in some form) late this year. When it is completed, there will be six classroom buildings, an administrative building, a restroom facility, and a watch tower. For more information about the project, see the web page at the following address:
<http://www49.homepage.villanova.edu/shawn.gross/Honduras/2005Trip/index2005.htm>
2. Senior projects are underway and scheduled to be presented on CEE Day.

Research

1. The Pennsylvania Stormwater Management Symposium is scheduled for October 12-13 of this year. The symposium will include speakers, paper presentations, panel discussions, tours, and a poster session in which design firms will present their projects in poster form. The deadline for submission of papers is May 30th.

Space

1. Construction of the new Structural Engineering Teaching and Research Laboratory is nearing completion.

Administrative

1. The CEE lecture series, which started last fall, concluded on March 17th with a lecture entitled "Learning from Structural Engineering Failure: Case Studies in Forensic Engineering", given by Dr. Michael J. Chajes of the University of Delaware.
2. CEE day is scheduled for Friday, April 22nd to include lecture, senior presentations, reception.

EAS Department Liaison Report

Mechanical Engineering

04/04/2005

Faculty/Students

1. Birle Chair Position: Negotiations continue with our key candidate and an announcement will be made at the end of the current academic year as to the status of the negotiations.
2. Faculty Positions: The Department has interview 11 candidates for two slots. One is dynamics & controls and the other is thermal-fluid sciences. Offers to a candidate for each were made last week. We anticipate that they will be accepted by each candidate. Over 200 applicants for the thermal-fluids slot and nearly that for the other one.
3. Curriculum: The Curriculum Committee is now benchmarking the ME program by comparing itself with 14 other top-notch engineering colleges. Some changes to the curriculum will likely come about from this exercise. Besides the normal ABET-related activities, also on the agenda for this committee this year are: 1) Laying the groundwork for a dual ME/electromechanical systems major. This will include looking at other institutions that have established this major and the placement of three new members on our advisory committee who can help in directing these efforts. 2) Formulating a plan to work automatic controls into curriculum. 3) Re-establish the Energy Conversion course and order new hardware for the lab part of the course. We will consider joint ECE/ME/ChE efforts on this task to make this senior elective course interdisciplinary, 4) expand the course selections for the Ethics elective and Professional Development elective course.
4. Plans are underway to convene the 2004-2005 meeting with the ME External Advisory Committee. Key among our discussions will be curriculum reform and the new ME/electromechanical systems major.
5. Work continues on the SAE Formula Racer (Jerry Gambbs, advisor). 14 current ME seniors are working on the various aspects of the design and construction as part of their senior capstone design project.
6. The SAE minibaja racer is undergoing minor improvement prior to testing it for competition in early June, 2005.
7. 14 junior ME students traveled for a service-learning trip to Waslala Nicaragua over Spring Break 2005. Accompanying them were Dr. Jerry Jones, Prof. Jim O'Brien, both of ME, and Jordan Ermilio, a 1997 ME graduate and currently a graduate student in CEE. The work was focused on three areas: the design and construction of gravity-fed potable water systems, water quality including the design of an automatic and passive chlorination system, and photovoltaic-powered pumping of ground water in several of the

communities in this central-Nicaragua location. Three teams of juniors are using this trip to gather information for their senior capstone design project.

Research and Professional Development

1. The ONR project continues with Drs. Nataraj, Ashrafuion, Santhanam, Fleischer, Jones, and Fahimi receiving support for their six graduate students. The effort will lay groundwork for the department's efforts in the area of smart ships. We expect a renewal for next year for several of these projects. Proposals for next year's efforts were submitted last month.
2. Becky Hoffman is continuing her collaboration with Drs. Dinehardt, Gross, and Yost on the structural performance of castellated steel beams.
3. Dr. Fleischer is the thermal track chair for electronics heat transfer and Dr. Jones is organizing a session for the upcoming ASME Summer Heat Transfer Conference in San Francisco in July.
4. The inaugural AIAA/ASME Mini-Symposium on advances in ME/Aerospace research was held at the Plymouth Meeting Doubletree Hotel on Jan. 29, 2005. The co-organizers Dr. Jerry Jones and adjunct Dr. Kamran Fouladi were very happy with the event which was well attended (75 people). There was a lively exchange of information among the participants.

Space

1. In early summer, two existing ECE labs in CEER will be converted to a joint ME/ECE Dynamics/Controls lab. Both departments will run undergraduate instructional labs in this facility, as well as conduct research on this principal research thrust area in the College.

Engineering Alumni Society Villanova University Six "S's" to Chapter Success

Begun in the early 90's, the Mission Statement of the Engineering Alumni Society (EAS) still reflects its goals.

The purpose of the Engineering Alumni Society is to support and advance academic excellence, research, and other interests of the College of Engineering of Villanova University, and to provide for the social and technical advancement of its members.

There are currently more than 300 members located throughout the US. The Board of Directors meets four times a year to discuss current affairs in the College, provide support for students, encourage participation by members, and plan events.

Each department in the College has a board member who is their liaison. The board member meets regularly with the Department Chairperson in order to inform the board of new initiatives, faculty appointments, student enrollment, etc. The Dean of Engineering generally attends the meetings and keeps the board abreast of College developments and informs members of ways in which they can assist the College.

Financial support for students in the form of grants, service trips, competitive design projects, senior design projects, and conferences have exceeded \$160,000 since 1994. Thus far, this year \$7500 of membership dues and donations have been given to projects such as: the Concrete Canoe, the Human Powered Submarine, the SAE Formula 1 Race Car, the Society of Women Engineers' Conference, and the Honduras and Nicaraguan service trips.

The EAS has a web site at <http://www.engineering.villanova.edu/eas/> The site has a wealth of information and is easy to navigate. Information regarding current members, meeting minutes and the Alumni Awards Banquet are available through one click of the mouse. You can even become a member of the Society by visiting <http://www.engineering.villanova.edu/eas/membership.html> The Society also keeps in touch with members through enews.

Annually the EAS sponsors the Alumni Awards Banquet which is held during Alumni Weekend. Each year, 12 alums are recognized for outstanding Professional Achievement and Meritorious Service to the College. To better serve the membership, the format for the event has been revised, this year, to allow more socializing via a cocktail reception rather than a sit down dinner. The academic year 2005 – 2006, marks the Centennial Anniversary for the College. The EAS will take an active roll in preparations for this event.

The EAS, as an Affiliation Alumni Chapter, will continue to assist students, alumni and the College through the next 100 years.