

**ASEE Industrial Engineering Division Business Meeting**  
 Tuesday 28 June 2022  
 Minneapolis, Minnesota  
 Prepared by Thomas A. Omwando (captured by Katie Basinger)

**Welcome/Call to Order**

The division chair Raymond Smith called the meeting to order at 1:45 PM CST in Room L100C of the Minneapolis Convention Center and welcomed everyone to the Industrial Engineering Division (IED) Business Meeting. Raymond asked the attendees to introduce themselves. The secretary/treasurer was not present and therefore Katie Basinger stepped in to take notes and passed around a sign-up sheet. The following members were present.

	Name	Affiliation	Email
1	Chell Roberts	USD	<a href="mailto:roberts@sandiego.edu">roberts@sandiego.edu</a>
2	Janice Mejia	Northwestern University	<a href="mailto:j-mejia@northwestern.edu">j-mejia@northwestern.edu</a>
3	Karen Bursic	Univ. of Pittsburgh	<a href="mailto:kbursic@pitt.edu">kbursic@pitt.edu</a>
4	Kim Needy	Univ. of Arkansas	<a href="mailto:kneedy@uark.edu">kneedy@uark.edu</a>
5	Ed Pohl	Univ. of Arkansas	<a href="mailto:epohl@uark.edu">epohl@uark.edu</a>
6	Om Prakash Yadau	North Carolina A&T State Univ.	<a href="mailto:oyadau@ncat.edu">oyadau@ncat.edu</a>
7	Ted Eschenbach	TGE Consulting	<a href="mailto:tede1@ak.net">tede1@ak.net</a>
8	Ona Egbue	USC Upstate	<a href="mailto:egbue@uscupstate.edu">egbue@uscupstate.edu</a>
9	Katie Basinger-Ellis	Univ. of Florida	<a href="mailto:katie.basinger@ufl.edu">katie.basinger@ufl.edu</a>
10	Amorenry Chevallier-Chantepie	Dassault Systems	
11	Kate Abel	Stevens Institute of Technology	<a href="mailto:kabel@stevens.edu">kabel@stevens.edu</a>
12	Durward Sobek	Montana State	<a href="mailto:dsobek@montana.edu">dsobek@montana.edu</a>
13	Cory Brozina	YSU	<a href="mailto:scbrozina@ysu.edu">scbrozina@ysu.edu</a>
14	Megan Hammond	Univ. of Indianapolis	<a href="mailto:hammondm@uindy.edu">hammondm@uindy.edu</a>
15	Joan Martinez	Univ. of Indianapolis	<a href="mailto:martinezjy@uindy.edu">martinezjy@uindy.edu</a>
16	Omar Ashour	Penn State Behrend	<a href="mailto:oma110@psu.edu">oma110@psu.edu</a>
17	Teri Reed	University of Cincinnati	<a href="mailto:teri.reed@uc.edu">teri.reed@uc.edu</a>
18	Thomas Omwando	Simpson University	<a href="mailto:tomwando@simpsonu.edu">tomwando@simpsonu.edu</a>
19	Raymond Smith	East Carolina University	<a href="mailto:smithraym17@ecu.edu">smithraym17@ecu.edu</a>

Raymond introduced the division officers for the 2021-2022 year ending June 2022.

Division Chair:	Raymond Smith
Program Chair:	Lisa Bossman ( <b>absent</b> )
Program Chair-Elect:	McKenzie Landrum ( <b>absent</b> )
Secretary/Treasurer:	Sima Sabahi ( <b>absent</b> )
Awards/Past Division Chair:	Ebisa Wollega ( <b>absent</b> )

Directors:

- Leonardo Bedoya-Valencia (2021-2023), (**absent**)

*Approved 2022 Business Meeting*

- Paul Lynch (2021-2023), (**absent**)
- Rick Olson (2022-2024), (**absent**)
- Tish Pohl (2022-2024)

Webmaster: Lawrence Whitman

Commission on Diversity, Equity, and Inclusion Delegate: Karen Bursic

P-12 Committee Representative: Justin W. Kile

### **Approval of 2021 Meeting Minutes**

The program chair Raymond Smith distributed minutes from the 2021 business meeting for approval. The minutes were approved unanimously.

### **Professional Interest Council II Chair Report and Discussion**

The Professional Interest Council II (PIC II) chair, Chell Roberts presented the topics below, followed by a discussion with the IED members.

- Promoted and encouraged members to apply to be ASEE PEVs for ABET with an initiative on diverse candidates.
  - Apply online through the ABET website.
  - ASEE assigns PEVs to institutions.
  - PEVs evaluate general engineering programs.
- ASEE conference attendance
  - 3042 attendees (registered as of Sunday)
  - Last year 2021 virtual attendance was about 3000
- New VP of scholarship (will be announced soon)
- Journal of Engineering Education (JEE) editor position
  - Reported that there is an editor position open and encouraged members to apply.
- Scholarly publications committee has proposed transforming the PRISM
  - Due to the expense of publication, PRISM is reducing printed copies to 4 per year and increasing digital presence.
- Paper management system
  - Everyone felt the problems and frustrations with the current system.
  - There are efforts to address this – and a number of systems are being considered; Slayte, Nemo, or something new.
  - Forming an ASEE user group to beta test future platform changes.
  - \$50 voucher to be used on membership or conference.
  - \$50 coupon code to give to non-members to use for membership.
- Ethics Committee
  - Reported that this committee exists.
- ASEE finances
  - Reported that we are debt free.

- BASS account fees are dropping.
- ASEE membership
  - There was a concern as to why membership is shrinking
  - Noted that early career faculty are not joining. Why?
  - Academic institutional members – pretty stable.
  - Industry institutional members – decline in company’s (non-academic)
  - Approximate IED memberships- slightly over 200

**Program Chair Report**

Raymond smith presented the following IED conference papers statistics on behalf of Lisa Bossman.

	<b>2022</b>	<b>2021</b>	<b>2020</b>	2019	2018	2017	2016
Abstracts submitted	<b>15</b>	<b>21</b>	<b>21</b>	15	36	19	27
Abstracts accepted	<b>14</b>	<b>19</b>	<b>17</b>	-	-	-	-
Drafts submitted	<b>10</b>	<b>12</b>	<b>10</b>	9	24	-	-
Drafts rejected	<b>1</b>	<b>2</b>	<b>0</b>	0	2	2	-
Final papers submitted	<b>8</b>	<b>10</b>	<b>7</b>	9	21	-	-
Papers transferred	<b>0</b>	<b>0</b>	<b>0</b>	0	0	-	-
Papers published	<b>8</b>	<b>10</b>	<b>7</b>	9	21	9	16
Diversity related	<b>0</b>	<b>0</b>	<b>1</b>	2	7	2	-
Posters	<b>0</b>	<b>0</b>	<b>0</b>	0	2	1	0
Panels	<b>0</b>	<b>0</b>	<b>0</b>	0	0	1	0
Reviewers pool	<b>71</b>	<b>63</b>	<b>41</b>	31	60	63	-
Reviewers - Active	<b>42</b>						
Reviewers - Recused	<b>9</b>						
Reviewers – No Response	<b>20</b>						
Reviews assigned	<b>120</b>	<b>44</b>	<b>36</b>	17	51	36	-
Reviews completed	<b>87</b>						
No. of reviews completed per paper (average)	<b>Abstract = 2.6 Draft = 5.9</b>	<b>Abstract = 3.3 Draft = 4.2</b>	<b>Abstract = 3.4 Draft = 4.5</b>	-	-	-	-

## **Awards Chair Report**

Raymond Smith presented the following awards report on behalf of the awards chair Ebisa Wollega.

### **IED Best Paper Award**

“Investigation of a professor’s feedback on student’s divergent thinking performance: an electrodermal activity experiment”

- Elif Elcin Gunay (Iowa State University),
- Danielle Dickson,
- Rafal Jonczyk,
- Janet Van Hell (Professor of Psychology and Linguistics, Pennsylvania State University),
- Zahed Siddique (Professor, University of Oklahoma) and
- Gul E. Kremer (Professor, Iowa State University)

### **IED Best Paper Award Runner-Up**

“A Study on the Effectiveness of Using Integrated Nonlinear Storytelling and Simulation-based Learning Game in an Operations Research Course”

- Omar Ashour (Associate Professor of Industrial Engineering) (Pennsylvania State University, Behrend College)
- Ashley Seamon (Pennsylvania State University, Behrend College)
- Christian Lopez (Assistant Professor) (Lafayette College)
- Sabahattin Gokhan Ozden (Assistant Professor)
- Daniell DiFrancesca (Assistant Professor of Educational Psychology) (Pennsylvania State University, Behrend College)
- Conrad Tucker (Professor) (Carnegie Mellon University).

### **New IE Educator Outstanding Paper Award**

“A Study on the Effectiveness of Using Integrated Nonlinear Storytelling and Simulation-based Learning Game in an Operations Research Course”

- Christian Lopez (Assistant Professor) (Lafayette College)
- Sabahattin Gokhan Ozden (Assistant Professor)
- Daniell DiFrancesca (Assistant Professor of Educational Psychology) (Pennsylvania State University, Behrend College)

### **IED Outstanding Student Paper Award**

“Evaluating the Problem-Solving Studio Approach for Teaching Facilities Layout Planning and Design”

- Dimantha Samarajeewa Kottawa Gamage (Montana State University - Bozeman))
- **Faculty author: Durward K. Sobek** (Vice Provost) (Montana State University - Bozeman)

## IED Travel Grant Award

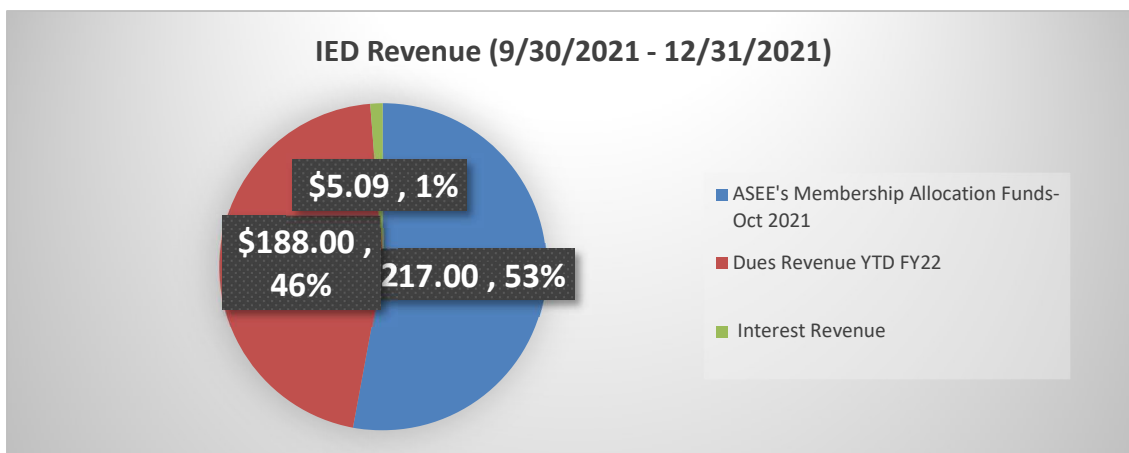
“A Study on the Effectiveness of using Integrated Nonlinear Storytelling and Simulation-based Learning Game in an Operations Research Course”

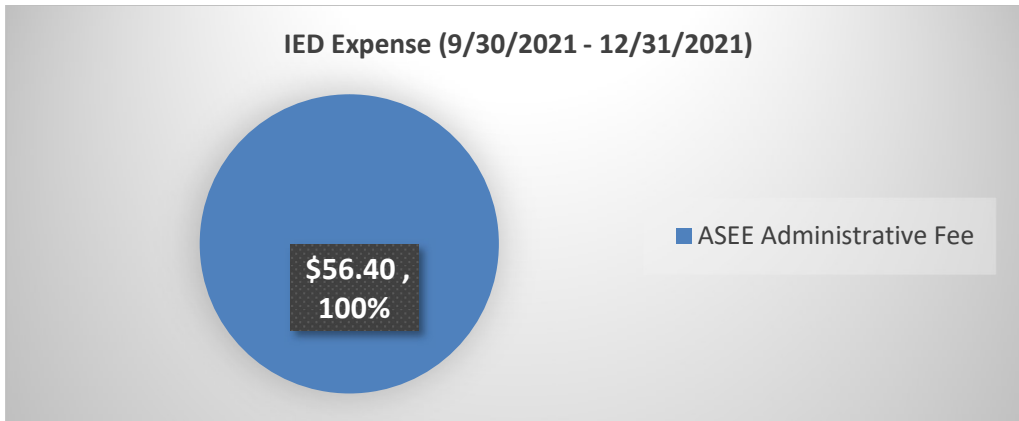
- Ashley Seamon (Pennsylvania State University, Behrend College)

## Financial Report

Raymond Smith presented the following BASS summary for 2021 on behalf of the secretary/treasurer, Sima Sabahi.

	2020	2021	2022
Starting Balance	\$17,126.53 (10/01/2019)	\$17,066.70 (10/1/2020)	\$16,695.04 (10/1/2021)
Revenue	\$1,023.97	\$587.42	\$410.09
Expense	\$1,083.80	\$103.20	\$56.40
Ending Balance	\$17,066.70 (9/30/2020)	\$16,695.04 (9/30/2021)	\$17,048.73 (12/31/2021)



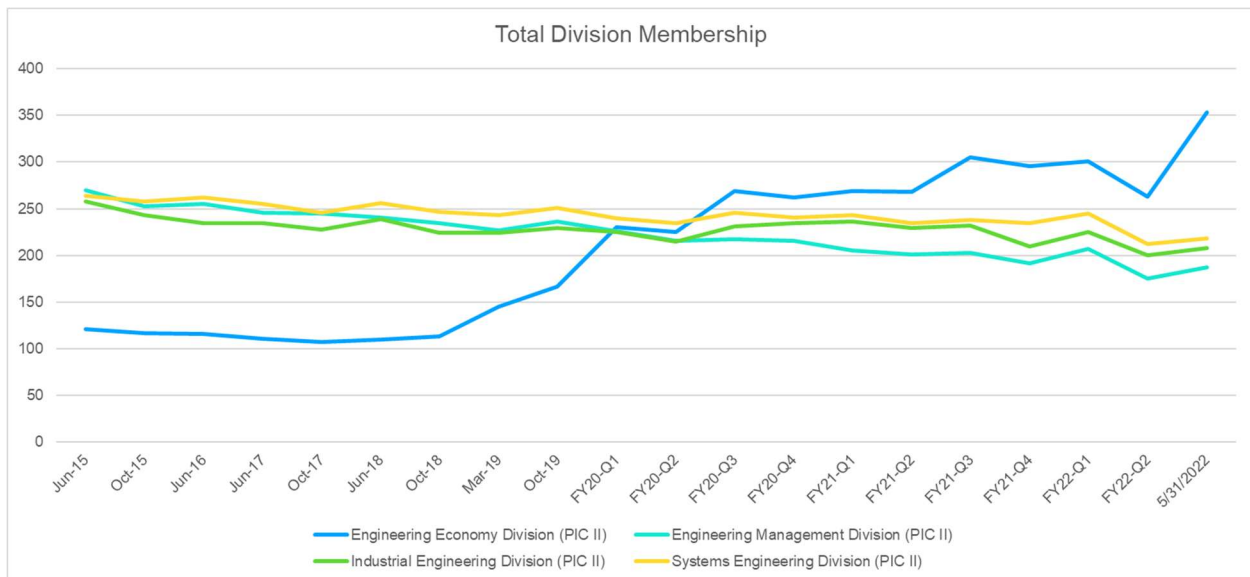


It was observed that the expense report was not accurate and needed to be rechecked.

- The chair explained that the expenses for 2022 were not represented due to a change in ASEE system. ASEE could not provide updated statements for June 2022

### Membership Report

Raymond Smith presented the following membership trends.



- IED membership is declining.
- There were discussions on encouraging IED members to join other sister divisions (EED, EMD, SED) to support them.
- We should encourage IED members to support other divisions even if one is not super involved.

## **Approval of 2022 Division Bylaw Revisions**

The division chair presented the following summary of proposed revisions to the division Bylaws.

- Minor revision of the Bylaws
- Revised Statement on Diversity, Equity, and Inclusion
- References to PIC I updated to PIC II
- References to Assistant Program Chair updated to Program Chair-elect
- Acknowledgement of the Systems Engineering Division (SED)
- Removal of 'Sunday' as specified business meeting
- Consistency of terms and references
- Minor grammatical and capitalization updates
- Recommendation to increase dues from \$4 to \$5 per member

### ***Statement on Diversity, Equity, and Inclusion***

*Current:* The Industrial Engineering Division is also committed to promoting the inclusion and education of diverse individuals and embracing diverse ideas in the professions of engineering and engineering technology. The Industrial Engineering Division recognizes that diversity is strength in creativity, broadness of new ideas, and embracing new perspectives to arrive at the most truly innovative, resource-smart solutions possible.

*Proposed Revision:* The Industrial Engineering Division is committed to fostering collaborative and inclusive environments that value equity and celebrate diversity. The Industrial Engineering Division commits to ensuring that we continually challenge ourselves to deepen and broaden our understanding of inequities, so that we are prepared to take action to transform our division, ASEE, our institutions, universities, and the whole of the engineering community.

The members discussed, voted, and unanimously approved the proposed revisions to the Statement on Diversity, Equity, and Inclusion

### ***Other proposed minor revisions***

The members discussed, voted, and unanimously approved the proposed revisions on the following items in the IED division Bylaws.

- References to PIC I updated to PIC II
- References to Assistant Program Chair updated to Program Chair-elect
- Acknowledgement of the Systems Engineering Division (SED)
- Removal of 'Sunday' as specified business meeting
- Consistency of terms and references
- Minor grammatical and capitalization updates

### ***Proposal to increase of annual dues from the current \$4 to \$5***

- There was a general discussion about whether to increase the annual membership dues by \$1 from \$4 to \$5, to support division activities and the potential to give additional sponsored awards.
- Initial response to increasing annual dues was received with mixed reactions.
- Durwood Sobel member observed that the balance in our account is still healthy (~\$17,000) and the increase in dues may not be warranted.
- Additionally, there was concern expressed that the change from \$4 to \$5 could be problematic from perception and deter people from joining.
- On the final vote, there were 2 nays to the proposal; the majority was in the affirmative.
- Consider suggesting in the newsletter for all 4 divisions to support each other.
  - IED, EED, EMD, SED
- A question was also raised on whether there is a policy requirement that a notice be sent to division members about proposed bylaw revisions/changes before a vote can be taken.
  - The chair noted that a 15-day notice is required before a vote can be taken.
  - Agreed that proposed Bylaw amendments/revisions be emailed to members and then members will vote electronically.
  - Suggested that an electronic vote be carried out for each proposed revision item.

### **Commission on Diversity, Equity, and Inclusion (CDEI) Update**

Karen Bursic, the IED Delegate to the Commission on Diversity, Equity, and Inclusion gave the following update from the commission.

- There were 25 nominations for Best DEI paper in 2022.
- The 2021 Winner is presenting at the Annual Conference this year (Tuesday plenary)
- There were 10 total blog posts since May 1, 2021 (including 4 Guest Blog posts and 3 Scholar Spotlights)
- There were 6 virtual workshops, that reached over 250 people, and the recordings are available on the CDEI website and YouTube.
- The 2021 Virtual conference had 293 attendees across CDEI-hosted sessions.
- The commission developed a new strategic plan.

Policy Statements or ASEE Guidance written on:

- ABET proposed language related to Criterion 5c and Criterion 6
- ASEE statement on State Bills on Divisive Concepts
- Which underserved groups ASEE should prioritize

### **2023 Call for Papers (IED Division)**

The division chair Raymond Smith presented on behalf of the program chair McKenzie Landrum. The proposed theme for the 2023 IED Division is “



## **“Sustainability and Industrial Engineering Education”**

The **Industrial Engineering Division (IED)** of the American Society of Engineering Education (ASEE) seeks papers for presentation at the 130<sup>th</sup> ASEE Annual Conference and Exposition in Baltimore, Maryland June 25 to 28, 2023.

Relevant submissions are welcome from all engineering disciplines. Considerations for acceptance include the level of innovation, technical merit, demonstrated outcomes, and relevance to industrial engineering education. Authors are encouraged to submit work that could be useful to other IE faculty, including strategies for implementation. The IED strongly encourages the submission of diversity, equity, and inclusion-related papers. Purely technical **papers that have no educational component** or papers describing courses that will or have not been taught will **most likely not be accepted**.

Topics of interest include but are not limited to:

- Sustainability and Industrial Engineering Education
- Data science and IE curriculum
- Analytics and overall IE curriculum
- Industry 4.0 and novel IE curricula
- Methods for developing and assessing industrial engineering competency.
- IE laboratory development
- Application of innovative approaches to IE education (e.g., flipped classes problem-based learning, and the use of emerging technologies)
- Educational resources such as case studies, web-based courses modules, and lab materials for teaching IE topics
- IE Design throughout the curriculum
- Outstanding IE outreach programs
- Successful internship and/or co-op programs
- Involving undergraduates in IE-related research
- Success with adapting to new IE ABET outcomes.
- Diversity equity and inclusion in IE: IED would be pleased to submit papers for *ASEE’s Best Diversity, Equity and Inclusion Paper Award* (ASEE Best Diversity Paper DI-committee). Learn more about how to address these issues in your work here. [DiversityPaperResources-DIEcommittee\(asee.org\)](https://www.asee.org/diversity/paper-resources).

The IED is a publish-to-present division. At least one author for each paper must register for and present at the conference. All accepted abstracts will be invited to submit full-length papers for peer review. Papers addressing “work in progress” will be considered. The submission and review process is blind. Do not include the names of institutions or authors anywhere in the abstract or draft paper. All abstracts and papers must be uploaded electronically through the ASEE paper management system. **Abstracts submitted for the 2023 conference should be extended abstracts providing sufficient detail on the proposed work for reviewers to evaluate.** Additional information including the author’s kits with deadlines and formatting instructions can be downloaded from the ASEE website. In addition to the ASEE “Publish-to-Present” requirements, IED requires the support of its authors in “Review to Publish” at both the abstract and manuscript stages.

**IED also supports workshops** in the areas listed for paper submission. Persons wishing to have IED promote a workshop for the 2023 annual conference should submit their response to the ASEE workshop form to the program chair to be reviewed for appropriate content.

#### **IED Paper Awards and Travel Grant:**

- All accepted papers will be considered for the ***IED Best Paper Award***. The award includes a plaque of recognition for first place and a letter of recognition for second place (runner-up), when appropriate. There is an honorarium monetary award of \$250 for the first author of the winning paper.
- Qualified authors will be considered for the ***New IE Educator Outstanding Paper Award***. New IE educators with fewer than seven years of full-time teaching experience are eligible for this award. The recipient will be awarded \$250 per author up to \$500 per paper. Senior faculty are eligible for the award as scholars but not for the monetary award. The award also includes a plaque of recognition.
- Student-authored papers are eligible for ***IED Outstanding Student Prepared Word***. The recipient will be awarded \$250 per author, up to \$500 per paper. Faculty are eligible for the award as co-authors but not for monetary awards. The award also includes a certificate of recognition.
- IED members who have not attended an annual conference may be eligible for the \$500 ***IE Travel Grant for New Attendees***. Recipients must present their papers in the IED session and can collaborate with other faculty who are active in ASEE. Email the division chair at [lbosman@purdue.edu](mailto:lbosman@purdue.edu) if you are interested in applying for the travel grant.

Members were asked to forward this message to persons that may be interested in presenting their work, hosting a workshop, or formulating a panel at the 2023 conference. If you are not a member of the industrial engineering division (IED), please **add the IED to your ASEE** membership renewal. If you have any questions, please contact the program chair.

McKenzie Landrum  
Program chair, ASEE Industrial Engineering Division  
Instructional Assistant Professor  
[landrum@ise.ufl.edu](mailto:landrum@ise.ufl.edu)  
Herbert Wertheim College of Engineering  
University of Florida

Abstract submission opens in early September; the deadline for submitting abstracts is mid-October. Workshop, Panel, and Distinguished Lecture requests also open in early September.

#### **Installation of New Officers**

Raymond Smith conducted the installation. Because the bylaws provide for an orderly transition of officers, only a new secretary/treasurer was needed to be elected. One candidate self-nominated for the position: Thomas Omwando from Simpson University. Thomas was elected secretary/treasurer by acclamation.

The membership accepted the slate of directors as indicated below. The IED officers for the coming year will now be:

Division Chair:	Lisa Bossman
Program Chair:	McKenzie Landrum
Program Chair-Elect:	Sima Sabahi
Secretary/Treasurer:	Thomas Omwando
Awards/Past Division Chair:	Raymond Smith
Directors:	Leonardo Bedoya-Valencia ('23) Paul Lynch ('23) Rick Olson ('24) Tish Pohl ('24)
Webmaster:	Lawrence Whitman
Diversity Committee Delegate	Karen Bursic

### **Adjournment**

All were in favor of adjourning. Raymond Smith adjourned the meeting at 3:15 PM CST.