



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES

of the

FULL COMMITTEE

ANNUAL MEETING

2011 PPIC COMMITTEE ANNUAL MEETING
Sheraton Nashville Downtown Hotel, Nashville Tennessee
June 21, 2011
Minutes recorded by John A. Kay, PPIC Secretary

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1) WELCOME AND INTRODUCTIONS – Rhonda Banks

Rhonda called the meeting to order at 3:03 PM. She provided a warm welcomed to everyone, to the Nashville Conference, and to the Full Committee Meeting. She then asked everyone in the room to introduce him or herself including their company affiliation.

2) REVIEW/APPROVAL OF MINUTES OF CONFERENCE MEETING – JOHN KAY

John reported that the full committee interim meeting minutes, held in Atlanta, were distributed twice and these minutes were posted on the committee website www.pulpandpapercommittee.com. John Malinowski motioned to approve the minutes and the motion was seconded by Duncan Rhodes. The minutes were approved by the full committee.

3) EXECUTIVE COMMITTEE REPORT – John Kay

John reported that 15 members were in attendance at the Executive Committee meeting held Sunday June 19, 2011.

Some of the topics of interest discussed were:

- a) James A. Rooks Memorial Student Intern Program This year marks the 5th anniversary of this program where we have been able to sponsor electrical engineering students to participate in the conference. The pool of funding is still well over \$100,000.
- b) There was continues to be lengthy discussion with regard to the PPIC Sustainability and Perpetuation Councils. John Kay had asked to step down as leader of the Perpetuation Councils, some time ago, due to other obligations. Blake Lloyd has offered to fill in for now.
- c) 2011 Nashville Conference Technical Program- Alex reported that the creation of the technical program went well. Alex worked with Louie Powell to better understand the ScholarOne program. Most papers were formalized by the end of February.
- d) 2010 San Antonio Conference Update Peter Baen was not able to be at the meeting. Some basic information was sent which indicated that it appears the conference lost > \$7,000 even after the hotel forgave a room block attrition charge of >\$25,000. (Thanks to the PCIC for helping us out!).
- e) There was a reminder to utilize the checklists, created by John Kay and posted at the committee website, as they are good reference for Authors, Sponsors and Tutorial Presenters. We had some inconsistent and non-compliant paper formatting issues with some papers this year. All authors are reminded to use the paper template also located on the committee website.
- f) This year is the year for subcommittee chair rotations. The new chairpersons are,

DCS – Darren Honaker term completed. Replacements -Michael Feldkirchner/Harry Li
 PCEMC – Roland Roberge term completed but No replacement yet!
 PDS – Felix Nepveux term completed. Replacements -Todd Legette/Cathy Dalton
 TSSC – Bryan Gunter term completed. Replacement -Rachel Bugaris
 Thanks to all volunteers who are completing their terms!

- g) Interim Meeting- Do we still need to have an interim meeting in Atlanta? There was a lot of discussion surrounding this topic but the conclusion was that it should be brought back to this full committee for discussion. A decision will be made before the adornment of this full committee meeting.
- h) Open Positions
 - i) Unusual Failure Moderator Stan Merritt will host this at this year's conference and Larry Thomas has agreed to host at the 2012 conference if Stan cannot be attend.

- ii) Perpetuation Council Chair- Blake Lloyd has offered to take over this role from John Kay who has headed this committee since its inception.
- iii) PowerPoint Operator Roly Roberge will be doing it for this year but we need to consider a backup for 2012.

4) TREASURER'S REPORT/CONFERENCE AUDITS – GRED DREWISKE

Greg reported the financial status of our current, past and future conferences as follows:

2008 Conference – Richard Turner (Rory Johnson)

The last information received was that all documents for this conference have been received and the conference is considered "Ready to Close" pending receipt of the final audit report. The expectations are for a very small surplus around \$5,000. Financial summary, close out of the bank account and the return of the IEEE loan was completed.

2009 Conference - Robert Adams

The audit is completed, the results confirmed and they returned a surplus of **\$12,357** back to the IEEE. **CLOSED**

2010 Conference – Peter Baen (report given by Greg Drewiske)

Pam Gold sent some basic information from her budget. She is forecasting a LOSS of approximately \$7,000. The good news is that because of the extraordinary success that our sister conference, the IEEE Petroleum & Chemical Conference (PCIC) held later in San Antonio, we were able to benefit from them. Because of their need for overflow space, our guest room night attrition penalty fees, of over \$25K, were avoided. Some other incidental costs were also absorbed by the PCIC as well.

There are some discrepancies in this report and what was shared at the conference. I still contend that we had:

- 121 conference attendees and
- 39 registered guests

2011 Conference – John Malinowski

John reported the following registration summary;

- 90 Suppliers
- 33 Mill/Users
- 11 Consultants
- 3 Academics
- 1 Curmudgeon (Duncan), for a total of 138 attendees.

Special thanks to, our Nashville 2011 PPIC Local Committee:

LOCAL CHAIRMAN

- John Malinowski, Baldor Electric Company

VICE CHAIRMAN

- Larry Menche, Domtar Paper

PROGRAM CHAIR

- Alex Wu, Global Engineering

FINANCE CHAIR

- Rob Boteler, Nidec Motor Corporation

WEBMASTER

- Pete Famighetti, ABB

REGISTRATION - Larry Jackson, KBR

- Lana deLeon, TECO-Westinghouse

SPONSOR & VENDOR EXHIBITS

- Duncan Rhodes, Retired

FACILITIES - Daleep Mohla, DCM Electrical Consulting Services

- D Ray Crow, DRC Consulting, Ltd.

HOSPITALITY & GUEST PROGRAM

- Stan & Charlene Merritt, High Ground Services

- Paul Rouillier, TMEIC-GE

TUTORIALS

- Radu Curiac, Siemens

AWARDS

- David Rollay, Rockwell Automation (retired)

- Cheryl Schmehl, Rockwell Automation

5) STANDING SUBCOMMITTEE REPORTS

a) MEMBERSHIP - ALAN LOWE (provided by email)

Our current committee membership is 101. Since the interim meeting in October, we have had the following changes in membership:

One new member: Robert Richards with TECO Westinghouse Four members have resigned:

- Robert Adams
- Richard Hunt
- Pete Werner
- Jim Williams

Eight members have been dropped for lack of participation:

- Jeff Hill
- Jubin Jackson
- Stan Komander
- Mike Kozlowski
- David Mintzlaff
- Dennis Neitzel
- Jon Werking
- Brian Winter

We currently have one application pending.

At the interim meeting in October we had 27 members present, 34 with excused absences, and 51 with unexcused absences.

Seventy two members or 71.2% of our membership are at a member grade of Senior Member or higher.

The job sector distribution of our membership is as follows:

- 58 vendors
- 19 consultants
- 17 mill people
- 2 academic
- 5 retired

b) MAILING LIST - JOHN KAY

John reported as follows:

He received the registration list from the San Antonio committee and reconciled that data to the master mailing list. He also updated the data based on the mark ups of the mailing list documents displayed at the conference.

The following is an update from that data:

Total Entries after 2010 conference: 2588 Stale Entries: 533 [no attendance since 1998]

Stale Entries with no email add: 340 [no attendance since 1998] Entries removed this year: 364 [no attendance since 2000*]

Added in 2010/2011 to-date: 34

Total entries after data cleansing: 2223

All Entries with email addresses: 1982 89% (prv. 77%) Active* with valid email address: 1813 91% (prv. 97%)

*- Have attended at least one conference in the last 10 years.

Approximately 47 entries are marked for removal this coming year (no attendance for the last 10 years AND no valid email address.

John also updated the email block posted on the committee web site.

c) PUBLICITY – ROB BOTELER

The San Antonio conference paper awards were published in the 2010 Sept/Oct edition of the IEEE Industry Application Magazine.

d) PAPER AWARDS/MAGAZINE AND TRANSACTIONS SUBMITTALS - MARK WEAVER

No formal report given. Our papers where submitted shortly after our June conference.

e) PPIC AWARDS NOMINATION - RORY JOHNSON

The awards for this year's conference were announced by way of the conference record. These award winners will be formally recognized at the awards banquet. Congratulations to John Malinowski and George Matto. Nominations for the 2012 service awards need to be submitted by the interim meeting in October. All subcommittee chairs were reminded to discuss nominations within their subcommittees.

f) FELLOWS NOMINATIONS – JOHN KAY

John Kay reported that **Chuck Mozina** was successful in his nomination through another committee. Congratulations Chuck!

Two of our committee members have been nominated for the 2012 Fellows class as follows:

Ron Simpson has been resubmitted for consideration through our conference. **John A. Kay** has also been resubmitted for consideration through our conference.

The IEEE Fellows Review Committee does not issue their report until late November so we will not know the results until next year's conference. (I will communicate via email to the committee if we have positive results)

To be considered for nomination, one must hold a Senior Member grade at the time the nomination is submitted and shall have been a member in good standing in any grade for a period of five years or more preceding January 1st of the year of elevation.

You also need a nominator, who does NOT need to be a Fellow.

You will need a minimum of 5 and a maximum of 8 current Fellows to act as references.

Nominations are now closed for the IEEE Fellows class of 2012. Nominations will re-open in December for 2013 nominations. Nominations need to be submitted by 1 March 2013. If any one believes someone is worthy of this nomination from within the ranks, please speak to John and he will assist in the process. The sooner this process begins the better. Nomination forms normally need to be completed and submitted by February. It seems like a long way off but it's always best to start the planning now.

6) LIAISON REPORTS

a) IEEE IAS PUBLICATIONS - MARK WEAVER

Mark reported that 7 papers from last year's conference were submitted to the IAS Magazine for consideration and 6 papers were sent for publication in the IAS transactions.

Papers from this year's conference will be reviewed for submission.

b) IEEE/IAS – DAVE DUROCHER

Blake Lloyd is the IAS president elect for year 2013-2014 and Dave Durocher is the vice-president for IAS. Mark Weaver is continuing as the assistant editor of the IEEE Transactions on Industry Application. This participation has enabled PPIC to benefit as members of IAS in areas such as Society co-funding of the James A Rooks Student Intern program.

c) TAPPI - BURT JUDSON

Burt Judson reported that TAPPI, specifically the Electric Drives Committee, continues to be very active. There are discussions on holding their 8-hour drive system short course again at a future PPIC conference – possibly 2012. The format would be somewhat more informal based on the feedback received in 2009.

TAPPI is still considering a future 1-1/2 day course with regard to "How to calculate Drive/Winder HP Constants", which may be held in Portland.

d) IEEE - STANDARDS PROJECTS COORDINATION - JOHN MALINOWSKI

John Malinowski reported the following:

Many of the IEEE Standards subcommittees will meet at the PCIC in Toronto in September. Standards:

IEEE 1068 - Standard for the Repair and Rewinding of AC Electric Motors in the Petroleum, Chemical and Process Industries.

P1349 - This continues with WG meetings several times a year in the Houston area.

P1599 - Large adjustable speed drives released 2009.

P841 – Premium Efficiency, Severe-Duty, Totally Enclosed Fan-Cooled (TEFC) Squirrel Cage Induction Motors—Up to and Including 370 kW (500 hp)

e) IEEE ELECTRICAL SAFETY WORKSHOP - LARRY THOMAS

The electrical safety workshop committee will meet in Toronto, ON at the PCIC conference. The 2012 IEEE IAS Electrical Safety Workshop will be held January 30 - February 3, 2012, Daytona Beach, Florida. The workshop website is: http://www.ewh.ieee.org/cmte/ias-esw/index.html

7) OPERATING SUBCOMMITTEE REPORTS

PCEMC – APPENDIX B PDS – APPENDIX C TSSC – APPENDIX D DCS – APPENDIX E FPC (Ad Hoc) – APPENDIX F

8) SAN ANTONIO CONFERENCE REPORT – JOHN MALINOWSKI

Peter Baen was not in attendance. There were some issues where not all attendees staying in the Omni La Mansion del Rio Hotel. The conference had 121 conference attendees including 3 students and 39 registered guests. There were 104 registered for the conference social event.

There is a current estimate of a >\$7,000 loss associated with the 2010 conference. (Even after support from the IEEE PCIC held in San Antonio)

9) FUTURE CONFERENCES – JOHN MALINOWSKI

a) 2012 – JUNE 17-21, Portland, OR

Dave Durocher reported that the 2012 IEEE IAS PPIC Technical Conference will be returning to Portland, Oregon June 17-21, 2012 at The Nines hotel, which is part of the Starwood properties. The rate will be \$169 which will include internet fees. The Nines is easily accessible by way of the MAX Light-rail system which connects directly from the hotel area to the airport. The Nines is also just walking distance to the Riverwalk area in Portland. Terry Durocher is formalizing the guest program.

George Matto will be his finance chairperson and he is continuing to recruit his team which already includes Rory Johnson, Warren Hooper and Larry Thomas.

b) 2013 - Charlotte, NC. - Darren Honaker

Darren Honaker is working with the Omni hotel which is located in the downtown area of Charlotte. He is building his local committee and working on a budget.

c) 2014 AND BEYOND – John Malinowski

2014 – John Malinowski is trying to recruit support for Appleton area. He is in need of someone from a mill or vendor to step up and take the chairperson position.

2015 - Looking at Maine, Midwest U.S.A., Atlanta, Memphis or Jacksonville.

10) TECHNICAL PAPERS - 2012 PORTLAND CONFERENCE: ALEX XU

Alex reported that the subcommittees reported the following papers totals, proposed for the 2012 Portland conference, as of this date;

- 7- A papers,
- 16 B papers,
- 16 C papers,
- 12 D papers.
- 11 E papers,
- 5 Tutorials.
- 4 Panel discussions and,
- 1- Special presentation (arc flash testing results. Paper inclusion will be based on a first come first serve basis based on the ScholarOne entry criteria.

11) SCHOLARONE MANUSCRIPTS UPDATE - ALEX XU

Rhonda Banks had updated the 2011 Author's Guide to provide revised instructions to authors for submitting papers into ScholarOne. Alex will update the Author's Guide for the 2012 conference.

The paper submission process is;

After the interim meeting, the A and B papers are the ones that are focused on After a final review needs is completed, the papers are uploaded into ScholarOne. Alex outlined that he will again be utilizing ScholarOne to a fuller extent this year.

Papers are dealt with as "First come First Served" basis.

12) OLD BUSINESS

a) AD HOC - SUSTAINABILITY - DAVE DUROCHER

Dave Durocher reported that several years ago he continues to reach out to specific industry engineers to promote the conference. After the conference you will receive a thank you for coming with information about 2012. 'Save the Date' emails were sent in April and in May this year. This email blitz will be repeated again for 2012. Dave also follows up with those that attend the conference and those that did not.

Good quality tutorials will also draw user group to the conference as this is all necessary training for them.

b) AD-HOC – PERPETUATION COUNCIL (new leader - Blake Lloyd)

Blake Lloyd will be taking over from John Kay. John has served in this position for many years. Rhonda thanked John for his long tenure in this position and outlined the good things this group has accomplished to date including changes to the conference format.

c) AD HOC COMMITTEE FOR THE JAMES A. ROOKS MEMORIAL INTERN PROGRAM- GREG DREWISKE

One Intern was present for our 2011 conference in Nashville:

Dane Zellers - Domtar, Hawesville, KY

d) JAMES A. ROOKS MEMORIAL CONTRIBUTIONS - DAVE DUROCHER

Dave Durocher reported that the foundation has over \$111,000.00 including the \$30,000 matching fund from IEEE. The funds were used for one intern this year. Our plans are to fund up to four students for the 2012 conference at a rate of \$2000.00 per student.

13) NEW BUSINESS

a) INTERIM MEETING - (DAVE ROLLAY)

Dave updated the group on the future of the interim meeting. The executive discussed the aspects surrounding a change to the format.

Tentative we have a reservation at the Westin Airport Hotel Oct 16/17, 2011

22- Were in favor of Oct 16/17 in Atlanta 16 - Were in favor of Oct 9/10 in Orlando

It was suggested that we use a webinars and conference calls. After a lot of discussion it was agreed that we would still go ahead with Atlanta this year but the executive needs to discuss a plan for future interim meetings beyond 2011 as many felt it was and would be even more challenging to get approval from their employers for the expense of this event.

b) Al Havens- Suggestion regarding the printed Conference Record

Al suggested that we not print the papers (conference record) in a book format and only provide it on a CD. It was felt that the printed conference record still provides a use and other conferences, like the PCIC, still print and charge for conference records. This was not brought forward as a motion and general discussion was negative at this time. The conference record, in paper format, will continue to be offered.

There were no further questions or comments raised.

c) Rhonda requested a motion to adjourn;

A motion to adjourn was made by Larry Thomas at 4:43 PM and was seconded by Dave Rollay. Motion was carried!

Business meeting was closed by Rhonda.

APPENDIX A-**FULL COMMITTEE CONFERENCE MEETING AGENDA**

FULL COMMITTEE CONFERENCE MEETING AGENDA

IEEE PULP & PAPER INDUSTRY COMMITTEE Sheraton Nashville Downtown Hotel – Nashville, Tennessee JUNE 21, 2011 3:00 PM to 5:00 PM

1 - Welcome & Introductions	Rhonda Banks
2 - Review/Approval of Minutes of Interim Meeting	John Kay
3 - Executive Committee Report	John Kay
4 - Treasurers Report/Conference Audits	Greg Drewiske
5 - Standing Subcommittee Reports:	
a - Membership (Submitted Report)	Alan Lowe
b - Mailing List	John Kay
c – Fellows Nominations	John Kay
d - Paper Awards / Magazine and Transactions Submittals	Mark Weaver
e - Publicity	Rob Boteler
f - PPIC Awards Nominations	Rory Johnson
6 - Liaison Reports:	
a - IEEE - IAS	Dave Durocher
c - TAPPI	Burt Judson
d - IEEE - Standards Projects Coordinating	John Malinowski
e - Electrical Safety Workshop	Larry Thomas
7 - Operating Subcommittee Reports (Announcing Replacements):	

a - PCEMC Roland Roberge b - DCS Darren Honaker c - PDS Felix Nepveux

d - TSSC Bryan Gunter (Rachel Bulgaris)

e - FPC (Ad Hoc) John Kay

8 - Nashville Conference Report John Malinowski

9 - Future Conferences

a - 2012 Portland **Dave Durocher** Darren Honaker b - 2013 Charlotte John Malinowski c - 2014 and beyond

10 - Portland Conference Technical Papers Alex Wu 11 - 2010 Conference Paper Award Winners Mark Weaver

12 - Old Business

a - Ad-Hoc - Sustainability **Dave Durocher** b - Ad Hoc Committee on Student/Intern Engineers Greg Drewiske c - James A. Rooks Memorial Contributions **Dave Durocher**

13 - New Business

Adjourn Full Committee Meeting on or before 5:00 PM

APPENDIX B- PCEMC SUBCOMMITTEE

Industrial Applications Society Pulp and Paper Industry Committee Process Control, Engineering, Maintenance & Construction Meeting June 21, 2011

Meeting Start: 12:15 PM Meeting Adjourned: 2:20 PM

Recorded by: Roland Roberge

Total Members: 15

Members Present: 9

Rhonda Banks Dave Durocher
Burton Judson JR Blake Lloyd
Roland Roberge Allen Watson JR
Larry Menche George Matto

Robert Montgomery

Dane Zellers Guest Brent Zahnd Guest Darcy Tangedoc Guest

Members Excused: 3

Peter Baen Laurie Cihlar Jerry Nuernberger

Members Not Excused: 3

Pamela Gold Mike Tribe Richard Watkins

Paper Reviewer for 2012: Robert Montgomery

Backup Paper Reviewer Blake Lloyd

Introduction:

Introductions were made and a list of the PCEMC members was circulated for attendance and updates.

General Business:

- Volunteer for Vice Chairman PCEMC is Felix Nepveaux.
- The Interim Conference date is targeted for Oct 16 & 17th in Atlanta.
- Volunteers for the following open positions were requested:
 - Interim Organizer (for fall 2011 David Rollay will make the arrangements and Rolland Roberge will be site contact.)
 - o Publicity Chair Dave Durocher for 2011-2012
 - o Unusual Failure Coordinator No volunteers
- Nomination for the Meritorious Service Award and the Engineering Award are open. The paperwork needs to be submitted by the interim meeting.

New Business:

 The list of proposed papers was reviewed and updated with changes. New paper topics were discussed. The list submitted to the General Committee was:

1 A Paper

1 B Papers

5 C Papers

4 D Papers

6 E Papers

17 Total

1 Panel Discussion

2 Tutorials

 Promotion of the PCEMC was a success with 4 guests attending the subcommittee meeting.

Meritorious Award Nominees

No Meritorious Award Nominees were presented at the meeting.

Future Papers

Reference the Microsoft Excel spreadsheet that accompanies the minutes for the list of future papers.

APPENDIX C- PDS SUBCOMMITTEE

POWER DISTRIBUTION SYSTEM SUBCOMMITEE ANNUAL MEETING MINUTES DOWNTOWN SHERATON HOTEL, NASHVILLE, TN

Meeting Date: June 21, 2011

Meeting Start: 1:00 pm Meeting Adjourn: 2:30 pm

Recorded by: Felix Nepveux

Total Membership: 30 Potential New Members: 0

Members Present: 17

Cathy Dalton J C Das

Richard Field Warren Henson
Jane Hutt Todd Legette
John Levine Anthony Locker
Charles Mozina Felix Nepveux
Richard Schaefer Ron Simpson
Glenn Smith Marcelo Valdes
William Vilcheck Craig Wester

Alex Wu

Guests: 5

Chuck Collins Jerry Nuernberger Warren Hopper Clifton Engram

Terrance Smith

Members Excused: 2

Douglas Moody

Ed Reid (not in list of members, but excused anyway)

Members Transferred: None

Resignations: None

Meritorious Award Nominees: 0

2011 Paper Grader: Rich Schaefer

2012 Paper Grader: Rich Schaefer

Introduction

Felix Nepveux welcomed all present to the Nashville PDS Subcommittee annual. Each member introduced him or her/self. A list of the PDS members was circulated for updating and attendance. Updates have been forwarded to Alan Lowe.

Executive Meeting Summary

Significant Executive Committee Meeting topics were reviewed:

The formatting in the Author's guide should be used in papers.

The 2011 PPIC interim meeting will be held in Atlanta on Oct 16 – 17, at the Airport Westin Hotel.

The 2012 PPIC annual meeting will be held in Portland, OR

Future Papers

The subcommittee engaged in a discussion regarding technical papers for Portland conference. See the table in the following pages.

Old Business

1. There were no nominations for the Meritorious Awards.

New Business

1. The new chairman of PDS will be Todd Legette, and the new vice-chairman will be Cathy Dalton.

Please contact the writer with any comments or corrections.

APPENDIX D- TSSC SUBCOMMITTEE

TRAINING, SAFETY, STANDARD AND CODES SUBCOMMITTEE IEEE / IAS PULP & PAPER INDUSTRY COMMITTEE

ANNUAL MEETING JUNE 21, 2011 – NASHVILLE, TN

MINUTES

Recorded by: Rachel Bugaris

Members Present: Al Havens

Daleep Mohla
Dave Rollay
Paul Rouillier
Larry Thomas
Rachel Bugaris
Andrew Sohn **
Steve Pittman **
Jim White **
Total: 9

Members with an

Excused Absence: Bryan Gunter

Total: 1

Members with an

Unexcused Absence: Norman Danz

Lanny Floyd Jim Harris Kevin Lippert Ralph Shead **Total: 5**

Total Members: 15 (including 3 new members)

Guests: D. Ray Crow

Michel Dion Samir BuHamad Harry Anstey Warren Hopper Chuck Collins

Total: 6

^{**} Requested TSSC membership at 2011 annual meeting

Introductions

The meeting was called to order by Rachel Bugaris at 12:00 pm.

All attendees and guests introduced themselves. Attendance was taken with correction to contact information.

Jim White, Andrew Sohn, and Steve Pittman asked to join the subcommittee.

Announcements General Business

Open positions in the committee were discussed. Interim meeting coordinator, unusual failures moderator were discussed.

Jim White volunteered to be TSSC vice chairman, which the group accepted.

The group discussed nominations for the Meritorious Engineering and Service awards. Nomination forms can be found in Appendix D of the Operating Guide (http://pulpandpapercommittee.com/). If you would like to nominate someone for this award, please submit nomination prior to the Interim meeting.

Format for future Interim meetings was discussed. Because travel may be difficult many members of this group, the possibility of a virtual meeting was favored.

Next conference will be June 17-21 in Portland.

Thanks to Steve Pittman and Larry Thomas for serving as TSSC paper graders at the 2011 conference.

General Business

Paper Review

Larry Thomas volunteered to be the paper grader for the 2012 conference with Steve Pittman volunteering to be the backup.

It was noted that papers should be sent to reviewers prior to the conference so they have adequate time to review all material. Reviewers noted that some papers have been provided at the last minute making it difficult to read and grade the papers before the presentations.

The possibility of using multiple reviewers was discussed. This would lighten the load for the reviewers, but could lead to inconsistencies in the grading process. This comment will be forwarded to the executive committee for review.

Papers, Panels, & Tutorials

Authors, sponsors, and reviewers of papers and tutorials should utilize the checklists on the committee website (http://pulpandpapercommittee.com/).

The following table summarizes the count of papers, panels and tutorials for the 2012 conference. See the attached spreadsheet for a detailed list.

	Α	В	С	D	E
Papers	1	0	4	1	3
Tutorials	1		1		
Panel				1	
Special Presentation				1 *	

^{*} IEEE/NFPA 70E Arc Flash Research Collaboration Project. Update in form of PowerPoint only, no paper. Follow up to 2011 presentation by Dr. Wei-Jen Lee.

New Business & Discussion

After some discussion, the group decided to add a standards & codes update as a permanent agenda item for this subcommittee. Anyone with information on current or upcoming standards or codes activities should bring them up for discussion during the subcommittee meeting. If appropriate, this will be included in the TSSC report at the general meeting.

Proposals for the next NEC revision are now being accepted. Proposals can be submitted through the NFPA.org website. Proposals will be accepted through November 4th, 2011 at 5 pm EST.

There was some discussion on presentations not following the paper format. Authors should be encouraged to focus presentation on material submitted in the paper.

Adjournment

The meeting was adjourned at 2:50 pm.

Distribution of Minutes

Subcommittee members and guests, Committee Secretary, Committee Membership Chair.

APPENDIX E- DCS SUBCOMMITTEE

INDUSTRY APPLICATIONS SOCIETY PULP & PAPER INDUSTRY COMMITTEE DRIVES AND CONTROLS SUBCOMITTEE 2011 ANNUAL MEETING MINUTES

Meeting Date: Tuesday, June 21, 2011

Meeting Started: 12:42 PM
Meeting Adjourned: 2:36 PM

Chairman: Darren Honaker

Vice Chairman/Secretary: Michael Feldkirchner

Total Members: 43
Members Present: 18
Members Excused: 5
Members Not Excused: 25
Guests: 8

Introduction

Members and guests introduced themselves Attendance / Membership List passed around and annotated

Announcements

Antitrust Announcement was read.

Reminder committee remembers need to keep IAS membership up-to-date. You will get a notice from Alan Lowe if you are not a member of IAS.

Interim meeting set for October 16-17, 2011 Atlanta, GA. Westin Hotel

Reminder to utilize an IEEE alias for your e-mail address. That will simplify keeping track of you in the event you change jobs or Internet providers. Info at www.ieee.org. See below for detailed instructions.

Old Business

Review of DCS Minutes from Atlanta Interim Meeting: Minutes approved as sent.

Future Conferences are scheduled as follow:

2011 Nashville, TN John Malinowski 2012 Charlotte, NC Darren Honaker

2013 Midwest (Milwaukee) Open 2014 Northeast Open

New Business:

Paper Reviewers for 2012 is Duncan Rhodes with Keith Alan as backup.

Nomination for Anibal Valenzuela for Meritorious Engineering Award was submitted by John Bentley.

Request for volunteer for Unusual Failure Chairman

Request for volunteer for Interim Meeting Chairman

Review of Papers:

Sponsors should review Technical Paper for correct format. The submitted papers for 2011 did not follow required format.

See attached spreadsheet Paper count is:

Level	2012	2013
A	2	0
В	7	0
C	3	1
D	0	0
E	1	0
Tutorial	1	1
Panel	0	2

APPENDIX F- FP ADHOC SUBCOMMITTEE

INDUSTRY APPLICATIONS SOCIETY PULP & PAPER INDUSTRY COMMITTEE FOREST PRODUCTS SUBCOMITTEE

2011 Annual ConferenceMEETING MINUTES

Meeting Date: Tuesday, June 21, 2010

Meeting Started: 12:05 PM Meeting Adjourned: 2:30 PM Chairman: John A. Kay

Vice Chairman/Secretary: John A. Kay

Total Members: 7
Members Present: 3

Members Excused: 3 Members Not Excused: 1

Guests: 1

Introduction

Members and guests introduced themselves; we welcomed Walt to the group. Walt was a member but was recently removed. Walt filled in a membership form which will be submitted to Allen Lowe. Attendance / Membership List passed around and annotated

Announcements

Antitrust Announcement was made known.

Reminder committee members need to keep their IAS membership up-to-date. You will get a notice from Alan Lowe if you are not a member of IAS.

Reminder that the interim meeting date will be discussed at the full committee meeting. Reminder was given to utilize an IEEE alias for your e-mail address. That will simplify keeping track of you in the event you change jobs or Internet providers. Info at www.ieee.org.

Old Business

Review of Minutes from Interim Meeting took place: A motion to accept the minutes as written was proposed by John Malinowski and the motion was seconded by Rory Johnson. Minutes approved as sent.

Future Conferences are scheduled as follow:

2012 Portland, OR2013 Charlotte, NCLocal Chair: D. DurocherLocal Chair: D. Honaker

2014 Midwest, Appleton, Milwaukee etc Local Chair: Open

New Business

- Paper Review for the 2012 conference. Many older paper topics were removed from the list.
- John Malinowski will take the leadership of this subcommittee to relieve John Kay. John Kay will act as a backup to John Malinowski.

Meritorious Service Award

No Nominations at this time

Engineering Award

No Nominations at this time

Review of Papers:Spreadsheet of papers will be distributed after the conference. Paper count is: 2013 2014

Level	2012	2013	2014
Α	0	0	0
В	2	0	0
С	1	2	0
D	7	1	0
E	1	0	0
Tutorial	0	0	0
Panel	2	0	0

APPENDIX G- CHECK LISTS

These checklists were created by John Kay in 2010 to assist sponsors, authors and tutorial sponsors/presenters to insure they understand their roles in the creation, completion and presentation of a technical paper to be presented during a future IEEE Pulp & Paper Conference. They are located on the committee website for use by all.

PLEASE INSURE YOU ARE FOLLOWING THE THESE CHECKLISTS!

The paper content for the 2011 conference did have some weak areas as did the formatting of some papers. Please use these guides as a reminder and aid in Sponsoring, Reviewing and Tutorial preparation.

IEEE-PPIC Sponsor Checklist

Paper Title:	Enter Paper Title Here

Author(s): Author #1, Author #2. Author #3,

	Details	Status
□1	Do you have the author's contact information?	TO DO
□2	Have you reviewed their abstract?	TO DO
□3	Does the abstract and title of the paper reflect the content?	то ро
□4	Is the draft formatted as outlined in the IEEE PPIC Style Sheet?	TO DO
□5	Does the paper include anything that would be in violation of the PPIC's policy regarding commercialism as outlined in the Committee Operating	TO DO
□6	Do you know and have you communicated the author's submission deadline dates?	TO DO
□7	Has at least one of the author(s) registered for the conference?	то ро
□8	Does the author(s) know they must present their material?	то ро
□ 9	Have you informed the author(s) about insuring the presentation does not violate the commercialism policies?	то ро
□ 10	Have you reviewed the author's presentation checking for any violations of the policies regarding commercialism?	то ро
□ 11	Have you informed the author(s) about the presentation dress code regarding commercialism?	то ро
□ 12		TO DO
□ 13		TO DO
□ 14		TO DO

IEEE-PPIC Paper Reviewer Checklist

Paper '	Title:
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Enter Paper Title Here	

Author(s):

Author #1, Author #2, Author #3,....

	Details	Status
□1	Do you have the author and sponsor's contact information?	TO DO
□2	Do you know your review deadline(s)?	TO DO
□3	Do you know the author's submission deadline date?	TO DO
□ 4	Does the title of the paper adequately reflect the content of the paper?	TO DO
□ 5	Is the draft formatted as outlined by the IEEE PPIC Style Sheet?	TO DO
□6	Does the paper include anything that would be in violation of the PPIC's policy regarding commercialism?	то ро
□7	Is the paper clear, concise and logically organized?	TO DO
□8	Is the grammar, spelling and punctuation accurate?	TO DO
□9	Does the paper present an adequate analysis of a problem(s) and logically develop conclusion(s)?	TO DO
□10	Are there references to any past papers on the subject, other than just that of the authors, and are they properly noted and formatted?	то ро
□11	Are all figures, pictures and tables legible and labeled?	TO DO
□ 12	Do the figures, pictures and tables support the subject matter?	TO DO
□ 13	Are there technical or commercial assertions that are unsupported?	TO DO
□ 14	You have emailed your suggested & changes to the author and sponsor?	TO DO
□ 15		TO DO
□16		TO DO

IEEE-PPIC Tutorial Presenter Checklist

Tutorial Title:

Enter Tutorial Title Here

	Details	Status
□ 1	Course abstract has been submitted prior to the 3 rd week of October. (Late submissions may not be considered)	то до
□2	Course abstract is approved by a subcommittee, a sponsor is assigned & course has been accepted for possible presentation	то ро
□3	Acknowledgment of acceptance and date of presentation has been received from PPIC Technical Program Chair	TO DO
□4	You have agreed to and confirmed the date of presentation to the PPIC Technical Program Chair	TO DO
□5	Draft of the tutorial materials completed 4 weeks prior to the presentation date at the conference	TO DO
□6	Draft of the tutorial materials has been reviewed by the Sponsor for commercialism and formatting	TO DO
□7	Final version of the tutorial presentation completed	TO DO
□8	Final version of the tutorial hand out materials completed	TO DO
□9	Final version of tutorial presentation and materials reviewed by sponsor for commercialism	то до
□ 10	You have registered for at least the portion of the conference that you are attending	то ро
□11	You have requested the total registrations for your tutorial	TO DO
□ 12	You have made arrangements to make copies of the tutorial materials necessary for each participant at the tutorial	TO DO
□13	Presentation at the conference	TO DO
□14		TO DO
□ 15		TO DO
□16		TO DO
□ 17		TO DO
□18		TO DO
□19		TO DO
□ 20		TO DO

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IEEE/IAS Pulp and Paper Industry Committee Members Attendance

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IEEE/IAS Pulp and Paper Industry Committee Attendance																													
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Robert Adams																		X/X	X/O	X/X	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/E
Tim Albers																			X/X	X/X	X/X	X/X	E/E	X/E	X/O	X/O	O/X	X/E	0/0
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Keith Allen												_	_												/^	X/X	NO	0/0	X/O
Monte Artz																													X/O
Peter Baen																/X	O/X	X/X	X/E	O/E	E/X	X/E	O/E	X/E	O/E	X/X	E/E	X/X	X/E
Ronda Banks														X/E	O/X	X/X	X/X	O/X	E/X	X/X	X/X	X/X	X/E	X/E	O/X	X/X	X/X	X/X	X/X
John Bentley			X/E	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/E	E/E	X/E	X/O	X/E	X/X	X/E	X/E	X/X	X/E	X/E
Kevin Borthwick																			-						O/E	X/X	X/X	X/E	0/0
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Rob Boteler				-	-	-				-	-	<u> </u>	_						\vdash				/X	ΝE	\/\	NO	NO	X/O	_
Rachel Bugarius				_	_	_					_	_	_												_			/X	X/X
Rich Butler																		X/X	X/X	X/O	X/E	X/X	X/X	X/E	O/O	O/O	E/O	O/E	E/E
Charlie Canty				X/X	E/E	E/X	E/O	X/X	E/E	X/X	O/X	X/O	E/O	E/X	E/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	E/X	X/X	X/X	X/X	E/X	O/O
Laurie Cihlar												/X	X/X	X/X	O/X	O/X	E/E	E/X	X/E	E/X	X/X	X/X	X/E	X/E	O/X	E/E	E/E	E/E	E/O
Geoff Clark																									/X	X/X	X/X	X/X	E/O
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Cathy Dalton				<u> </u>	<u> </u>	_		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	$ldsymbol{ldsymbol{\sqcup}}$	\vdash	\vdash	$oxed{oxed}$			\vdash	\vdash		<u> </u>	/X	X/E	X/O	X/X
Norm Danz																									/X	E/X	X/X	X/E	E/O
Jay Das						L							L						-/X	X/X	X/X	E/X	X/E	X/E	O/X	X/X	X/X	X/X	X/X
Greg Drewiske																								X/X	X/X	X/X	X/X	X/E	X/E
David Durocher				i –	T	i T		1		i	T			i		X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
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Stephen Dyrnes			/E	X/E	X/E	E/X	L/U	E/E	X/E	O/E	X/X	X/E	~0	O/E		NΕ	ΛŒ	∧ E	40	∧ /E	L/E	UIU	UIE	40	_	-	_		-
Brenda Etzel				<u> </u>	—	_								_	_	L	L	_	<u> </u>			L	L		/O	X/E	X/O	E/O	O/O
Pete Famighetti				<u> </u>			X/O	X/O	X/E	X/X	X/E	X/E	E/E	E/E	E/E	O/O	X/E	O/O	E/E	E/E	O/E	X/E	X/E	X/X	X/E	X/X	E/X	X/E	O/E
Michael Feldkirchner																	$ldsymbol{ldsymbol{ldsymbol{eta}}}$							X/E	O/O	X/O	X/O	X/E	X/X
Richard Field																										/E	X/E	X/O	X/O
Lanny Floyd																	Г				X/O	O/O	X/E	O/O	0/0	0/0	X/O	O/E	O/O
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Bruce Graves			X/X	E/X	X/X	X/X	X/X	X/X	E/E	X/X	E/X	E/O	E/E	X/O	O/X	X/X	E/E	O/X	X/X	X/X	X/X	X/X	E/E	O/O	0/0	E/O	X/E	X/E	E/O
Don Grey																							X/X	X/X	X/E	X/E	X/E	X/O	X/E
Bryan Gunter																												X/X	X/E
James Harris																	-/X	O/X	O/X	X/E	X/E	X/X	E/X	O/E	E/E	E/O	O/O	O/E	O/E
Al Havens																													X/O
Warren Henson																		O/X	X/E	O/X	X/E	E/O	O/E	O/O	O/X	E/O	O/X	X/O	X/E
Jeff Hill				\vdash	-							\vdash	\vdash					0.71	,	0,,,	,,,,		0.2	0.0	0.71		0.71	O/O	0/0
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Rick Hoadley				_	_						_	_	_					_	\vdash						_	X/E	X/X	E/O	O/O
John Holmquist					/E	X/E	X/X	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/E	X/O	X/O	O/O	E/O
Darren Honaker																							X/E	O/O	X/X	X/X	X/X	X/X	X/X
Bruce Honda																											X/O	E/O	O/E
Warren Hopper																			X/E	O/O	X/E	X/E	X/E	X/E	X/O	X/X	X/E	X/X	X/X
Rich Hunt																										X/X	X/E	O/O	O/O
Jane Hutt				-								 													<u> </u>	707	X/O	X/O	0/0
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Jubin Jackson				_	_			L					L		L	L	.		.			L	/E	X/E	_	X/O	O/O	O/O	O/O
Preston Jackson				O/X	E/X	X/E	X/E	X/E	X/X	X/E	X/X	X/E	X/E	X/X	X/X	X/E	X/O	X/X	X/X	X/X	X/X	X/E	X/E	X/E	X/O	X/E	X/E	X/O	E/O
Rory Johnson		0/	X/X	X/X	X/E	E/O	E/E	X/X	X/O	X/O	X/X	X/O	X/E	X/X	X/O	X/X	X/X	X/X	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/E	X/E
Walt Jones	X/X	X/X	X/X	X/E	E/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/X	X/X	X/X	X/X	X/X	X/X	E/E	X/E	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E
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John A. Kay															X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
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Daniel Kobida			-	\vdash	\vdash	-	-	<u> </u>	<u> </u>	├	₩	<u> </u>	<u> </u>	<u> </u>	-	\vdash	\vdash	\vdash	\vdash		-	\vdash		-	·-	/X	X/X	X/O	0/0
Stan Komander																	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	oxdot	$ldsymbol{\sqcup}$						/E	E/O	X/O	O/O	O/O
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Roger Lawrence																											O/X	X/O	E/E
Todd Legette																									/O	E/O	X/O	X/X	E/X
John Levine											/X	E/X	X/X	E/X	X/E	O/X	X/X	O/X	X/E	O/X	E/E	X/X	X/E	X/E	_	X/X	X/X	X/X	X/X
Pat Link			 	\vdash	\vdash	\vdash	 	\vdash	 	\vdash		/X	X/E	E/E	X/X	O/X	X/X	X/E	X/E	X/X	X/O	X/X		O/X	_	X/E	X/E	X/X	X/X
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Kevin Lippert			<u> </u>	<u> </u>	<u> </u>	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	\vdash	\vdash		\vdash		<u> </u>	\vdash		X/E	_	X/E	-	O/E	0/0
Blake Lloyd													X/E	X/X	X/X	X/X	X/X	X/E	X/E	X/X	X/X	X/X		X/X	X/X	X/X	X/X	X/X	X/X
Anthony Locker			L	L		L	L	L	L	L		L	L	L	L	L	L	L I	L		L		X/O	X/X	O/O	X/X	E/X	X/O	X/O
Bob Lorenz																			X/O	O/O	X/O	X/O	X/E	X/E	X/E	X/E	X/O	X/O	E/E
						O/E	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X		X/X	X/X			X/X	_	X/X	X/X	X/X	X/X
Alan Lowe						_	_				<u> </u>		_						<u> </u>	X/X	X/X	X/X		X/X	X/X	X/E	X/O	X/O	X/X
Alan Lowe						X/E	X/E	VIO	_/_	VIO	0/0	VIO	VIO	EIO	VI	VIF	0/0	VIE	VIF						_	-	_		_
John Malinowski	E/C	VIF		VIE			1 A / E	X/O	E/E	X/O	O/O	WO	X/O	E/O	X/E	X/E	O/O	ΝE	X/E	X/E	X/X	X/O	X/E	X/E	X/E	X/E	X/E	X/X	X/E
John Malinowski George Matto	E/O	X/E	E/E	X/E	E/E	///L	702							l															X/E
John Malinowski George Matto Chad McLelland	E/O	X/E	E/E	X/E	E/E	N.L	702																				O/O	O/O	_
John Malinowski George Matto	E/O	X/E	E/E	X/E	E/E	NL.	70.						X/E	X/X	X/O	X/E	E/E	X/X	X/O	E/X	X/E	X/X	X/X	X/E	X/X	X/X	O/O X/X	O/O X/E	X/E
John Malinowski George Matto Chad McLelland Larry Menche	E/O X/X	X/E X/X	E/E X/X	X/E X/X	X/X	X/X		X/X	X/X	X/X	X/X	X/X	X/E X/X	X/X X/X	X/O X/X	X/E X/X	E/E X/X	X/X E/E	-		X/E E/E	X/X E/O		X/E O/O	X/X X/E	X/X X/E			_
John Malinowski George Matto Chad McLelland Larry Menche									X/X	X/X	X/X	X/X	_	_	_	_		-	-		_			-	_	-	X/X	X/E	X/E
John Malinowski George Matto E Chad McLelland Larry Menche Stan Merritt) Guy Miller									X/X	X/X	X/X	X/X	_	_	X/X	X/X	X/X	E/E	E/O	O/E	E/E	E/O	X/O	0/0	X/E	X/E	X/X X/O	X/E X/O /X	X/E O/O X/O
John Malinowski George Matto Chad McLelland Larry Menche Stan Merritt									X/X	X/X	X/X	X/X	_	_	_	_		-	-	O/E	_	E/O		0/0	X/E E/O	X/E O/O	X/X X/O E/O	X/E X/O	X/E O/O X/O O/O

IEEE/IAS Pulp and Paper Industry Committee Members Attendance

IEEE/IAS Pulp and Paper Industry Committee Attendance

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	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	Α/I	A/I	A/I	A/I	A/I	Α/I	Α/I	A/I	Α/I	A/I	A/I	A/I	A/I
Hugo Monterrubio																											===		X/O
Robert Montgomery						_											-/X	X/X	X/X	E/X	X/E	X/E	O/E	X/E	0/0	X/E	E/X	E/E	X/E
Doug Moody				_	_		_												-/O	X/X	X/E	E/E	E/E	E/E	X/O	X/E	E/E	E/O	X/E
Chuck Mozina				_	_	_	_		_	_									_			_	X/X	X/E	X/X	X/X	X/X	X/X	E/O
Dennis Neitzel		_		_	_	_	<u> </u>	_	_	_									_			<u> </u>	X/E	X/E	X/X	X/X	E/O	O/O	O/O
Felix Nepveux				_	_		_												_	_		_	X/E	X/E	X/O	X/X	X/E	X/X	X/E
Jerry Nuernberger																										/E	X/E	E/E	X/O
Larry Olsen																									/X	X/X	X/X	E/O	X/X
Craig Pinto						_		_												_	X/X	X/X	E/X	O/X	O/X	E/X	E/E	O/O	E/E
David Rains						_																				/X	X/O	O/O	X/O
Duncan Rhodes																X/E	X/X	X/E	X/X	X/X	X/E	X/X	X/E	X/X	O/X	X/X	X/X	X/E	E/E
Roland Roberge																											X/X	X/X	X/X
Dave Rollay	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Paul Roullier							_		/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	X/E	X/X	X/X	X/O	X/E	X/E	X/E	X/X	X/X	X/O	X/E	X/X
Richard Schaefer	<u> </u>	$ldsymbol{ldsymbol{eta}}$		<u> </u>	<u> </u>		Ь		<u> </u>	<u> </u>	<u> </u>		L	<u> </u>	<u> </u>		<u> </u>	-/E	X/E	X/E	X/E	X/X	X/E	X/E	X/X	X/E	X/E	X/O	X/O
Charles Scurry	<u> </u>	$ldsymbol{ldsymbol{eta}}$							<u> </u>	<u> </u>	<u> </u>		L	<u> </u>			<u> </u>		$ldsymbol{ldsymbol{eta}}$	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	X/O
Del Seaver														/O	X/X	X/O	X/E	X/X	X/X	X/X	X/E	E/O	E/E	E/O	X/E	X/E	X/X	E/O	O/E
Ralph Shead													/O	X/X	X/X	X/X	X/X	X/X	X/X	O/O	E/X	X/X	X/O	O/X	X/X	X/O	X/X	X/X	X/O
Ron Simpson				E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Glenn Smith																			X/O	X/E	E/E	E/E	X/E	O/O	X/E	X/E	X/E	E/O	E/E
Mark Spears																									X/O	O/O	O/X	O/O	X/O
Larry Thomas							E/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	E/E	X/E	X/X	X/E	X/E	X/E	X/X	X/E
Rick Timms																										/X	X/E	X/O	O/O
Mike Tribe																							X/E	E/E	O/O	0	X/E	E/E	O/O
Steven Trussell																			X/O	X/E	X/E	E/O	O/E	O/O	O/O	0	O/E	X/O	O/O
Richard Turner																									X/X	X/X	X/X	E/O	O/O
Marcelo Valdes																							X/E	X/X	O/O	E/E	X/E	X/O	X/O
Anibal Valenzuela																			X/E	X/O	X/O	X/O	X/E	X/E	X/E	X/E	X/O	X/O	X/E
Bob Vandenabeele																												/X	X/E
Bill Vilcheck																/X	X/X	O/X	X/X	X/E	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X	X/X
Hank Wachter										X/O	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X	E/E	O/X	O/X	E/X	X/X	X/O	X/O	X/O	X/O	X/X	E/X
Rick Watkins								/X	X/X	X/X	X/O	X/X	E/X	X/X	X/E	O/X	X/X	O/O	O/O	X/X	X/X	X/X	X/O	X/X	O/X	O/X	E/E	E/X	O/E
Allen Watson																				X/O	X/E	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X
Mark Weaver				X/X	X/E	E/X	E/X	X/X	X/E	X/E	X/X	X/E	X/X	X/X	E/E	X/X	X/E	X/X	X/X	X/X	X/X	E/X	X/E	E/E	O/X	X/X	X/X	X/X	X/X
Jon Werking																											X/O	O/O	O/O
Craig Wester																												/E	X/X
Pete Werner													X/O	X/X	X/O	E/E	X/X	X/E	X/X	X/E	X/O	X/X	X/X	X/X	X/E	E/O	X/O	O/O	O/O
Patrick Whatley																												/E	O/O
Jim White																											X/O	E/O	O/O
Jim Williams	E/E	O/O	X/X	X/E	X/X	X/X	X/X	E/O	X/E	E/E	X/E	E/O	E/O	X/O	E/E	E/O	O/O	X/O	O/X	X/X	X/X	X/X	X/X	E/X	E/O	O/O	X/O	O/E	O/O
Brian Winter																				İ				X/X	O/X	O/E	X/O	O/O	O/O
Alex Wu		E/X	X/X	X/X	E/X	E/X	X/X	X/E	X/O	X/E	X/X	X/X	X/O	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X
Mark Zawadzki																/X	E/X	X/O	X/X	E/X	O/O	X/E	X/E	E/O	X/E	X/E	X/E	E/E	X/E
Dave Zimmer		Г														Ė	<u> </u>	Ť	<u> </u>	<u> </u>		┌	一	Ť	┢		X/E	E/E	X/E
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