



INDUSTRY APPLICATIONS SOCIETY

**PULP & PAPER INDUSTRY
COMMITTEE**

MINUTES
of the

FULL COMMITTEE

MEETING

**2000 INTERIM COMMITTEE MEETING
ORLANDO, FL
OCTOBER 23, 2000**

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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
MINUTES OF THE FULL COMMITTEE
HYATT HOTEL
ORLANDO, FL**

OCTOBER 23, 2000

WELCOME AND INTRODUCTIONS

Larry Thomas called the meeting to order at 1:00 PM. He welcomed everyone and explained that he was filling in for Roger Jones who had just returned from the Rome IAS Conference and was unable to attend the interim meeting. He then asked everyone to introduce himself or herself.

SECRETARY'S REPORT

Ron Simpson announced that the minutes from the last Main Committee meeting had been sent out. He indicated that one sub-committee Chairman did not submit a report so was not included in the report. The report did include a full text of the letter that had been sent to the NEC on behalf of the PPIC concerning the proposed change on motor disconnect requirements (SCC #18) in the appendix. A motion was made and passed to accept the minutes. Ron reported the following:

Total Active Members	132	
Total Email	116	
No Emails (postal)	13	
Undeliverable Emails	20	
No e-mail or postal address	1	1

Ron Meihofner passed around a sign in sheet for the meeting and asked attendees to sign in.

Ron Simpson discussed a concern he had with the growing size of the file for the report. He indicated that he had to delete one of the sign in sheets and the NEC comment form from the report so that it would fit on a floppy disk. Zipped file exceeded 1.38MB. He suggested that the scanned sign in sheets be kept by the Membership Chairman but not be included in the issued report as they had become a large part of the file. Committee agreed with including the attendance summary but not the scanned attendance roster or the membership roster. Membership roster could be sent as a separate file when sending e-mail. He also stated that it was important for everyone to keep their e-mail addresses current as that was the easiest and least costly way to issue the minutes. He originally sent e-mails to those that had them listed and a floppy by regular mail to those that did not. He did not send floppies to those that had failed e-mails.

Burt Judson indicated that he had experienced a problem with the self-extract program and was unable to extract the word file. Felt that it might be an incompatibility with the version of word he was using. In the future if anyone has a problem they should report it to the secretary.

EXECUTIVE COMMITTEE REPORT

Rory Johnson reported that 17 were in attendance at the Executive Committee meeting. The meeting started at 6:05PM Sunday evening and ended at 8:20 PM.

2000 ATLANTA CONFERENCE CLOSE OUT REPORT

Charlie Canty reported the final statistics:

224	Registered
70	Guest
36	First Time Attendees
23	Factory Tour
57	Tutorials

This week they are closing out the account with IEEE. They are sending \$15,000 back. Original seed money was \$17,000 so the final total indicates a \$2000 deficit. IEEE still has to perform an audit. Charlie praised the local committee for their dedication and effort in a successful conference.

Charlie thanked all sponsors of the breakfasts. They turned out to be a big success. 100 conference records are left and are for sale. Decided that the price for the records should remain at \$40 until next year's conference. Charlie will bring the remaining records to next years conference where they could be sold at a reduced rate.

TREASURER REPORT/CONFERENCE AUDITS

Blake Lloyd reported that he had started with a balance of \$0 and had successfully maintained the balance at \$0. The Seattle conference audit has been completed. Income was \$161,000, expenses \$158,000. \$16,669 was returned to IEEE that included \$15,000 seed money and a profit of \$1,669.

STANDING SUBCOMMITTEE REPORTS

MEMBERSHIP

Ron Meihofner reported for Alan Lowe that the membership is now 148 members. There is 1 application for membership pending. Since the last interim meeting there have been the following changes: no members have resigned, there are 16 new members and no members were dropped from the roles for nonparticipation.

New Members:

- Robert Adams
- Tim Albers
- Robert Beltz
- Rich Butler
- Jim Closson
- Tim Cmko
- John Fagen
- Russ Ford
- Warren Hopper
- Bob Lorenz
- Jim Mantooth
- Zafer Mohuiddin
- Doug Moody
- Roly Roberge
- Glenn Smith
- Steven Trussell

Pending (1):

- Jay Das

MAILING LIST

Bob Morse reported that the mailing list was updated with corrections made to the mailing list books at the 2000 conference and the added names sent to the mailing list coordinator during the year. Bob sent the revised mailing list disk to the Portland committee for their use in generating the mailing labels for the 2001 conference. This year e-mail addresses were added to the list from all sources for the local committee to use in sending out invitations to the conference. The Portland local committee elected not to purchase the Miller Freeman Managers mailing list this year after a price increase to \$900.

PUBLICITY

Ron Meihofner reported that publicity to IAS had been late due to his computer disk crashing. He has finally gotten the information into the IAS Magazine and it was published in the September/October issue. The next issue of the IAS Magazine will have the write-up and pictures from the Atlanta Conference. Information has also been sent to the Pulp & Paper Magazines for publication. Ron again mentioned the need for a list of other publications outside the paper industry magazines. Information indicated that the list of magazines in the back of the PPIC operating guide is less than 2 years old.

Ron indicated that in past conferences the Committee had offered free conference registration to any magazine reporter who attended the conference and wondered if the Committee wanted to continue to do that. A motion was made and passed to continue this practice.

PAPER AWARDS AND PUBLICATIONS

Rhonda Banks reported on the first, second and mill paper awards from the Atlanta conference. She also praised the work the subcommittee paper reviewers had done for the conference. 13 papers were submitted to the IAS Magazine. All were approved for publication. In addition, eight papers were recommended for publication in the IAS Transactions magazine. 7 have been approved. (See Appendix for a full report).

FELLOWS NOMINATIONS

Clayton Reid reported that IEEE was still reviewing the nominations for IEEE Fellow and their decision on John Holmquist should be known in 6 weeks.

PPIC AWARDS

Larry Thomas reported for Russ Thrift. At the 2000 Atlanta Conference the Meritorious Service Award was given to Burt Judson and The Meritorious Engineering Award to S. P. Reddy. Russ is looking for nominations for the 2001 Conference awards. Russ sent Roger Jones notes of what was needed. The subcommittees hopefully discussed potential nominations in their committee meetings for both awards. Larry requested that all nominations are submitted to him and he will in turn pass them on to Russ. Russ then presents the list to the Executive Committee composed of the Chair, Vice Chair, Secretary and Treasurer. The Executive Committee makes the decision on who will receive the award. Past award winners are listed in the Conference Record. Nominations close at the end of this meeting.

Liaison Reports

TAPPI

Burt Judson reports that TAPPI will have its annual conference March 25-29 in San Antonio next year.

CPPA

Clayton Reid reports that the CPPA annual meeting is at the end of January.

IEEE/IAS

Clayton Reid reports that the annual meeting was held in Rome, Italy this year. PPIC members who attended will give a full report later in the meeting. If anyone who joins the committee and becomes a member of IEEE they must also become a member of IAS. The new IAS directory will be out soon.

IEEE - STANDARDS COORDINATING

Jim Daly reports that SCC #18 will meet December 20 in Atlanta to review and vote on the public comments to the proposed changes in the NEC regarding local disconnects for motors.

Jim also reported that UL has changed the way they develop their standards. They are proposing going to consensus standards and are looking for user input. They hope to correct criticism that they create standards in a vacuum. The procedure will also automatically update ANSI standards. Jim encouraged people to participate. If you are interested you can contact Jim.

OPERATING SUBCOMMITTEE REPORTS

EMMC

Bruce Campbell reports that his committee had 9 persons present this morning out of a membership of 28. EMMC had 7 excused absences and 12 unexcused absences with 1 guest. Paper reviewer for the 2001 conference is Larry Menche

and the alternate Laurie Cihlar. Their nomination for the Meritorious Service award is Frank Newman. (See report in Appendix)

Next years papers that have been identified are:

Number	Type
9	A
2	B
0	C
4	D
5	E

PDS

Cliff Norman reports 11 members in attendance this morning out of a membership of 45. 14 absences were excused and 20 unexcused. Paper reviewer is James Coburn with Charlie Canty as the alternate. They have one nomination for the meritorious award. (See report in Appendix).

Next years' papers that have been identified are:

Number	Type
6	A
1	B
1	C
2	D
0	E

In addition they have one possible panel on solid state versus mechanical relays and one tutorial.

TSSC

Bob Jordan reports 14 members with 8 present. There were 5 excused absences, 1 unexcused absences and 2 guest. Committee has two (2) nominations for the Meritorious Award. Paper reviewer is Steve Pittman with Paul Rouillier as alternate. (See report in Appendix)

Next years' papers that have been identified are:

Number	Type
1	A
2	B
3	C
1	D
6	E

In addition they are proposing two tutorials on electrical safety, one for a morning session and another for the afternoon. People will be able to take one or both.

Bob Jordan presented some information on the Electric Safety Workshop sponsored by the PCIC Safety Committee to be held in Toronto, January 24-26, 2001. He had folders to distribute for anyone who was interested in attending.

DCS

Del Seaver reports 18 present with 11 excused absences and 21 unexcused absences. Paper reviewer is Dunkin Rhodes with the alternate Mark Weaver. Committee had no nominations for meritorious award. (See report in Appendix)

Next years' papers that have been identified are:

Number	Type
13	A
0	B
9	C
1	D
4	E
1	Panel (Mill Wiring Practices)

Del raised the issue of papers being presented in color and whether we were going to continue to provide the conference record on CD.

Also discussed how the committee might improve mill involvement in the conference. Suggestions were to conduct teleconferences or have regional meetings. Voting by the committee did not support either one of these proposals.

CBS

John Thompson reports 3 of 10 members present with 3 excused absences and 4 unexcused absences. CBS had 3 guest this morning. The paper reviewer is Janet Flores with Blake Lloyd as the alternate. Committee had one nomination for Meritorious Service and one for Meritorious Engineering Award. (See report in Appendix)

Next years' papers that have been identified are:

Number	Type
2	A
1	B
5	C
2	D
6	E

2000 IAS CONFERENCE IN ROME

Mark Weaver reported the IAS Conference was conducted the week of October 9, 2000. Attendance was over 1000 and was the largest conference ever at 50% above normal. 60 countries were represented. Over 400 papers were presented at 82 sessions run in 6 to 8 concurrent sessions. PPIC sponsored one session at the Rome Conference. A total of six papers were presented. The papers were well received by the 20 people in attendance. Roger Jones and Mark Weaver co-chaired the session. There was interest from both industry and university representatives to attend our upcoming conferences. 1 paper from this conference could be presented at the next PPIC conference. Clayton Reid and Janet Flores from the PPIC committee also attended.

2001 PORTLAND TECHNICAL PROGRAM

Ron Simpson reported that in the last years the total papers reported at the interim meeting compared to this year were:

	A	B	C	D	E	Tutorial	Panel
Interim	31	7	18	10	21	2	1
1999	19	17	8	11	3	3	1
1998	37	23	3	10	3	3	1

After further discussion it was decided to continue to have both a paper and CD conference record. Also decided to allow authors to submit papers with color for the electronic version but that the paper would continue to be black and white. Printing costs for color are too high. Author can put footnote in their paper to refer to the CD to see the illustrations in color. Author needs to submit 8 hard copies (one would be the original) and one in electronic format. Someone raised the issue of copyright requirements and thought that two originals were required. Ron will check.

2001 PORTLAND CONFERENCE REPORT

Jim Williams reported for George Motto that all arrangements have been finalized with the Marriott Hotel. The hotel rate will be less than Atlanta. The conference dates are June 18-22 and coincide with the Rose Festival. The Rose Parade is two weeks before the conference, the air show one week before and the cart race one week after. The conference committee is now meeting monthly. The web site is up and operating with a link to the hotel so attendees can register on line. The web site is www.pulpandpaper2001.com. Committee approached some magazines to solicit free advertising space but none was available. The cost of paid ads was too high but the magazines did agree to put an announcement in the calendar section. Committee decided to sell space on the conference web site to vendors with links to their web site ads.

Plan on sending letter to all mill managers about the upcoming conference. They want to make certain they have a good list of names. Presently using the TAPPI list as basis for developing one of their own. They did inquire of Lockwood as to their cost for providing a mailing list but felt it was too high. Suggested that committee members review the list to

determine accuracy and completeness. People at Atlanta conference may also be able to help. They will also be planning on sending e-mail to all engineers that may be candidates to attend the conference. They also have a plan to blanket the West Coast area with 11X17 posters including sending them to mill locations for posting. Committee is looking for the names of the Atlanta committee members to contact for advise during the next few months. Charlie Canty agreed to provide.

FUTURE CONFERENCES

2002 – TORONTO, ON

John Kay reports that the conference will be the week of June 16, 2002. The Sheraton Center is a five star hotel located in downtown Toronto. 12 miles of underground tunnel system in the downtown area link to the hotel. Toronto has the Maple Leafs, Raptors and Blue Jays sports teams. Toronto is rated the safest and cleanest city in the world. Lots of activities in downtown.

The local committee is now forming with volunteers and they are still soliciting additional members. The first meeting will be in the next 30 to 60 days. They are also looking for corporate sponsors.

2003 – CHARLESTON, SC

Rhonda Banks reports that the hotel will be the Charleston Place. Conference will be in July for either the week of 6-10 or 20-24. The hotel rate is \$159. June rates are \$219 in 2001. The week of July 20 is preferred over the week after July 4. Still reviewing dates. Rhonda requested and was given permission to go back and look at alternative hotels with lower confirmed room numbers (250). She felt this may very well lower the room rate as it provides some competition.

2004 – VANCOUVER, BC

No update available.

2005 – ORLANDO, FL

Rich Butler reports that in 2005 the PPIC will return to the Florida theme. The first PPIC conference was held in Florida in 1956. No dates have been set as yet. Rich is also looking at Jacksonville as an alternative. Conference may work better in Jacksonville as most of the committee lives there.

2006 –

Phil is still looking for suggestions for conference locations for 2006 and beyond.

OLD BUSINESS

Larry Thomas asked committee members general opinion of Orlando and the Hyatt Hotel as a meeting place. Most felt it was better than Atlanta. Atlanta is still generally viewed as difficult to book hotels and the airfares are high. The people from Atlanta saw their travel costs go up. A show of hands indicated that approximately the same number of people reduced their travel costs as increased. There was a general dissatisfaction with the hotel and the distance from the airport. Most felt that if the next interim meeting was held in Orlando the executive committee should look for a different hotel. Larry Thomas again pointed out that a letter from the PPIC in opposition to the NFPA -NEC committee was sent out after the June conference. Some members of the committee felt that recent modification of the proposed change to NEC 430-102(b) has removed the PPIC major objection. Larry was not as certain that had occurred and still felt, because of the potential cost impact to Pulp and Paper facilities, that everyone should continue to express their opposition. There is one week left to comment. Information is available on the NFPA/NEC and the NEC 2002 web site.

NEW BUSINESS

Larry Thomas felt that it was important to decide on a location for next years interim meeting as it was becoming more difficult to make hotel arrangements with less than 9 months lead time. In a show of hands 21 people voted for Birmingham and 8 for Toronto (the 2002 conference site). He suggested pursuing Birmingham as the location based on a general consensus of the committee members. John Thompson volunteered to investigate hotels in Birmingham. Date would be either October 14-15 or 21-22.

The meeting was adjourned at 2:30 PM.

Appendix A:

**FULL COMMITTEE AGENDA
IEEE PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
HYATT HOTEL - ORLANDO, FL
MONDAY, OCTOBER 23, 2000
1:00 PM**

- 1 – Welcome & Introductions Larry Thomas
- 2 – Review/Approval of Minutes of 6/19/00 Meeting Ron Simpson
- 3 – Executive Committee Report Rory Johnson
- 4 – Atlanta Conference Close Out Report Charlie Canty
- 5 – Treasurers Report/Conference Audits Blake Lloyd
 - a – Seattle Audit Report
 - b – Atlanta Audit Report
- 6 – Standing Subcommittee Reports:
 - a – Membership Alan Lowe
 - b – Mailing List Bob Morse
 - c – Publicity Ron Meihofner
 - d – Paper Awards and Publications Ronda Banks
 - e – Fellows Nominations Clayton Reid
 - f - PPIC Awards Russ Thrift
- 7 – Liaison Reports:
 - a – TAPPI Burt Judson
 - b – PAPTEC (CPPA) Clayton Reid
 - c - IEEE – IAS Clayton Reid
 - d - IEEE - Standards Coordinating Jim Daly
- 8 – Operating Subcommittee Reports:
 - a – EMMC Bruce Campbell
 - b – PDS Clifford Normand
 - c – TSSC Bob Jordan
 - d – DCS Del Seaver
 - e – CBS John Thompson
- 9 - 2001 Portland Conference Report (June 18-22, 2001) Jim Williams
(for George Matto)
- 10 - 2001 Portland Technical Program Ron Simpson
- 11 – Future Conferences:
 - Future Conference Sites
 - 2002 – Toronto, ON June 16-21 Phil Fransen
 - 2003 – Charleston SC July 20-25 John Kay
 - 2004 – Vancouver, BC Rhonda Banks
 - 2005 – Orlando, FL Phil Fransen
 - 2006 - Rich Butler
- 12 – Other Old Business
 - a. Year 2001 Interim meeting location and date Larry Thomas
 - b. NEC Changes Response Larry Thomas
- 13 – New Business

APPENDIX A

FULL COMMITTEE AGENDA

Adjourn Full Committee Meeting approximately 3:30 PM!

APPENDIX B EMMC SUBCOMMITTEE

EMMC minutes Interim Meeting Oct 2000

The EMMC sub-committee convened at 8:00 a.m. in Orlando, Florida on October 23, 2000. There were eight members present (Rhonda Banks, Dave Durocher, Burt Judson, Rory Johnson, Robert Montgomery, Roland Roberge, Tom Grudkowski, and Bruce Campbell). There was one guest present, Allen Watson, Jr.

Seven members had excused absences (Peter Baen, Laurie Cihlar, Del Decker, Frank Newman, Bill Polley, Russ Thrift, and Wayne Vinson).

There were thirteen unexcused absences.

The paper tally for the 2001 Portland conference included "A" = 8, "B" = 2, "C" = 1, "D" = 4, and "E" = 5 for a total of 20 identified possibilities.

One proposed paper, "Establishing an Electrical Safety Program," was submitted to the TSSC sub-committee.

Larry Menche will be the paper reviewer for 2001, with Laurie Cihlar as alternate.

Frank Newman was nominated for the Meritorious Service award in 2001.

There was concern as to how well colored photographs will reproduce in the conference records. Authors will be cautioned to footnote such photographs with the notation that the conference CD Rom will have better definition of these pictures.

Declining attendance trends at recent conferences was noted and is of concern. Rory Johnson made the suggestion that we reach out to members of the wood products industry, especially for the upcoming Portland conference.

Another suggestion, from Peter Baen, was to consider an agenda format similar to that used at the PCIC conference, that is, to present papers from Monday morning through Wednesday noon, and to have sub-committee meetings and tutorials on Wednesday afternoon. This would allow most attendees to return home by Wednesday evening, thereby missing only three days at the mill instead of five, and might help to encourage better attendance. It is suggested that a poll of attendees at Portland be taken in an attempt to determine if such a format would be worth trying.

The meeting was adjourned at 11:52 a.m.

APPENDIX B

EMMC SUBCOMMITTEE

EMMC Sub Committee Oct 2000					
Chairman.....Bruce Campbell					
TITLE	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
CURRENT PRACTICES IN THE INSTALLATION OF CONTROL SYSTEMS	DEL DECKER	HARRIS GROUP	RICK WATKINS	BURT JUDSON LAURIE CIHLAR RICH CARLE DAVE DUROCHER	B
SILICONE TRANSFORMER MAINTENANCE	LARRY CHRISTODOULOU	ELECTRIC POWER SYSTEMS	LARRY MENCHE	RICK WATKINS BILL POLLEY PHIL POOLE DEL DECKER	D
HAZARDOUS CLASSIFICATIONS IN THE NEW NATIONAL ELECTRIC CODE	PETER BENNETT	AB TECH	PETER BAEN	RHONDA BANKS RORY JOHNSON ROBT MONTGOMERY	C
OPTIMIZING MAINTENANCE BY INTEGRATING TECHNOLOGIES AND PROCESS CHANGE	AUGIE DIGIOVANNI	CSI SERVICES	TOM GRUDKOWSKI	DAVE DUROCHER WAYNE VINSON BRUCE CAMPBELL ROBT MONTGOMERY	A
EVALUATION OF MOTOR IMPEDANCE TESTING	JOE ARMSTRONG	BOISE CASCADE	RICK WATKINS	RHONDA BANKS BURT JUDSON	D
APPLYING HUMAN FACTORS IN GRAPHICAL OPERATOR INTERFACES	KEITH COCKERHAM SUSAN HALL DUNCAN RHODES	ROCKWELL ROCKWELL ROCKWELL	BURT JUDSON	DAVE DUROCHER PETER BAEN RHONDA BANKS LAURIE CIHLAR	A
WHY A LUMP SUM CONTRACT IS THE HIGHEST COST APPROACH			DEL DECKER	RHONDA BANKS JOHN FAGEN WAYNE VINSON	E
NEC ENFORCEMENT OF FOREIGN MADE EQUIPMENT			RICH CARLE		E
SUBCOMMITTEE EMMC					
CHAIRMAN BRUCE CAMPBELL					
TITLE	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
WHOLESALE POWER SALES OPPORTUNITIES FOR PULP & PAPER (FERC 888)			RUSS THRIFT		E
CHANGES IN THE NEC FOR PULP AND PAPER APPLICATIONS	FRED HARTWELL	EC & M MAGAZINE	LARRY MENCHE		E
CARBON BRUSH PERFORMANCE AND APPLICATION IN THE PULP & PAPER ENVIRONMENT	ROLAND ROBERGE	NATIONAL ELECTRICAL CARBON PRODUCTS	WAYNE VINSON	DEL DECKER BILL POLLEY BURT JUDSON DAVE DUROCHER	A
RELIABILITY ASPECTS OF BRUSHLESS SWITCH RELUCTANCE TECHNOLOGY	TIM ALBERS AND ROY BLAKE	U.S. ELECTICAL MOTORS	TOM GRUDKOWSKI	ROLAND ROBERGE BURT JUDSON ROBT MONTGOMERY	B
SELECTION OF OPTIMUM INDUCTION MOTOR ROTOR CONSTRUCTION	MARK HODOWANEC AND BILL FINLEY	SIEMENS ENERGY & AUTOMATION	BRUCE CAMPBELL	TOM GRUDKOWSKI RORY JOHNSON RHONDA BANKS ROBT MONTGOMERY	A
MAINTENANCE CONCERNS FOR GOOD OPERATION OF DC MOTORS	GARY LOZOWSKI	NATIONAL ELECTRICAL CARBON PRODUCTS	ROLAND ROBERGE	DEL DECKER WAYNE VINSON ROBT MONTGOMERY	A
CORROSION STUDIES IN PULP & PAPER CONTROL ROOM ENVIRONMENTS	TOM SHELTON		ROBERT MONTGOMERY	RORY JOHNSON RHONDA BANKS	D
CASE STUDY OF A TURBINE-GENERATOR FAILURE	MARK WOODMAN	WESTVACO	LAURIE CIHLAR	RORY JOHNSON RHONDA BANKS	D
SUBCOMMITTEE EMMC					

APPENDIX B

EMMC SUBCOMMITTEE

	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
FAILURE MODES AND TESTING OF ELECTRICAL MOTORS	BOB GLEICHMAN	KOCH INDUSTRIES	BRUCE CAMPBELL	BURT JUDSON RORY ROBERGE TOM GRUDKOWSKI	A
RELATIVE IMPULSE STRENGTH OF MAGNET WIRE AT ROOM TEMPERATURE	CHUCK WILSON	SIEMENS ENERGY 7 AUTOMATION	BRUCE CAMPBELL	RORY JOHNSON RHONDA BANKS BURT JUDSON TOM GRUDKOWSKI	A
HEAT TRACING TECHNOLOGY FOR THE 21ST CENTURY	BEN JOHNSON	THERMON INDUSTRIES	PETER BAEN	RHONDA BANKS WAYNE VINSON LARRY MENCHE	A
TOROIDAL COIL SOLUTIONS FOR AC INVERTER FED MOTOR BEARING CURRENTS			RORY JOHNSON		E

APPENDIX C PDS SUBCOMMITTEE

IEEE Pulp and Paper Conference
Power Distribution Systems Subcommittee
October 13, 1999
Meeting Minutes

Members Present:	David Burrow James Closson Vernon Newbill Elton Parker Bill Vilcheck Alex Wu	Charles Canty Bruce Graves Clifford Normand Ron Simpson Charles Wood
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Total: 11

Excused Members:	Robert Adams Douglas Frushour Bucky Hammonds Shoaib Kahn Jamie Lyles Joe Morlino SP Reddy Richard Schaefer Charlie Toole	Russ Ford Jay Das Warren Henson John Levine George Matto Larry Pryor Ed Reid Glenn Smith
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Total: 17

Guests	none
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Total: 0

Unexcused Absences:	Robert Beltz Terence Branch Robert Burns Tim Crnko Pat Dooley Claude Hudson Douglas Moody Robert Moore Bud Palmer Jim Simpson Prem Tagra Del Ventruella	Melvin Bernard Darrell Broussard TC Chao Don Deyo Stephen Dyrnes Richard Kramer Zafer Mohiuddin Bill Nolley Ted Sexton Ray Smith Paul Tsou
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Total: 23

NOTE: Bruce Grave transferred from DCS to PDS following previous meeting.
Zafer Mohiuddin and Russ Ford previously applied for membership in PDS.

Welcome:

All attendees introduced themselves.

List of members was circulated for updating and attendance. Updates have been forwarded to Alan Lowe.

Bruce Graves was assigned as secretary for PDS to assist the chairman.

Solicited recommendations for nominations for Meritorious Service Award and Meritorious Engineering Award. One name has been submitted and forwarded to Russ Thrift.

Paper grader for Portland will be James Closson. Charlie Canty will be backup.

Shoaib Kahn will present a tutorial. Charlie Canty and Alex Wu will discuss the tutorial topic with Shoaib and settle on the topic. Lightning protection and grounding is the interest. The committee agreed to sponsor the tutorial.

The Portland, Oregon, conference will be held June 16-22, 2000.

Schedule for papers for Portland was distributed.

Future papers were discussed, see separate tally sheet.

Adjourn

APPENDIX C

PDS SUBCOMMITTEE

SUBCOMMITTEE CHAIR		Power Distribution Clifford Normand							October 25, 2001		
TITLE	AUTHOR/CO	SPONSOR	REVIEWERS	A	B	C	D	E	YEAR	COMMENTS	
1	Incorporation of Large Generators into Existing Power Systems	Alex Wu	John Levine	Ron Simpson, Robert Adams, Charles Wood, Cliff Normand			C			2001	Having problems getting release from mill. Dave Burrow to Assist
2	Silver Whiskers Growth on Power Contacts in Corrosive Industrial Atmosphere	Bella H. Chudnovsky, Dave Swindler, Hong Zou, and John R. Thompson	Bud Palmer	Don Deyo, Gus Henson, Bob Moore, Bruce Graves, Elton Parker		B				2001	
3	Commissioning Numerical Relays	James R. Closson, and Mike Young Basler Electric	Cliff Normand	Doug Frushour, Vernon Newbill, Dave Burrow, Charlie Canty	A					2001	
4	Coordination of surge arrestors with medium-voltage Current-Limiting Fuses	J. Das, Agra Simons Engineering; Carlos T. Mata, Univ. of Gainesville, Fla.	Shoaib Kahn	Tim Crnko, Ron Simpson, Alex Wu, Bill Vilcheck	A					2001	
5	Conditioned Based MV Switchgear Maintenance	Martin Baier, Gabe Paletti, Alexander Gubalov	Bill Vilcheck	Cliff Normand, Bob Moore, Jim Closson	A					2001	Bill expects a draft week 10/30
6	Increasing the Electrical Output of a Cogeneration Plant	Dave Paine, Harris Group	Jim Rooks	Alex Wu, Vernon Newbill, Dave Burrow	A					2001	Author Release in hand 10/23.
7	Unit transformer substation comparison- An Update	Chuck Nockunson, Cutler Hammer	Elton Parker	Don Deyo, Charlie Toole, Bud Palmer, Zafer Mohiuddin	A					2001	Elton advised that second draft prepared and will distribute week 10/30.
Class A: Paper has a sponsor, a committed author, and abstract, and a roughdraft in hand ready for review. Class B: Paper has a sponsor, a committed author, and abstract in hand. Class C: Paper has a sponsor and a committed author. Class D: Paper has a sponsor and an identified author. Class E: Paper has a sponsor.											
SUBCOMMITTEE CHAIR		Power Distribution Clifford Normand									
TITLE	AUTHOR/CO	SPONSOR	REVIEWERS	A	B	C	D	E	YEAR	COMMENTS	
8	Tutorial: Title to be determined.	Shoaib Kahn	Charlie Canty		A					2001	Charlie and Alex Wu to work with Shoaib to determine topics.
9	Electrical Safety Considerations in Paper Mills	Bob Beltz, Cutler Hammer, and Mike Barron, PH Gladfelte	Bill Vilcheck	Glenn Smith, John Levine, Robert Adams							Assigned to TSCC.
10	Panel Discussion: Comparison of Micro Processor Relays vs. Electro-Mechanical Relays.	Panel: Jim Closson, Alex Wu	Charlie Canty							2001 or 2002	Could be pulled together for 2001 if needed.
11	Installation of An Integrated Turbine-Generator Control System for a Pulp Mill (DCS Subcommittee Paper, requesting PDS reviewers)	Mark Weaver, Dave Brown	Dave Rollay	PDS: Vernon Newbill and Shoaib Kahn							DCS tracking
12											

APPENDIX C

PDS SUBCOMMITTEE

SUBCOMMITTEE CHAIR		Power Distribution Clifford Normand								
TITLE	AUTHOR/CO	SPONSOR	REVIEWERS	A	B	C	D	E	YEAR	COMMENTS
15	Case Studie of Electrical System Reliability and upgrade justification.	Alex Wu, Jerry King (GE), Yousin Tant	Ron Simpson	Next meeting			C		2002	
16	Case Studies of MV Cables Operating at 105cC and Above	John Candosi	George Matto	Pete Crawford, Bob Moore, and Don Deyo			C		2002	
17	Drive Isolation Transformers		Zafer Mohiuddin					E	2002	No action (10/25), would like someone to write such a paper.
18	High Voltage Cable Applications, 115 kV and Above	Joe Zimnoch	George Matto	Stephen Dymes, Shoab Kahn, John Holmquist, and Ted Sexton			D		2002	Note to George on status 10/25/00.
19	Feeder and Motor Protection in the Next Millennium.	John Levine	Ron Simpson	Robert Adams, Jim Rooks, Bruce Graves, Terry Branch			D		2002	John can't go to Portland in 2001
20										
21	A relay nightmare, A Case Study	John Boyle	Jim Closson	Alex Wu, Vernon Newbill, Charles Wood	B				2003	Jim to discuss with Author and advise.
Class A: Paper has a sponsor, a committed author, and abstract, and a roughdraft in hand ready for review. Class B: Paper has a sponsor, a committed author, and abstract in hand. Class C: Paper has a sponsor and a committed author. Class D: Paper has a sponsor and an identified author. Class E: Paper has a sponsor.										
SUBCOMMITTEE CHAIR		Power Distribution Clifford Normand								
TITLE	AUTHOR/CO	SPONSOR	REVIEWERS	A	B	C	D	E	YEAR	COMMENTS
22	Predictive Maintenance and Diagnostics for Critical Motors	Matt OKane, Cutler Hammer	Tom Grudkoski							DELETED 1000, AUTHOR NOT PREPARED.
23	Flood damage recovery at Franklin VA	Tom Jenkins	Cliff Normand							DELETED 1000, AUTHOR NOT PREPARED.
24	Applications for Medium voltage Soft Start Solid State in Pulp and Paper Industry.	Jeff Ratcliff	John Levine	Larry Pryor, Bucky Hammonds, Jim Rooks, Robert Adams						DELETED 1000, AUTHOR NOT PREPARED.
25										
26										

APPENDIX D TSSC SUBCOMMITTEE

**TRAINING, SAFETY, STANDARD AND CODES
SUBCOMMITTEE
IEEE, IAS PULP & PAPER COMMITTEE
INTERIM MEETING
MINUTES of MEETING**

Meeting Date: October 23, 2000

Recorded by: Robert S. Jordan / Paul Rouillier

Members Present:	Jim Daly	Ralph Shead
	Bob Finke	Jim Williams
	Jim Harris	Clayt Reid
	Paul Rouillier	Bob Jordan
	Total: 8	

Guests Present: Tim Crnko
Gary Wetzl

Total Present: 2

Excused Absence:	Mike Glenn	Roger Jones
	Steve Pittman	Mike Poynter
	Malcolm Steeves	
	Total: 5	

Unexcused Absence: Neville Laing

Total: 1

Total Members: 14

Distribution: Subcommittee Members, Guests.

Introduction

The meeting was called to order by Bob Jordan at 8:00 AM.
 All attendees introduced themselves.
 An attendance roster was circulated for everyone to sign.
 It was determined that Sid Ticker, who has retired from Southwire, has also "retired" from the committee as no one on the committee had either seen him or heard from him in almost two years.

Announcements & General Business

- ◆ The TSSC subcommittee sponsored 1 paper and 1 Tutorial for the 1999 Technical Conference.
- ◆ Paper judges for the 2001 Conference in Portland were selected. Steve Pittman will be the primary reviewer and Paul Rouillier will be the alternate reviewer.
- ◆ Nominations for the Meritorious Service and the Outstanding Engineering Awards were solicited. Two nominations for the Meritorious Service award were forthcoming. Bob Jordan will forward them to Russ Thrift.
- ◆ The 2001 fall interim meeting will be held again on a Sunday and a Monday either October 14th & 15th or the 21st & 22nd probably in Birmingham, AL, but Toronto, Canada is also under consideration.
- ◆ The Atlanta Conference was discussed. The overall opinion was that it was a good conference.
- ◆ Dave Rollay stopped by to get a lunch count. It was nine (9) for TSSC.
- ◆ The impending NEC change regarding motor disconnect location was discussed. Jim Daly, a member of IEEE SCC Panel #18, was directed that the Subcommittee's position was not to take any action, based on the NFPA Code Panel's comments that have been published on their website.
- ◆ Copies of the 2001 Author's Kit consisting of the Author's Guide and the Style Paper were distributed to Jim Daly and Bob Finke.
- ◆ Jim Daly discussed how Underwriters Laboratories (UL) is restructuring its method of writing and reviewing standards, which it authors. UL is creating Standards Technical Panels (STPs) which will consist of manufacturer's representatives, technical professionals and user representatives. Jim encouraged all of those who were interested to become involved. He will make the same announcement at the general committee meeting.
- ◆ A general discussion was held to discuss how we might promote interest in our both our annual conferences and attract new Committee members throughout the industry.

Future Papers

See attached paper summary list.

APPENDIX D

TSSC SUBCOMMITTEE

		IEEE - IAS PULP AND PAPER COMMITTEE TRAINING, SAFETY, STANDARDS AND CODES SUBCOMMITTEE TECHNICAL PAPER SUMMARY AND STATUS				DATE: 10/23/2000 Revised: 1/29/01 Revised: 1/30/01					
YEAR		TITLE	AUTHOR(S) - Company	SPONSOR	REVIEWERS	Paper Status					COMMENTS
						A	B	C	D	E	
2002	1	How to Increase Safety Without a Formal Program	Malcolm Steves	Steve Pittman				C			
2001	2	Changes in Insulated Cable Standards	Bob Finke (770)928-9778	Jim Daly	Ralph Shead Clayton Reid Bob Jordan		B				List of consolidated power and control standards.
2001	3	Changes in the 2002 National Electrical Code	Jim Daly (8745)348-1404	Bob Jordan	Bob Jordan Jim Williams Malcolm Steves		B				
2003	4	Harmonization of the NEC and the CEC Ampacities	Jim Daly	Clayton Reid					D		
2002	5	Changes in the NEC and How They Affect the Pulp and Paper Industry		EMMC						E	EMMC brought up idea
2001	6	Update On NFPA 70E (Safety in the Electrical Place)	Tim Czernko (636)527-1384	Clayton Reid	Paul Rouillier Ralph Shead Steve Pittman			C			
2002	7	IEEE 28 and How It Will Effect the Pulp and Paper Industry	Jim Daly	Bob Jordan						E	Accute Effects of Exposure to EM Fields 0-3Khz
	8	Common Cable Application Questions		Steve Pittman						E	
Paper Status Legend											
Class A: Paper has a sponsor, a committed author, an abstract and a rough draft in hand ready for review.											
Class B: Paper has a sponsor, a committed author, and an abstract in hand.											
Class C: Paper has a sponsor and a committed author.											
Class D: Paper has a sponsor and an identified author.											
Class E: Paper has a sponsor.											
		IEEE - IAS PULP AND PAPER COMMITTEE TRAINING, SAFETY, STANDARDS AND CODES SUBCOMMITTEE TECHNICAL PAPER SUMMARY AND STATUS				DATE: 10/23/2000					
YEAR		TITLE	AUTHOR(S) - Company	SPONSOR	REVIEWERS	Paper Status					COMMENTS
						A	B	C	D	E	
	9	Locating Electrical Standards on the Internet		Paul Rouillier							E
2002	10	Computer Aided Training		Mike Poynter							E
	11	Comparing Different Maintenance Methods and Their Effectiveness		Kent Kerns							E Paper or Panel?
2001	12	Electrical Safety Tutorial Part A: Electrical Safety Basics for the 21st Century Part B: Implementation of Elect Safety Program Improvement	(302)695-0146 Lanny Floyd - Dupont / PCIC Committee	Bob Jordan		A					Check with Lanny on availability of CEUs Do on an annual basis.
2002	13	Electrical Safety Considerations in Paper Mills	Bob Beltz and Mike Barron	Bill Vlcheck and Paul Rouillier	Bob Jordan Mike Poynter Ralph Shead			C			CAUTION: May also be listed as a PDS paper. It should be shown as a

APPENDIX E DCS SUBCOMMITTEE**MINUTES OF THE DCS SUBCOMMITTEE MEETING
ORLANDO, FL
OCTOBER 23, 2000****Welcome and Introductions**

Del Seaver called the meeting to order at 8:05 am. The members of the committee introduced themselves. There were 18 present, 11 excused absences, and 21 unexcused.

The mailing list was circulated and used as the attendance sheet. Those present were asked to initial the list next to their name and make any corrections to the list, specifically their e-mail address.

Old Business

The minutes of the annual meeting on June 19, 2000 in Atlanta were read by Bob Olsson and approved.

New Business

It was suggested that future interim meetings could be held via teleconference for those unable to attend specifically mill personnel. After discussing, it was concluded that this was not an effective way to meet for several reasons, and as a result, no further action would be taken.

It was also suggested that the interim meeting could be held in several "regional" locations instead of just one. This was also voted down due to logistics problems, and no additional action will be taken on this subject either.

Deadlines for the technical papers were given. The rough drafts should be complete by 10-23-00, the reviews complete by 11-8-00, final draft to the reviewers by 12-20-00, and the final reviews should be completed and returned to the sponsors by 1-24-00, including the necessary copyright and release forms. The final manuscript needs to be in to the program chairman by 3-6-00 and it then goes to print on 3-20-00.

Del Seaver requested that copies of all papers are sent to him in addition to the sponsors and reviewers so that he can keep track of the progress and expedite any that might fall behind schedule.

Authors kits were distributed and it was noted that they are also available on the IEEE website. It is important to use the 2001 version of the author's kit, because it contains the correct dates with respect to the conference. Several requested that Authors kits be re-transmitted to the sponsors. Del Seaver will do this.

It was recommended that the hard copy of the Conference Record continue to be printed, even though it is more costly than the CD.

Duncan Rhodes will again be the paper reviewer at the Portland Conference, and Mark Weaver will serve as the alternate.

The use of color graphics in technical papers was discussed, and it was concluded that the best method of using color would be to use it in the Power Point presentation and on the CD that accompanies the Conference Record. However, the Conference Record would be printed only in black and white. It was recommended that all of the authors make sure that the colors selected for graphics translate well into gray tones for clarity in the hard copy. This reduces the costs of printing significantly.

Last year, one of the papers presented was a compilation of papers previously presented at the conference. It was suggested that this “paper” be updated on an annual basis. Phil Fransen’s name was mentioned since he authored the original, but no specific action item was agreed upon. Del Seaver will bring it up to the executive board for discussion.

A list of previous recipients of the Meritorious Service Award and the Meritorious Engineering Award was passed around to subcommittee members for review and a request for submission of names for the 2001 awards was made by Del Seaver.

Paper Review

There is now a common review format for all subcommittees to use for tracking and qualifying papers. It is in an Excel format that will accompany these minutes.

At the Annual Meeting in June, the number of papers proposed by the DCS Committee for the Portland Conference was quite low (only 6 papers with a rating of A or B). There were serious concerns about the contributions of the DCS committee. As a result of work done between June and now, the DCS committee looks to be in good shape.

A total of 27 papers were reviewed. It resulted in: 13 “A” papers, no “B” papers, nine “C” papers, one “D” paper, four “E” papers, and one panel discussion.

Abstracts for the following papers were received:

1. Laser Guid ed Loading System
2. Outline – Low Voltage Mill Wiring Practice Roundtable

Rough drafts for the following papers were also received:

1. How to Use Active Harmonic Filters to Your Advantage
2. Bearing Fluting in AC/DC Motors and Rolls on Paper Machines

3. The Usage of Decentralized Observers in Continuous Moving Webs
4. The Effects of Soft Covered Rolls Being Nipped and the Resulting Effects on Roll Regulation
5. Paper Machine Emergency Stop – Case History
6. Comparison Testing of IEEE Standard 841 Motors
7. Motor Repair Specifications and the Repair-Replace Options for the Forest Products Industry
8. Motor Bearing Systems for Forest Product Applications
9. Tension Control in Paper Machines without Tension Transducers
10. No. 3 Paper Machine Drive Upgrade – A Drive Upgrade Done During Machine Washups

The Panel Discussion subject involved proper wiring practices in paper mills. Duncan Rhodes and Mark Zawadzki were organizing it. It was decided to have as much mill participation as possible, and limit it to four panelists. Each would be allowed to make a position statement of 5-10 minutes, with a question and answer period after each. The total time allotted to the panel will be 1 to 1.5 hours. Vendors who were on the list were asked to find a suitable mill person to replace them.

Del Seaver adjourned the meeting at 11:45 am.

APPENDIX E

DCS SUBCOMMITTEE

TITLE	PAPER NO.	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS	NOTES
Paper Machine Drive Upgrade Completed During Washups	2001-07	Dave Zimmer		Duncan Rhodes	Ron Meihofner Mark Weaver John R. Thompson Dick Kane	2001 A	June 00: Paper was presented at TAPPI in 2000. Oct 00: Needs release from TAPPI
Application of an Integrated Turbine Generator Control System	2001-01 (R)	Mark Weaver Dave Brown Steve Hilder		Dave Rollay	Bob Morse Bob Giese John Holmquist Vernon Newbill Shoaib Khan	A 2001	June 99: Abstract given at meeting. Oct. 99: Rugh Draft to be done by end of Nov. June 00: Changed from 2000-B to 2001-B. Paper will be presented at Rome and will be presented at 2001 Conf. Oct 00: Presented in Rome-will be updated for Portland
AC Motor Bearing Systems	2000-07	Tim Albers Austin Bonnett		John Holmquist	Bob Morse Walt Jones Dan Tuney Ron Meihofner Pat Link	2001 A	June 99: Rough draft completed Oct. 99: Changed to 2001 June 00: Abstract submitted and distributed. Rough draft will be ready for Interim. Oct 00: Dist. Rough draft

Motor Repair Specifications for Forrest Products Industry	2001-03	Chuck Yung Austin Bonnett		John Holmquist	Duncan Rhodes Mark Zawadzki Erwin von der Ehe Jim Rooks Mark Weaver	2001 A	Oct. 99: Motor repair from ESA Spec, Best Practices for Motor Repair, Adhering to Best Practices, Changing the rules of Thumb, AC and DC machines. Possible panel discussion. Jim Rooks to sponsor panel with Austin Bonnett to help align panelists. Try for 2 mill people. John Holmquist and Mike Glenn suggested. June 00: Modified title. Abstract submitted and distributed. Added reviewers. This will be a paper, not a panel. Austin is added as a co-author, Sponsor changed to John Holmquist. Oct 00: Dist. Rough draft and handed out EASA ref material.
Comparison Testing of IEEE Standard 841 Motors	2001-06	Alan Wallace John Holmquist Jim Rooks		Austin Bonnett	Tim Albers John Bentley Pat Link Duncan Rhodes Erwin von der Ehe	2001 A	June 00: Abstract received and distributed. Oct 00: Dist. Rough draft
Starting and Setting Procedures in Electric Lineshaft Drives	2001-08	Bob Lorenz AnibalValenz uella		John Bentley	Mark Weaver Bob Morse Walt Jones Alan Lowe Ron Meihofner Del Seaver	2001 A	June 00: This is a follow-up from 2000-05. Oct 00: Dist. Rough draft prior to meeting via E-mail

APPENDIX E

DCS SUBCOMMITTEE

Paper Machine E-Stop Case History	1996-10 Walt Jones	GE	Alan Lowe	John Thompson Richard Kane B. Graves Phillip Fransen Mark Weaver	2001 A	June 99: Change title to "Practices or Guidelines ???" Oct. 99: Changd sponsor. This paper has been on the list for many years. June 00: Walt is committed to have Draft complete by Interim Meeting Oct 00: Dist. Rough draft
AC Motor Optimization for Unwind Applications	1997-02 Steve Evon Duncan Rhodes Burt Judson	Rockwell Rockwell	Mark Weaver	Pete Werner Robert Bengston Walt Jones J. Alan Lowe Mark Zawadzki Bob Morse	2002 C	June 99: Paper not started Oct. 99: Changed to 2001 conf. June 00: Added Duncan Rhodes and Burt Judson as co-authors, Mark Weaver as Sponsor. Rough draft will be ready for interim. Oct 00: Raw data available, will be distributed to reviewers via E mail by Duncan Rhodes.
System Tuning Concepts for a Sectional Paper Machine Drive - A Case History	1997-07 Phillip Fransen	Fransen Engr.	Henry Wachter	J. Alan Lowe Patrick Link Walt Jones Duncan Rhodes Robert Bengston	2002 C	June 99: Looks good for Rome. Oct. 99: Format Changed. Theory, Case Study; To present in 2000 and in Rome. June 00: Paper will not be presented in Rome. Rough Draft will be available at Interim. Oct 00: Needs update from sponsor

Case History of TMP Refiner Synchronous Motor Insulation Failure	1998-13 Phillip Fransen Larry Logan Don McDonald	Fransen Engr.	Austin Bonnett	Mark Weaver Gene Davis Bruce Graves Duncan Rhodes Preston Jackson	2002 C	Oct 00: Needs update from sponsor
Reel Quality and Lineal Footage Tracking System	1999-14 John R. Thompson		Duncan Rhodes	Pat McNulty Walt Jones Phillip Fransen Bob Morse Pete Werner	2002 C	Oct 00: Needs updated from sponsor and author
The Effects of Soft Covered Rolls being Nipped and the Resulting Effects on Roll Regulation	2000-03 Walt Jones	GE	Alan Lowe	Phillip Fransen Duncan Rhodes Bob Morse Pete Werner Dick Kane John R. Thompson	2001 A	June 99: Abstract given at meeting Oct. 99: Rough Draft will be ready by Nov. 99 June 00: Changed from 2000-B to 2001-C. Walt is to redistribute abstract. Draft will be ready for Interim Mtg. Oct 00: Dist. Rough draft
Effects of Power Transmission on AC Motor Bearing Currents	2000-06 Russ Kerkman Gary Skibinski Mike Loth		Duncan Rhodes	Austin Bonnett Mark Zawadzki Pat Link John Bentley Alan Lowe	2002 C	June 99: First draft by Oct. meeting. Oct. 99: No change in status June 00: Changed from 2000-C to 2001-C. Abstract and rough draft promised for Interim. Oct 00: Rough not completed as scheduled.

APPENDIX E

DCS SUBCOMMITTEE

Case History - Paper Machine Speedup	2001-02 Phillip Fransen Gary Ressor	Fransen Engr.	Mark Weaver	Alan Lowe Ron Meihofers Bob Olsson Walt Jones	2002 C	Oct. 99: New submission June 00: Rough draft will be ready for Interim meeting. Oct 00: Need update from sponsor and author
Calibration Issues for Segmented Tension Transducer Rolls	2001-09 Pete Werner		Mark Weaver	Pat Link Dick Kane John Bentley Dave Mintzlauff John R. Thompson Mark Zawadzki	2001 A	June 00: New paper. Abstract and rough draft will be ready for Interim meeting. Oct 00: Rough complete. To be distributed via E mail by Pete Werner.
Reducing Gear Train Breaks through Drive Tuning	2001-10 Jim Klow		Duncan Rhodes	Pat Link John Bentley Phillip Fransen Pete Werner	2002 C	Oct 00: Duncan to contact author.
Case History - Design Considerations of Drive System Installations	2001-12 Warren Hopper		John Holmquist	Pat Link Walt Jones Dave Mintzlauff Mark Weaver Alan Lowe Bob Morse	2002 C	June 00: New paper Oct 00: Sponsor to contact author/

Design Criteria for Power Transformers for Excitation System	1999-10 Rich Schaefer		John Holmquist	Walt Jones John Kay Jim Rooks	2001 D	June 99: Abstract at Interim Oct. 99: Rescheduled for 2001 June 00: Abstract and rough draft committed for Interim. Oct 00: Drop due to uncommitted author
Proper Drive Installation for Adjustable Speed Drives	2002-01 Pat Link		John Bentley	Erwin von der Ehe Warren Hopper Duncan Rhodes John Kay Dave Mintzlauff	2002-01 C	June 00: New Paper Oct 00: No update. Sponsor needs to update status.
Electric Welder Practice in Paper Mills	1996-15		Dave Rollay	Ray Crane Duncan Rhodes Walt Jones Patrick Link John Worsham	2002 E	June 99: Change title to "Practices or Guidelines"?? Oct. 99: Changed Sponsor, This paper has been on the list for many years. June 00: Robert Bengston and Mark Zawadzki are withdrawn as authors. Ray Crane has data, Mike Eickenberry at GB Packaging is to be contacted for suggested authors. Changed to 2002. Oct 00: Need author. Need mill input and technical assistance from welder mfr.

APPENDIX E

DCS SUBCOMMITTEE

Synchronous Motor Field Protection and Control Applications	1999-02 ?		Russ Ford	Mark Weaver Hank Wachter John Kay	2001 E	June 99: Need to check status with sponsors Oct. 99: No updated information, Change to 2001 June 00: Del Seaver to contact author. Sponsor changed from Brian Akelay to Bruce Graves. Changed paper from 2001-D to 2001-E. Oct 00: Need author. Russ Ford to sponsor.
Case History - Application Issues with Mill Applied Coordinated Drive System	2001-01		Jim Mantooth	Pete Werner Walt Jones Bob Morse Rich Butler	2002 E	Oct. 99: Recruit authors June 00: Changed Title, Added reviewers. Oct 00: Need author
Drive Application for Bridge Cranes	2001-04 Kent Campbell		Mark Weaver	Pete Werner Tim Albers Alan Lowe Mark Zawadzki	2001 C	June 00: Author selected, reviewers selected. Oct 00: Abstract not complete. Weaver to push for 2001 Must have rough ASAP
Laser Guided Loading Systems	2001-05 John Holmquist		Jim Rooks	Duncan Rhodes Mark Zawadzki Bob Morse	2001-05 A	June 00: There is a patent pending. Reviewers to be added at Interim meeting. Oct 00: Rough draft received
PANEL DISCUSSION - USA Low Voltage Mill Wiring Practices	2001-11 Patrick Link Dick Kane Mark Zawadzki		Duncan Rhodes	Walter Jones Del Seaver Preston Jackson Bob Morse	2001 C	Oct 00: Outline complete. Add "U. S. A." and "Low Voltage" to title. Try to get as many mill personnel as possible. Del Decker, Dave Zimmer, Bob Jordan ? Warren Hopper?

The Usage of Decentralized Observers in Continuous Moving Webs	2001-12 Thomas Patri Werner Wolfemann Dierk Schroder	Technical University of Munich	Mark Weaver	Pete Werner Walter Jones Ron Mehofer Jim Mantooth	2001 A	Oct 00: Rough distributed
Bearing Fluting in AC/DC Motors and Rolls on Paper Machines	2001-13 Hugh Boyanton Gary Hodges	Shaft Grounding Sys. Willamette Ind.	Jim Rooks	Bob Olsson Mark Weaver Pete Werner Tim Albers Walter Jones	2001 A	Oct 00: Rough distributed
How to Use Harmonic Filters to Your Advantage	2001-14 James R. Johnson	AccuSine Products	Jim Rooks	Jim Mantooth Preston Jackson Pete Werner John Holmquist	2001 A	
Application of Drives to Lime Kilns	2002-02		Mark Weaver		2002 E	Idea only. Weaver to evaluate.

APPENDIX F CBS SUBCOMMITTEE

COMPUTER BASED SYSTEMS SUBCOMMITTEE

MINUTES OF MEETING

Meeting Date: June 19, 2000

Recorded by: John C. Thompson Cutler-Hammer

Members Present:	Joe Armstrong	Boise Cascade Corporation
	Mike Jhaveri	Cerestar USA, Inc.
	Blake Lloyd	Iris Power Engineering, Inc.
	Larry Thomas	Weyerhaeuser Company

Members from another subcommittee:	Steve Pittman	Potlatch Pulp & Paper
	Roger Jones	Weyerhaeuser Company

Visitors:	Brad Semler	Westvaco
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Excused Absences:	Janet Flores	Rockwell Automation
	Stan Merritt	Merritt & Associates, Inc
	Reno Tonsi	Rockwell Automation
	John Worsham	Smurfit-Stone Container Corp.

Distribution: Subcommittee Members, Guests

General

Minutes of last meeting were accepted.

Despite our small numbers, we continue to have good discussion and generated a number of new paper ideas. A paper sponsored by the Subcommittee won the Prize Paper award at the 1999 Conference. Thanks for all your help

2001 Conference Papers

The October Interim Meeting will be held this year on the 22nd and 23rd in Orlando at the Hyatt.

The 2001 Conference will be held on June 18 through 22 in Portland, OR at the Downtown Marriott Hotel. The Conference is being held the same month the city holds its Rose Festival.

The Subcommittee believes that it has two potential papers for the Conference. See attached spreadsheet for Sponsor and Reviewer assignments.

We have a paper on the program for the National IAS Conference in Rome Italy. The paper is titled "Use of Integrated Hybrid Control in a Semi-Chemical/Mechanical Pulping Process".

Janet Flores has agreed to be the Primary Paper Grader, and John Thompson will act as backup.

Other Business

Roger Jones requested we revise our paper numbering system. Other Subcommittees are doing the same thing, leading to confusion with papers having the same reference number. The letter "C" will precede from now on all paper numbers generated by our Subcommittee.

The Subcommittee was given a copy of an email from Mike Glenn detailing a Proposed Change to NEC Article 430-102(b). It would require a motor disconnecting means located in sight of every motor. This proposal has been accepted by the NEC Code Panel 11 and will become law unless comments to the contrary are submitted to the NFPA no later than 10/27/2000. There was a lengthy discussion on what impact this would have on pulp and paper facilities. The final decision and our response to this change were reached in the General Committee Meeting and will be detailed in those minutes.

Respectfully submitted,

John C. Thompson
CBS Subcommittee Chairman

Attachments: CBS_Papers_Update_00.xls
CBS_Attendance_00.xls

APPENDIX F

CBS SUBCOMMITTEE

TITLE	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
PC Based Environmental Monitoring	John Worsham	Jefferson-Smurfit	Mike Jhaveri	Reno Tonsi Janet Flores John Thompson	C
Grounding/Shielding On Electronic Equipment	David Shipp	Cutler-Hammer	John Thompson	Stan Merritt Mike Jhaveri John Worsham	D
Changing From Proprietary DCS Based CD Controls	Steve Pittman	Potlatch	Joe Armstrong	Blake Lloyd Stan Merritt Reno Tonsi	C
On Line Monitoring And Integrated Maintenance Calibration			Joe Armstrong		E
The Hows and Whys of PC Based Control	David Gee	Steeplechase	John Thompson	Laurie Cihlar Blake Lloyd Larry Thomas	A
Automated Tie Line Control			John Thompson		E
Self Calibrating Instruments			Mike Jhaveri		E
Applying Short Circuit And Power Flow Software With Power Monitoring System Information To Solve Mill Problems	Larry Thomas	Weyerhaeuser	Mike Jhaveri	Steve Trussell Joe Armstrong John Thompson	C

SUBCOMMITTEE: Computer Based Systems

CHAIR: John C. Thompson

APPENDIX F

CBS SUBCOMMITTEE

TITLE	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
Energy Management In A Paper Mill			Janet Flores		E
Using Ethernet As A Means Of Digital Control Signal Transmission			Janet Flores		E
Application Of Flywheel UPS			Steve Trussell		E
Update On Environmental Protection In Electrical Control/Equipment Rooms			Joe Armstrong		E
Email Etiquette, OR LACK OF IT	Blake Lloyd Charles Nahm	Iris Power	John Thompson	Laurie Cihlar Mike Jhaveri John Worsham	C
The Benefits Of Intelligent Recipe Management	J Harper M Jhaveri D de Kerf	Cerestar	Mike Jhaveri	Janet Flores Larry Thomas John Worsham	A
Integrating Fieldbus Networks	Steve Pittman	Potlatch	Larry Thomas		D
Information Integration Of Modern Pulp And Paper Industry	Guang-yu Xiong Gang Xiong Tim R. Nyberg	Tampere University of Technology	John Thompson	Blake Lloyd Reno Tonsi Larry Thomas	A

SUBCOMMITTEE: Computer Based Systems
 CHAIR: John C. Thompson

TITLE	AUTHOR	COMPANY	SPONSOR	REVIEWERS	STATUS
The Importance Of Power Quality Management In The Pulp And Paper Industry	Brad Nacke	Liebert Corporation	Blake Lloyd	John Thompson Steve Trussell Joe Armstrong	A

APPENDIX G MEMBERSHIP REPORT

MEMBERSHIP REPORT
IEEE PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
OCTOBER 23, 2000

Our current committee membership is 148. Since the annual meeting in June we have had added 16 new members and no resignations. There is 1 application for membership pending.

New members (16):

Robert Adams
Tim Albers
Robert Beltz
Rich Butler
Jim Closson
Tim Crnko
John Fagen
Russ Ford
Warren Hopper
Bob Lorenz
Jim Mantoath
Zafer Mohuiddin
Doug Moody
Roly Roberge
Glenn Smith
Steven Trussell

Pending (1):

Jay Das

Report submitted by Alan Lowe, Membership Chairman.

APPENDIX G

MEMBERSHIP REPORT

	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
	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	A/I	A/I	A/I
Robert Adams																		X/X	X/O
Tim Albers																			X/X
Joe Armstrong												O/E	O/E	X/X	X/E	X/X	X/X	E/O	X/O
Peter Baen																/X	O/X	X/X	X/E
Ronda Banks														X/E	O/X	X/X	X/X	O/X	E/X
Robert Beltz																			E/E
Robert Bengston														X/X	X/X	E/O	O/O	O/O	O/O
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
Melvin Bernard																			O/O
Austin Bonnett									X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E
Terry Branch							/E	X/X	X/O	X/E	X/X	X/O	X/O	O/E	E/E	O/E	O/O	O/X	O/O
Darrell Broussard																			O/O
Ken Bruni					E/X	X/X	X/E	X/X	X/X	X/E	X/E	X/O	X/E	X/O	X/O	E/E	E/O	O/O	E/O
Robert Burns																			O/O
David Burrow																X/X	O/E	O/O	O/O
Ken Butler																X/O	O/O	O/O	X/O
Rich Butler																		X/X	X/X
Bruce Campbell								/X	X/E	X/O	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/X	X/X
Tom Campbell																	X/O	X/E	O/O
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
Richard Carle														E/E	O/O	O/E	O/E	X/O	X/O
Hayes Carter																	-/X	O/O	O/O
TC Chao							X/X	X/X	X/X	X/X	O/O	X/X	X/O	X/E	E/X	E/O	O/O	E/E	O/O
Stephen Cheek													X/O	X/O	O/O	X/E	O/O	O/O	O/O
Laurie Cihlar												/X	X/X	X/X	O/X	O/X	E/E	E/X	X/E
Gary Clodfelter																	E/E	E/O	O/O
Jim Closson																			-/X
Ray Crane	E/O	X/E	X/E	X/E	X/X	X/X	X/X	X/E	X/E	X/X	X/E	X/E	X/E	X/O	X/O	X/E	X/E	X/X	X/E
Tim Crnko																		X/X	X/X
Pete Dalpe																		O/O	X/O
Jim Daly	X/E	E/E	X/E	X/X	X/E	X/O	X/E	E/X	X/X	X/X	X/E	X/E	X/O	E/X	E/E	X/E	X/O		X/X
Gene Davis, Jr.														/E	X/X	X/X	X/E	E/O	O/O
Del Decker												X/O	X/E	O/O	O/O	X/E	E/E	E/E	X/E
Don Deyo							/E	X/X	X/X	X/X	X/O	E/X	X/X	E/E	X/E	X/O	X/E	X/E	X/E
Pat Dooley												X/X	X/X	X/X					O/O
Gordon Dover																X/X	X/X	O/O	O/O
David Durocher																X/X	X/X	X/X	X/O
Stephen Dyrnes			/E	X/E	X/E	E/X	E/O	E/E	X/E	O/E	X/X	X/E	X/O	O/E	E/E	X/E	X/E	X/E	E/O
John Fagen																		X/X	O/O
Pete Famighetti							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
Bob Finke								X/E	X/X	X/X	X/E	E/X	X/O	X/O	X/X	O/O	O/X	X/X	
Janet Flores													X/X	X/X	E/X	X/O	E/X		O/E
Russ Ford																			X/O
Phil Fransen	X/	X/E	X/E	X/E	X/X	X/X	X/E	E/E	X/E	E/O	X/X	O/O	X/E	X/E	X/X	X/X	X/X	E/X	X/E
Bob Fritz	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/O	E/E	X/O	O/E	E/O	O/E	O/O	E/O
Douglas Frushour																	X/X	E/O	X/O
Terry Gallagher																X/X	X/X	X/E	X/O
Bob Giese					/E	X/O	E/E	O/O	X/E	E/E	X/O	E/O	E/E	X/E	X/O	E/O	E/O	X/E	O/E
Mike Glenn	X/X	X/X	X/X	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/X	E/X	X/O	E/X	X/X	E/X	E/E	X/E	E/E
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
Chuck Grucella							/E	X/E	E/X	X/E	X/E	X/E	X/E	E/E	E/O	E/O	O/E	O/O	
Tom Grudkowski																	X/O	O/O	X/X
Bucky Hammonds														O/X	X/E	X/O	X/O	O/X	X/O
James Harris																	-/X	O/X	O/X
Warren Henson																		O/X	X/E
John Holmquist				/E	X/E	X/X	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
Warren Hopper																			X/E
Claude Hudson	X/X	X/E	X/X	X/E	X/E	X/O	E/O	X/O	X/O	X/O	X/X	X/O	X/E	X/O	X/O	E/E	O/O	O/O	E/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
Mike Jhaveri								/O	X/X	O/X	O/E	X/E	X/X	O/X	X/O	X/O	X/O	X/O	X/O
Rory Johnson		/O	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

APPENDIX G

MEMBERSHIP REPORT

Roger Jones							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
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
Robert Jordan															E/E	X/X	X/E	X/X	X/X
Burt Judson	X/E	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	X/X	X/E	X/X
Dick Kane								/X	X/E	X/E	O/O	O/X	X/E	X/E	X/E	E/E	X/E	O/E	X/O
John A. Kay															X/X	X/X	X/X	X/X	X/X
Shoaib Khan								/E	X/O	X/O	X/O	X/O	X/O	X/O	X/E	X/X	X/E	X/E	X/O
Richard Kramer								/O	X/E	X/E	X/O	X/E	E/E	O/E	X/E	O/E	X/E	O/O	O/O
Neville Laing								/E	E/E	X/E	E/E	X/O	O/E	X/E	E/E	O/E	E/E	O/E	O/O
Larry Layman	X/E	X/E	X/X	X/E	X/E	E/E	X/E	X/X	X/E	E/X	X/E	X/X	X/E	X/X	X/O	O/E	X/E	E/O	O/O
John Levine										/X	E/X	X/X	E/X	X/E	O/X	X/X	O/X	O/X	X/E
Pat Link												/X	X/E	E/E	X/X	O/X	X/X	X/E	X/E
Blake Lloyd													X/E	X/X	X/X	X/X	X/X	X/E	X/E
Bob Lorenz																			X/O
Alan Lowe						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/E
James Lyles																X/O	O/O	O/O	X/E
Jim Mantooth																		X/X	X/X
George Matto	E/O	X/E	E/E	X/E	E/E	X/E	X/E	X/O	E/E	X/O	O/O	X/O	X/O	E/O	X/E	X/E	O/O	X/E	X/E
Patrick McNulty																X/X	X/X	O/X	X/O
Ron Meihofner	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/X	X/X	X/X	E/X	X/X	X/X	X/X
Larry Menche													X/E	X/X	X/O	X/E	E/E	X/X	X/O
Stan Merritt	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	X/X	X/X	E/E
David Mintzloff															O/X	O/E	O/E	O/E	X/O
Zafer Mohuiddin																			-/O
Robert Montgomery																	-/X	X/X	X/X
Doug Moody																			-/O
Bob Moore		/X	X/O	X/X	E/X	X/O	X/O	X/O	X/O	X/O	X/O	X/O	X/O	X/X	X/O	E/X	O/O	O/X	O/O
Robert Moore																	X/O	X/O	X/O
Joe Morlino	X/X	X/X	E/E	X/X	X/O	E/X	X/X	X/X	X/X	X/E	E/E	E/E	E/E	E/O	X/X	X/E	X/E	E/E	X/O
Bob Morse	X/X	E/E	X/E	X/E	X/X	X/X	X/E	X/X	X/X	X/E	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/E	X/X
Vernon Newbill																	X/O	X/X	E/X
Frank Newman	X/X	X/X	X/X	X/X	X/X	X/X	X/E	E/E	X/E	X/E	E/X	E/X	X/X	E/E	X/X	X/E	E/E	O/X	X/E
Bill Nolley																		O/O	O/O
Clifford Normand																	X/X	X/X	X/X
Bob Olsson																	X/X	X/X	X/X
Tom Osborne													O/E	X/E	X/X	X/X	X/E	O/O	O/O
Bud Palmer						X/X	O/X	X/X	X/X	X/X	X/X	X/X	X/O	E/X	E/X	X/X	O/O	E/X	X/O
Jasper Parke																			O/O
Elton Parker	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	X/X	X/X	X/X
Stephen Pittman															X/X	E/X	X/X	X/X	X/E
Bill Polley	X/X	E/E	E/E	E/E	O/X	X/O	X/O	E/E	E/E	X/O	E/E	X/E	X/E	E/E	X/E	X/X	X/E	E/O	X/E
Phil Poole		/E	X/X	X/E	E/X	X/X	X/X	X/E	X/X	E/E	O/E	O/E	X/E	X/X	E/X	E/E	E/E	E/E	E/O
Mike Poynter												X/E	X/O	X/E	E/E	X/O	X/O	X/O	X/E
Larry Pryor																	X/E	X/E	X/E
SP Reddy	X/X	X/E	X/O	X/X	X/E	X/X	X/X	E/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/E	X/O	X/O	X/E
Gary Reed																			O/O
Clayt Reid	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	X/X	X/X	X/X
Ed Reid								/X	X/X	X/X	X/X	X/E	E/X	E/X	X/X	X/O	O/O	E/O	
Duncan Rhodes																X/E	X/X	X/E	X/X
Dwayne Robbins																			O/O
Roly Roberge																		-/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
James Rooks																X/O	X/X	X/O	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	
Richard Schaefer																		-/E	X/E
Del Seaver														/O	X/X	X/O	X/E	X/X	X/X
Ted Sexton								/E	X/E	X/X	X/O	O/O	O/E	X/O	O/O	X/E	X/O	X/O	
Bill Sexton																		-/O	O/O
Ralph Shead													/O	X/X	X/X	X/X	X/X	X/X	X/X
Jim Simpson															X/X	E/X	X/X	O/O	E/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
Ron Sinclair			/X	X/X	X/X	E/E	X/X	X/X	X/E	X/X	E/O	X/O	O/O	O/O	O/O	O/O	X/X	E/E	
Glenn Smith																			X/O
Ray Smith						/X	X/X	X/X	E/E	X/X	X/X	E/X	X/X	X/X	O/O	X/O	O/O	X/O	

APPENDIX G

MEMBERSHIP REPORT

Fred Stack																		X/X	O/O	O/O
Malcolm Steeves							E/O	O/X	X/E	O/E	X/E	E/O	X/O	X/E	O/E	X/E	X/E	X/E	X/O	X/E
Prem Tagra															/X	X/O	E/X	O/O	O/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
John R. Thompson	E/E	E/O	X/O	X/X	E/X	X/E	X/O	X/E	X/E	X/X	X/E	X/E	X/E	X/X	X/E	X/X	X/X	X/X	X/E	X/O
John C. Thompson																		X/X	X/X	X/X
Russ Thrift							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
Sid Ticker											X/E	X/X	O/X	X/X	X/E	X/X	X/O	O/O	O/O	
Reno Tonsi							/X	X/E	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/O	X/E	E/O	
Charlie Toole																		X/O	X/E	
Steven Trussell																			X/O	
Paul Tsou								/X	X/X	X/X	X/E	X/O	X/O	X/X	E/E	O/O	X/O	O/O	O/O	
Anibal Valenzuela																			X/E	
Del Ventruella													X/E	X/E	O/X	X/X	X/X	O/O	O/O	
Bill Vilcheck																/X	X/X	O/X	X/X	
Wayne Vinson															O/X	X/X	X/X	X/X	X/E	
Erwin von der Ehe																	X/E	X/E	X/O	
Hank Wachter										X/O	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X	E/E	
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	
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	
Pete Werner													X/O	X/X	X/O	E/E	X/X	X/E	X/X	
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	
Charles Wood							E/X	E/X	E/X	E/O	O/X	E/X	E/X	O/O	X/X	E/X	O/O	O/O	X/X	
John Worsham																X/X	X/E	X/O	E/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	
Mark Zawadzki																/X	E/X	X/O	X/X	

APPENDIX H PAPER AWARDS AND PUBLICATIONS
INDUSTRY APPLICATIONS SOCIETY
Pulp & Paper Industry Committee

Special Recognition

Paper Reviewers for 2000 Conference in Atlanta

- ❖ **EMMC Subcommittee: Robert Montgomery, Westvaco Corporation**
- ❖ **PDS Subcommittee: Bill Vilcheck, Cutler Hammer**
- ❖ **TSSC Subcommittee: Ralph Shead, Diversified Supply**
- ❖ **DCS Subcommittee: Duncan Rhodes, Rockwell Automation**
- ❖ **CBS Subcommittee: Blake Lloyd, IRIS Power Engineering, Inc.**

Technical Paper Award Winners from 2000 Conference in Atlanta

❖ **1st Place Paper**

“Squirrel Cage Rotor Options for A.C. Induction Motors”

Authors: Austin Bonnett, U.S. Electrical Motors

Tim Albers, U.S. Electrical Motors

❖ **2nd Place Paper**

“Upgrading Power Distribution Equipment – Making the Right Choices for Reliable Paper Mill Operations”

Authors: John McAuliffe, International Paper

Dev Amin, Buckeye Technologies

Ian Peacock, Cutler Hammer

David Durocher, Cutler Hammer

“Reducing the Damaging Effects of Lightning in an Industrial Co-Generation Plant”

Authors: John Holmquist, Weyerhaeuser Company

Roger Jones, Weyerhaeuser Company

❖ **Best Mill Paper**

“Reducing the Damaging Effects of Lightning in an Industrial Co-Generation Plant”

Authors: John Holmquist, Weyerhaeuser Company
 Roger Jones, Weyerhaeuser Company

Technical Papers Selected for Publication from 2000 Conference in Atlanta

IAS Magazine

- ❖ *“Short-Circuit Studies, Coordination Studies and Harmonic Analyses/Studies (What, Why, and When are They Needed)”*
 Author: Bruce L. Graves
- ❖ *“Reducing the Damaging Effects of Lightning in an Industrial Co-Generation Plant”*
 Authors: John Holmquist
 Roger Jones
- ❖ *“Application Considerations for High Resistance Ground retrofits in Pulp and Paper Mills”*
 Authors: Robert Beltz
 Ian Peacock
 William Vilchek
- ❖ *“Digital Excitation System Provides Enhanced Performance and Improved Diagnostics”*
 Author: C. Allan Morse
 C. Richard Mummert
- ❖ *“Alternate Drive for a Paper Machine Lineshaft”*
 Author: Timothy O. Jensen
- ❖ *“Comparison Testing of an Adjustable-Speed Permanent-Magnet Eddy-Current Coupling”*
 Authors: Alan Wallace
 Annette von Jouanne
 Richard Jeffries
 Evelyn Matheson
 Xiaozhou Zhou
- ❖ *“Digital Excitation System Provides Enhanced Tuning Over Analog Systems”*
 Author: Richard C. Schaefer
 Kiyong Kim
- ❖ *“Upgrading Power Distribution Equipment – Making the Right Choices for Reliable Paper Mill Operations”*
 Authors: John McAuliffe, International Paper
 Dev Amin, Buckeye Technologies
 Ian Peacock, Cutler Hammer
 David Durocher, Cutler Hammer
- ❖ *“Reliability Program for Mill Maintenance”*

Author: Rodney Bartell

- ❖ *“Arcing Flash/Blast Review With Safety Suggestions for Design and Maintenance”*
Author: Tim Crnko
Steve Dyrnes
- ❖ *“Using Fiber Optics to Create a Unified Cabling System for Process Control”*
Author: Eric Byres
Colin Mitchell
- ❖ *“Ambient Proportional Control Reduces Electrical Heat Tracing Costs”*
Author: Cameron Thomas
Peter R. Baen
- ❖ *“Industrial Applications of Current Signature Analysis to Diagnose Faults in 3-Phase Squirrel Cage Induction Motors”*
Author: William T. Thompson
Mark Fenger

Industry Application Transactions

- ❖ *“Squirrel Cage Rotor Options for AC Induction Motors”*
Author: Austin H. Bonnett
Tim Albers
- ❖ *“Power System Data Base Management”*
Authors: Ronald Simpson
- ❖ *“Electronic Line-Shafting Control for Paper Machine Drives”*
Robert D. Lorenz
- ❖ *“Ratings of Semiconductors for AC Drives”*
Authors: Thomas Gilmore
Raymond Sladky
- ❖ *“Service-Life Evaluations of Low-Voltage Power Circuit Breakers and Molded-Case Circuit Breakers”*
Authors: Michael Sprague
- ❖ *“Diagnosing Motor Vibration Problems”*
Authors: William R. Finlay
Mark M. Hodowanec
Warren G. Holter

APPENDIX H

PAPER AWARDS and PUBLICATIONS

- ❖ *“Standards and Ratings for the Application of Molded Case, Insulated Case and Power Circuit Breakers”*
Authors: David D. Roybal

- ❖ *“Methods to Determine Which Inverter Drives Need Upgraded Motor Stator Windings”*
Authors: G. C. Stone
S. R. Campbell
B. A. Lloyd