

Minutes
Rigging Working Group
Thursday, 19 July 2012
Hilton New York
New York, NY

Chairman: Bill Sapsis; Sapsis Rigging, Inc.; P; U

Recording secretary: Karl G. Ruling; PLASA

Members attending:

Ethan William Gilson; Advanced Lighting and Production Services; P; U
Steven C. Shaw; Performance Rigging Systems, representing Aerial Rigging; P; DR
Wendy Holt; AMPTP/CSATF, representing the Alliance of Motion Picture and Television Producers; P; G
R. Duane Wilson; George C. Izenour Associates, representing ASTC; P; DE
Charlie Weiner; P; U
Shawn Sack; Columbus McKinnon Corp.; A; MP
Edward A. (Ted) Paget; Daktronics Automated Rigging Solutions (Daktronics Inc.); P; CP
Michael Lichter; Electronic Theatre Controls, Inc.; A; MP
Joseph McGeough; Flying by Foy (Foy Invenenterprises, Inc.); P; CP
Miriam Paschetto; Geiger Engineers; P; G
Ed Garstkiewicz; Harting Inc., North America (Harting KGAA); P; G
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Rod Haney; I.A.T.S.E. Local 891; P; U
John (Jack) Miller; I Weiss; P; CP
William B. Gorlin; McLaren Engineering Group (M.G. McLaren, P.C.); P; G
Peter Herrmann; Motion Laboratories; A; CP
Gregory Quinkert; Motion Laboratories; A; CP
Marty Wesstrom; Mountain Productions Inc.; P; DR
Joseph Jeremy; Niscon Inc.; P; CP
Tim Hansen; Oasis Stage Werks; P; DR
Orestes Mihaly; Production Resource Group ; P; DR
Shawn Nolan; Production Resource Group; A; DR
Rick Montgomery; R&M Materials Handling; P; MP
Kimberly Corbett; Schuler Shook; P; DE
Dan Culhane; SECOA; P; CP
Steve Walker; Steve A. Walker & Associates; P; G
Richard J. Nix; Entertainment Structures Group (Steven Schaefer Associates); P; G
Christine L. Kaiser; Syracuse Scenery & Stage Lighting Co., Inc.; P; DR
Jerry Gorrell; Theatre Safety Programs; P; G
Dan Lisowski; Dept. Of Theatre and Drama (University of Wisconsin - Madison); P; U
Keith Bohn; Tomcat USA, Inc. (Vitec Group plc); P; MP
Mike Garl; Tomcat USA, Inc. (Vitec Group plc); A; MP
Peter V. Svitavsky; J.R. Clancy Inc. (Wenger Corp.); P; CP
Rodney F. Kaiser; J.R. Clancy Inc. (Wenger Corp.); A; CP
Mark Newlin; Xtreme Structures and Fabrication; A; MP

Visitors: Monique Corbeil; CITT
Erin Grabe; NYC College of Technology

1 Opening remarks

Bill Sapsis called the meeting to order at 13:08. He welcomed all to New York, to the subterranean meeting rooms in the Hilton New York, thanked those assembled for their participation in the work of the group.

Roger Lattin asked for a moment of silence for Jose Lucero, a member of IATSE Local 33, who died as the result of a fall while working.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves.

2.2 Circulation of attendance sign-in sheet

A bright pink sign-in sheet was circulated, and those present were instructed to check off their names if they are members or to add their names to the table at the back if they are visitors.

2.3 Call for quorum

Sapsis asked for a show of hands of voting members. He counted them and then announced that a quorum was present.

2.4 Requirements for membership

Sapsis reminded the assembly that membership is open to all who are materially affected by the work of the group. People who would be in the designer interest group category are particularly encouraged to join. However, voting members are required to attend meetings and to vote on letter ballots. Any principal member and voting alternate who both miss three consecutive meetings or letter ballots will have their membership status changed to observer.

2.5 Changes of membership status resulting from lack of attendance.

The following voters and their alternates have missed the last two consecutive meetings, and will be moved to observer status if they miss this one:

- William Bradburn; Aerial Arts, Inc.; User
- Donald A. Hoffend Jr. and Donald Hoffend III; Avista Designs; General interest
- Charlie Weiner; User
- Greg Hareld; Kleege Industries; User
- Michael Wells and Mark Newlin; Xtreme Structures and Fabrication; Mass-market Producer

Charlie Weiner and Mark Newlin were present, so their voting rights were not changed. The rest—William Bradburn, Donald Hoffend Jr., Donald Hoffend III, and Greg Hareld—were moved to observer status.

2.6 Processing of new membership requests

Applications logged as of 4 July 2012:

- Galante Luca; Alfa System Sas; Observer; CP
- Philip J. Piszczak; The National Telephone Supply Company; Observer; G
- Jim Niesel; Arup, change of status from Principal to Alternate
- Steven Shaw; Performance Rigging Systems representing Aerial Rigging; Principal; DR

Eddie Kramer moved that their applications be accepted. The motion was seconded and then approved with a show of hands.

Gregory Quinkert submitted an application to represent Motion Laboratories as an alternate.

Charlie Weiner moved that his applications be accepted. The motion was seconded and then approved with a show of hands. show of hands

Joseph Jeremy of Niscon requested a change of voting status from observer to principal. Charlie Weiner moved that his request be granted. The motion was seconded and then approved with a show of hands.

2.7 Consensus Body

The full consensus body during this meeting, including those not present, was:

Name	Representing	Voting status	Int. cat.
Woody Pyeatt	A V Pro, Inc.	P	DR
Ethan William Gilson	Advanced Lighting and Production Services	P	U
Steven C. Shaw	Aerial Rigging	P	DR
Wendy Holt	Alliance of Motion Picture and Television Producers	P	G
R. Duane Wilson	Amer. Society of Theatre Consultants	P	DE
Robert Young	Arup	P	DE
James Niesel	Arup	A	DE
Charlie Weiner	Charlie Weiner	P	U
Herb Hart	Columbus McKinnon Corp.	P	MP
Shawn Sack	Columbus McKinnon Corp.	A	MP
Art Zobal	Columbus McKinnon Corp.	A	MP
Edward A. (Ted) Paget	Daktronics Inc.	P	CP
Harvey Sweet	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	A	MP
Dana Bartholomew	Fisher Technical Services, Inc.	P	CP
Scott Fisher	Fisher Technical Services, Inc.	A	CP
Joseph McGeough	Foy Invenenterprises, Inc.	P	CP
Rocky Paulson	Freeman Companies	P	DR
John Ringelman	Freeman Companies	A	DR
Miriam Paschetto	Geiger Engineers	P	G
Reid Neslage	H & H Specialties Inc.	P	MP
Tracy Nunnally	Hall Associates Flying Effects	P	CP
Ed Garstkiewicz	Harting KGAA	P	G
Howard Forryan	Harting KGAA	A	G
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	P	U
Rod Haney	I.A.T.S.E. Local 891	P	U
John (Jack) Miller	I Weiss	P	CP
Tray Allen	James Thomas Engineering, Inc.	P	MP
William Beautyman	Limelight Productions, Inc.	P	DR
William B. Gorlin	M.G. McLaren, P.C.	P	G
Pat Grenfell	Mainstage Theatrical Supply	P	DR
Vincent J. Cannavale	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	A	CP

Name	Representing	Voting status	Int. cat.
Gregory Quinkert	Motion Laboratories	A	CP
Marty Wesstrom	Mountain Productions Inc.	P	DR
Joseph Jeremy	Niscon Inc.	P	CP
Tim Hansen	Oasis Stage Werks	P	DR
Ron Bonner	PLASA EU	P	G
Orestes Mihaly	Production Resource Group	P	DR
Shawn Nolan	Production Resource Group	A	DR
Rick Montgomery	R&M Materials Handling	P	MP
Troy Post	R&M Materials Handling	A	MP
Benjamin Cohen	Reed Rigging, Inc.	P	DR
Bruce Darden	Rigging Innovators, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	P	U
Kimberly Corbett	Schuler Shook	P	DE
Joshua Grossman	Schuler Shook	A	DE
Dan Culhane	SECOA	P	CP
Jerald Kraft	SECOA	A	CP
Brad Dittmer	Stage Labor of the Ozarks	P	U
Mark Ager	Stage Technologies Group	P	CP
Steve Walker	Steve A. Walker & Associates	P	G
Richard J. Nix	Steven Schaefer Associates	P	G
Kyle Kusmer	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Stephen G. Surratt	Texas Scenic Company	P	DR
Rick Rosas	Texas Scenic Company	A	DR
Joel A Guerra	Texas Scenic Company	A	DR
Jerry Gorrell	Theatre Safety Programs	P	G
Jeff Wilkowski	Thern, Inc.	P	MP
Adrian Forbes-Black	Total Structures Inc.	P	MP
Elmer Veith	Total Structures, Inc.	A	MP
Theresa Kelley	Total Structures Inc.	A	MP
Kandie Koed	Total Structures Inc.	A	MP
Dan Lisowski	University of Wisconsin - Madison	P	U
Keith Bohn	Vitec Group plc	P	MP
Will Todd	Vitec Group plc	A	MP

Name	Representing	Voting status	Int. cat.
Don Dimitroff	Vitec Group plc	A	MP
Mike Garl	Vitec Group plc	A	MP
Pete Happe	Walt Disney Company	P	U
Jeff T. Miller	Walt Disney Company	A	U
Peter V. Svitavsky	Wenger Corp.	P	CP
Rodney F. Kaiser	Wenger Corp.	A	CP
Michael Wells	Xtreme Structures and Fabrication	P	MP
Mark Newlin	Xtreme Structures and Fabrication	A	MP
Joseph Champelli	ZFX Flying Inc.	P	CP
Stu Cox	ZFX Flying Inc.	A	CP
	Total votes possible	52	
		12	CP
		9	MP
		11	DR
	Votes by interest categories	9	U
		8	G
		3	DE

3 Approval of minutes from the previous meeting

See the draft minutes of the 30 March 2012 meeting, RIGmin03-2012.pdf.

Kimberly Corbett noted a confusing sentence in the draft minutes. It was corrected. Eddie Kramer moved that the corrected minutes be accepted. The motion was seconded and then approved with a show of hands. (The corrected file is RIGmin03-2012r1.pdf.)

4 PLASA declarations

4.1 Anti-trust statement

The following statement was read aloud to the assembly by Bill Sapsis:

"The PLASA Board of Directors, the Technical Standards Council, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or PLASA chair immediately.

"PLASA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

The Technical Standards Manager held up some copies of the pamphlet to show that copies were available at the meeting. No restraint of trade issues were reported.

4.2 Call for patents

The following statement was read aloud to the assembly by Bill Sapsis:

"PLASA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. PLASA uses a process of open patent and copyright disclosures to implement its intent. PLASA does not conduct patent or copyright searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosures policy, I ask if anyone present wishes to notify this working group of the existence of a patent or copyright or other intellectual property that might protect material in a standard being developed by this working group. You need not be the holder of the patent or copyright to notify this working group of its existence."

No protected intellectual property was reported.

5 Approval of the agenda

Wendy Holt moved that the draft agenda be accepted. The motion was seconded and then approved with a show of hands

6 Old business

6.1 ANSI E1.1-2012, wire rope ladders

It's been approved by ANSI, reported Karl Ruling, and is now published.

6.2 BSR E1.2-201x, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers

Consideration of resolutions and revised draft standard. The task group does not consider the changes substantive. See E1-2_RevwCmmntResolsSpring2012.pdf and E1-2-201x_2011-2031r2.pdf.

Mike Garl reported on the work of the task group. He moved that the comment resolutions be accepted. The motion was seconded.

Eddie Kramer noted that one of the public review comments (#5) referred us to see a website that publishes copyrighted material without authorization. There was discussion of perhaps redacting that website address. The consensus was not to change the recorded comments.

The motion was approved with a show of hands. The Chairman, Kimberly Corbett, and Richard Nix abstained, but the rest voted Yes, and there was no opposition. This was 30 Yes votes out a total consensus body of 52.

Garl moved that we accept the revised E1.2 document as an American National Standard. The motion was seconded. The question will be decided by letter ballot.

6.3 ANSI E1.4-2009, Entertainment Technology--Manual Counterweight Rigging Systems

No news or action.

6.4 BSR E1.6-1, Entertainment Technology--Powered Hoist Systems

Karl Ruling reported that the working group had accepted the document as an American National Standard, and that the motion is now on the TSC agenda.

6.5 BSR E1.6-2, Entertainment Technology--Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry

No one commented during the public review. See E1-6-2_NinthRevwSummary.pdf.

Dan Culhane moved that we accept BSR E1.6-2 as an American National Standard. The motion was seconded. The motion will be decided by letter ballot.

6.6 BSR E1.6-3, Safe Use of Electric Chain Hoists in the Entertainment Industry

Report on acceptance progress. As of 3 July 2012, Elizabeth L. Gonzalez, Recording Secretary at the ANSI Board of Standards Review, had not finished asking questions.

Ruling reported that it's been approved. He now needs to publish it.

6.7 BSR E1.6-4, Control of Electric Chain Hoists in the Entertainment Industry

Report on public review. At the March meeting, Knut Skjonberg said the task group has begun addressing the comments.

A set of comment resolutions and a revised draft standard had been sent to the working group, but not until July 16, three days before this meeting. Objections were raised to acting on the documents. They shall be held until the next working group meeting.

6.8 BSR E1.8-201x, Entertainment Technology--Loudspeaker Enclosures Intended for Overhead Suspension--Classification, Manufacture and Structural Testing

One person commented. See the proposed comment resolutions, E1-8FrstRvwResolsSummary.pdf.

Richard Nix moved that we accept the proposed comment resolutions. The motion was seconded and then approved with a unanimous show of hands.

Richard Nix moved we accept the revised E1.8 as an America National Standard. The motion was seconded. The question shall be decided by letter ballot.

6.9 ANSI E1.15-2006 (R2011), Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies

It's published. Any news or action needed?

Ruling reported that he'd received a complaint from a buyer of the standard that it had sentences saying "see Section 0." The problem turned out to be with some bookmarks in the Word file. He fixed them by writing in the clause reference rather than having the document point to a bookmark. Fortunately the R2011 edition is a reaffirmation of the 2006 edition, so he could reference the 2006 edition to see what the clause references were supposed to be.

6.10 BSR E1.21-201x, Temporary Ground-Supported Overhead Structures Used To Cover Stage Areas and Support Equipment in the Production of Outdoor Entertainment Events

Comment resolution and public review vote report. The working group approved the resolutions and that public review, but with dissent. See WG_E1-21_BallotResultsRig_2012-2019r1.pdf.

Dan Culhane moved that the comments offered on the ballot be considered as part of the pending, subsequent public review. The motion was seconded. There was discussion. The motion was approved with a show of hands, with only the Chairman abstaining and all the rest voting in favor.

6.11 ANSI E1.22 - 2009, Entertainment Technology - Fire Safety Curtain Systems

No news or action.

6.12 BSR E1.39 - 20xx, Entertainment Technology --Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry

See the revised draft standard, BSRE1-39-2012-06-26.pdf, and the proposed resolutions, E1-39ScndResolsSummary.pdf.

Ethan Gilson reported that some of the proposed the resolutions made substantive changes, so he thinks we need a third public review.

Gilson moved that we accept the proposed comment resolutions. The motion was seconded. The motion was approved with a show of hands, with Dan Lisowski, Kimberly Corbett, and the Chairman abstaining and the rest voting in favor.

Gilson then moved that the revised draft standard be offered for a third review public review. The motion was approved with a show of hands, with Dan Lisowski and the Chairman abstaining and the rest voting in favor.

6.13 BSR E1.43 - 201x, Live performer flying effect standard

William Gorlin reported that the task group had met this morning and will meet again tomorrow. The goal is to make significant progress and to have a draft document, even if not complete, for the October working group meeting.

6.14 BSR E1.44 – 201x, Common Show File Exchange Format for Entertainment Industry Automation Control Systems -- Stage Machinery

Michael Lichter reported that the task group has created a complete document and that task group members have tested the file format by exporting and then importing show files.

Bill Sapsis asked for the document to be presented to the working group. Lichter said he would provide this for the next meeting.

6.15 Rigging Glossary

Chris Kaiser said that she and her task group are are working on a list of definitions they think should be standardized for our standards.

7 New business

See RiggingInspectionProjectRequestForm_10Apr2012.pdf. Is this a project the RWG wishes to take on?

Chris Kaiser spoke on the need for the standard and how she envisioned it being developed.

Roger Lattin moved that the Rigging Working Group recommend the project to the TSC. The motion was seconded. There was discussion.

Kimberly Corbett said that the stakeholders should include theatre consultants. Karl Ruling added theatre consultants to the form.

The motion was approved with a show of hands, with all voting in favor, except for the Chairman and Eddie Kramer, who abstained.

8 Other business and announcements

Mike Garl mentioned that NATEAC would be held at this same hotel, after our TSP meetings, on Sunday and Monday. Bill Sapsis said that it's going well, that registrations have been good.

9 Schedule for future meetings

Sapsis reported that the next meeting is scheduled for Wednesday 17 October 2012, at the Las Vegas Hotel (previously called the Las Vegas Hilton) in Las Vegas, 19:00 to 23:00.

10 Adjournment

Dan Lisowski moved that the meeting adjourn. The motion was seconded. Noting that we were at the end of the agenda and hearing no objections, Bill Sapsis declared the meeting adjourned at 14:00.

Working Group Membership as of 19 July 2012

Name	Company	Representing	Voting status	Int. cat.
Mark Ager	Stage Technologies	Stage Technologies Group	P	CP
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
Brent Armstong	Brent Armstong	Brent Armstong	O	U
William Ian Auld	Auld Entertainment	Auld Entertainment	O	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U
Rinus Bakker	Rhino Rigs B.V.	Rhino Rigs B.V.	O	G
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Dana Bartholomew	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	P	CP
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	O	G
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Maria Bement	MGM Grand	MGM Grand	O	U
Roy Bickel	Roy Bickel	Roy Bickel	O	G
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
David Bond	Show Restraint Ltd.	Show Restraint Ltd.	O	U
Ron Bonner	PLASA Technical Resources Office	PLASA EU	P	G
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	O	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Barry Brazell	Barry Brazell	Barry Brazell	O	U
André Broucke	André Broucke	André Broucke	O	G
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP

Name	Company	Representing	Voting status	Int. cat.
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	O	DR
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	CP
Daniel J. Clark	Clark-Reder Engineering, Inc.	Clark-Reder Engineering, Inc.	O	G
Benjamin Cohen	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	O	MP
Gregory C. Collis	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	DE
Stu Cox	ZFX Flying Inc.	ZFX Flying Inc.	A	CP
Dan Culhane	SECOA	SECOA	P	CP
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Robert Dean	ZFX Flying Inc.	ZFX Flying Inc.	O	DR
François Deffarges	Nexo	Nexo	O	MP
Cristina Delboni	Feeling Structures	Feeling Structures	O	MP
Jim Digby	The Collaborative Endeavor Group	Linkin Park Touring/The Collective	O	U
Don Dimitroff	Tomcat USA, Inc.	Vitec Group plc	A	MP
Brad Dittmer	Stage Labor of the Ozarks	Stage Labor of the Ozarks	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	O	MP
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	DR
Scott Fisher	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	A	CP
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Howard Forryan	Harting Ltd.	Harting KGAA	A	G
Tim Franklin	Theta-Consulting	Theta-Consulting	O	G
Luca Galante	Alfa System Sas	Alfa System Sas	O	CP
Mike Garl	Tomcat USA, Inc.	Vitec Group plc	A	MP
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G

Name	Company	Representing	Voting status	Int. cat.
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Rand Goddard	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
Reuben Goldberg	Technic Services	Technic Services	O	U
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Thomas M. Granucci	Associated Students, Cox Arena	San Diego State University	O	U
Pat Grenfell	Mainstage Theatrical Supply, Inc.	Mainstage Theatrical Supply	P	DR
Joshua Grossman	Schuler Shook	Schuler Shook	A	DE
Joel A Guerra	Texas Scenic Company	Texas Scenic Company	A	DR
Rod Haney	I.A.T.S.E. Local 891	I.A.T.S.E. Local 891	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Sean Harding	High Output, Inc.	High Output, Inc.	O	G
Greg Hareld	Kleege Industries	Kleege Industries	O	U
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Marc Hendriks	Prolyte	Prolyte	O	MP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Ted Hickey	OAP Audio Products	OAP Audio Products	O	MP
Chris Higgs	Total Solutions Group	Total Solutions Group	O	G
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	O	U
Donald Hoffend_III	Avista Designs, LLC	Avista Designs, LLC	O	G

Name	Company	Representing	Voting status	Int. cat.
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	CP
Joseph Jeremy	Niscon Inc.	Niscon Inc.	P	CP
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	O	MP
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	O	G
Donald A. Hoffend_Jr.	Avista Designs, LLC	Avista Designs, LLC	O	G
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	DR
John Kaes	John Kaes	John Kaes	O	U
Rodney F. Kaiser	J.R. Clancy Inc.	Wenger Corp.	A	CP
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
JoAnna Kamorin-Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
Kandie Koed	Total Structures Inc.	Total Structures Inc.	A	MP
Jerald Kraft	SECOA	SECOA	A	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G
Ken Lager	Pook, Diemont & Ohl, Inc.	Pook, Diemont & Ohl, Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	O	G
Jon Lenard	Applied Electronics	Applied Electronics	O	MP
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	DR
Mylan Lester	Creation Logics Ltd.	Creation Logics Ltd.	O	U
Michael Lichter	Electronic Theatre Controls, Inc. (DE)	Electronic Theatre Controls, Inc.	A	MP
Dan Lisowski	Dept. Of Theatre and Drama	University of Wisconsin - Madison	P	U

Name	Company	Representing	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Darren Lucier	North Guard Fall protection Inc.	North Guard Fall protection Inc.	O	U
Sam Lunetta	Michael Andrews	Michael Andrews	O	DR
Aleksandrs Lupinskis	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	O	U
Gary Mardling	Kish Rigging	Kish Rigging	O	DR
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	MP
Joseph McGeough	Flying by Foy	Foy Invention Enterprises, Inc.	P	CP
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	DR
Orestes Mihaly	Production Resource Group	Production Resource Group	P	DR
Hank Miller	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
John (Jack) Miller	I Weiss	I Weiss	P	CP
Jeff T. Miller	Worldwide Standards and Auditing	Walt Disney Company	A	U
Shaun Millington	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Timothy Mills	Geiger Engineers	Geiger Engineers	O	G
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP
Martin Moore	Martin Moore	Martin Moore	O	G
John "Andrew" Munro	animaenagerie	animaenagerie	O	U
Bob Murphy	Occams Razor Technical Services	Occams Razor Technical Services	O	G
Steve Nelson	3dx Scenic and 3dx FlameCoat	Educational Theatre Association	O	U
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Mark Newlin	Xtreme Structures and Fabrication	Xtreme Structures and Fabrication	A	MP
Rikki Newman	Rikki Newman	Rikki Newman	O	U
James Niesel	Arup	Arup	A	DE
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G

Name	Company	Representing	Voting status	Int. cat.
Shawn Nolan	Production Resource Group	Production Resource Group	A	DR
Tracy Nunnally	Hall Associates Flying Effects	Hall Associates Flying Effects	P	CP
Edward A. (Ted) Paget	Daktronics Automated Rigging Solutions	Daktronics Inc.	P	CP
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	O	CP
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
G. Anthony Phillips	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	U
Philip J. Piszczak	The National Telephone Supply Company	The National Telephone Supply Company	O	G
Troy Post	R&M Materials Handling	R&M Materials Handling	A	MP
Michael Powers	Central Lighting & Equipment, Inc.	Central Lighting & Equipment, Inc.	O	DR
Kurt Pragman	Pragman Associates, LLC	Pragman Associates, LLC	O	G
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR
Gregory Quinkert	Motion Laboratories	Motion Laboratories	A	CP
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	DR
Mark Riddlesperger	LA ProPoint, Inc.	LA ProPoint, Inc.	O	CP
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Timo Risku	Akumek	Akumek	O	DE
Jean-Philippe Robitaille	Show Distribution Group, Inc.	Show Distribution Group, Inc.	O	DR
Rick Rosas	Texas Scenic Company	Texas Scenic Company	A	DR
Shawn Sack	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services, Inc.	Scheu Consulting Services, Inc.	O	G
Peter "Punch" Christian Schmidtke	Hollywood Lighting Services, Inc.	Hollywood Lighting, Inc.	O	DR
Steven C. Shaw	Performance Rigging Systems	Aerial Rigging	P	DR
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	O	CP
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	O	CP

Name	Company	Representing	Voting status	Int. cat.
William Scott Sloan	William Scott Sloan	William Scott Sloan	O	U
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	O	CP
Michael L. Savage, Sr.	Middle Dept. Inspection Agency, Inc.	Middle Dept. Inspection Agency, Inc.	O	G
Rob Stevenson	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
Peter V. Svitavsky	J.R. Clancy Inc.	Wenger Corp.	P	CP
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Katherine Tharp	LA ProPoint, Inc.	LA ProPoint, Inc.	O	CP
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Bill Waters	Conductix-Wampfler	Conductix-Wampfler	O	MP
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Michael Wells	Xtreme Structures and Fabrication	Xtreme Structures and Fabrication	P	MP
Marty Wesstrom	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	O	U
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	P	DE
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Robert Young	Arup	Arup	P	DE
Art Zobal	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP

Voting status

- P principal voting member
- A alternate voting member
- I individual voting member
- O observer, non-voting

Interest categories

- CP custom-market producer
- DE designer
- DR dealer or rental company
- G general interest
- MP mass-market producer
- U user