

Minutes
Rigging Working Group
Saturday, 26 January 2008
Dallas/Ft. Worth Airport Marriott South
Ft. Worth, Texas

Presiding chairman: Bill Sapsis; Sapsis Rigging, Inc.; Sapsis Rigging, Inc.; P; U

Recording secretary: Karl G. Ruling; ESTA

Members attending:

William Bradburn; Aerial Arts, Inc.; P; U
R. Duane Wilson; George C. Izenour Associates, representing the Amer. Society of Theatre Consultants; A; U (joined at this meeting)
James Niesel; ARUP; P; G
Charlie Weiner; P; U
Don Dimitroff; Columbus McKinnon Corp.; P; MP
Herb Hart; Columbus McKinnon Corp.; A; MP
Pat Grenfell; Vortek (Daktronics Inc.); P; CP
Edward A. (Ted) Paget; Vortek Rigging Division (Daktronics Inc.); A; CP (joined at this meeting)
M. Brad Dittmer; Downhome Productions; P; U
Rocky Paulson; Stage Rigging, Inc. (Freeman Companies); P; DR
John Ringelman; Stage Rigging, Inc. (Freeman Companies); A; DR
Joseph Champelli; Fisher Technical Services, Inc.(FTSI); P; CP
Dana Bartholomew; Fisher Technical Services (FTSI); A; CP
Reid Neslage; H & H Specialties Inc.; P; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U (joined at this meeting)
Kent H. Jorgensen; IATSE Local 80; P; G
Peter V. Svitavsky; J.R. Clancy Inc.; P; CP
Rodney F. Kaiser; J.R. Clancy Inc.; A; CP
Mike Garl; James Thomas Engineering, Inc.; P; MP
William Beautyman; Limelight Productions, Inc.; P; DR
Peter Herrmann; Motion Laboratories; A; CP
Tim Hansen; Oasis Stage Werks; P; DR
Ron Bonner; PLASA; P; G
Steven Graham; R&M Materials Handling; P; MP (rejoined at this meeting with new representation and voting status)
Joe Ingle; R&M Materials Handling; A; MP (joined at this meeting)
Bruce Darden; Rigging Innovators, Inc.; P; CP
Kimberly Corbett; Schuler Shook; P; G
Dan Culhane; SECOA; P; CP
Knut Skjonberg; Skjonberg Controls, Inc.; P; CP
Monica Skjonberg; Skjonberg Controls, Inc.; A; 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
Stephen G. Surratt; Texas Scenic Company; P; DR
Eugene Leitermann; Theatre Projects Consultants, Inc.; P; G
Jerry Gorrell; Theatre Safety Programs; P; G
Jeff Wilkowski; Thern, Inc.; P; MP
Theresa Kelley; Total Structures Inc.; A; MP (joined at this meeting)
Pete Happe; Walt Disney Imagineering (Walt Disney Company); P; U

Visitors: Phillip M. Gallo; TMB
Wendy Holt; AMPTP

1 Opening remarks

Bill Sapsis called the meeting to order at 19:00.

Chris Kaiser circulated a large get well card for Harvey Sweet, who was not able to attend the meeting.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves.

2.2 Circulation of attendance sign-in sheet

A blue attendance sign-in sheet was circulated.

2.3 Call for quorum

Bill Sapsis asked for a show of hands of voters. He counted more than 28, and announced that we have a quorum.

2.4 Requirements for membership

Sapsis reminded the assembly that membership is open to all who are affected by the work of the group. People who would be in the dealer/rental company or user interest groups are particularly encouraged to join. However, voting members are required to attend meetings. Any principal member and voting alternate who both miss three consecutive meetings will have their membership status changed to observer. This action will be taken as the last item of business at each meeting and recorded in the minutes of that meeting.

3 Processing of new membership requests

The following applications had been received:

R. Duane Wilson; George C. Izenour Associates, representing ASTC; A; G
Theresa Kelley; Total Structures, Inc.; A; MP
Steven D. Graham; R&M Materials Handling; P; MP
Joe Ingle; R&M Materials Handling; A; MP
Roger Lattin; IATSE Local 728; P; U
Ted Paget; Vortek Rigging Division (Daktronics); A; CP

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

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

Name	Company	Representing (This is the sort field.)	Voting status	Interest category
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
James Niesel	ARUP	ARUP	P	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	A	CP

Name	Company	Representing (This is the sort field.)	Voting status	Interest category
Robert Voss	Vortek	Daktronics Inc.	A	CP
Jake Winkelman	Vortek	Daktronics Inc.	A	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Roger Lattin	IATSE Local 728	IATSE Local 728	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Ron Bonner	PLASA	PLASA	P	G
Steven D. Graham	R&M Materials Handling	R&M Materials Handling	P	MP
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP

Name	Company	Representing (This is the sort field.)	Voting status	Interest category
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
		Total votes possible	44	
		Votes by interest category	9	MP
			8	CP
			9	DR
			9	U
			9	G

4 Approval of minutes from the previous meeting

See Rig/2007-2017, file name RIGmin11-2007.pdf

Some editorial corrections were made, creating a Rig/2007-2017r1 version of the minutes. Dan Culhane moved the that corrected minutes be accepted. The motion was seconded and then approved with a show of hands

5 ESTA declarations

5.1 Anti-trust statement

Bill Sapsis read a Latin translation of the following statement aloud to the assembly.

"The ESTA Board of Directors, the Technical Standards Committee, 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 ESTA president immediately.

"ESTA 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."

Karl Ruling held up a copy of the easy-to-read pamphlet to show that it was available.

The accuracy of the translation was briefly discussed. No restraint of trade issues were brought to the attention of the assembly.

5.2 Call for patents

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

"ESTA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent and copyright disclosures to implement its intent. ESTA 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 brought to the attention of the assembly.

6 Approval of the agenda

Brad Dittmer moved that the agenda be accepted. The motion was seconded and then approved with a show of hands.

7 Old business

7.1 ANSI E1.1-2006, wire rope ladders revision

No news. No action needed.

7.2 ANSI E1.2-2006, aluminum towers and trusses revision

No news. No action needed.

7.3 BSR E1.4, manual rigging systems

Ruling reported that he TSC had approved the public review motion, and the document is now in public review through March 17.

7.4 BSR E1.6-1, powered winch hoist systems

Public review comment resolution progress report.

Chris Kaiser reported that the task group has been looking at the CWA 25 draft. They believe that some of the document is superior to our document, and are now using the CWA document as a model. Kaiser asked for some help in getting access to the referenced European standards.

7.5 BSR E1.6-2, electric chain hoists

7.5.1 Public review comment resolutions

See the draft "Summary of Third Public Review Comment Resolutions," document number Rig/2008-2000, file name E1-6-2ThrdRevwResolsDRAFT.pdf

Dan Culhane moved that the comment resolutions be accepted. The motion was seconded. By a show of hands, the vote was 32 yes and two abstentions. The motion carried with a supermajority.

7.5.2 Revised BSR E1.6-2

See document number Rig/2005-2040r3, file name E1-6-2ChainHoistsR3.pdf

Dan Culhane moved that the revised document be offered for public review. The motion was seconded. The motion was approved by a supermajority on a roll call ballot, with 33 voting yes and one abstention.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U	Y			
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U				
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U	Y			
Jon Lenard	Applied Electronics	Applied Electronics	P	MP				
James Niesel	ARUP	ARUP	P	G	Y			
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	Y			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	Y			
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP				
Pat Grenfell	Vortek	Daktronics Inc.	P	CP	Y			
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	A	CP				
Robert Voss	Vortek	Daktronics Inc.	A	CP				
Jake Winkelman	Vortek	Daktronics Inc.	A	CP				
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	Y			

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP				
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR	Y			
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR				
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP	Y			
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP				
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	Y			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	Y			
Roger Lattin	IATSE Local 728	IATSE Local 728	P	U				Y
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G	Y			
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP	Y			
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP				
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP				
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP	Y			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR				
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	Y			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR				
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP				
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP	Y			
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	Y			
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR				
Ron Bonner	PLASA	PLASA	P	G	Y			
Steven D. Graham	R&M Material Handling	R&M Material Handling	P	MP	Y			
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP	Y			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	Y			
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G				
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G	Y			
Joshua Grossman	Schuler Shook	Schuler Shook	A	G				
Dan Culhane	SECOA	SECOA	P	CP	Y			
Jerald Kraft	SECOA	SECOA	A	CP				
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP	Y			
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP				
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR				
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G	Y			
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	Y			
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G				
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR	Y			
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR				
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR	Y			
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G	Y			
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	Y			
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP				
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	Y			
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP				
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP	Y			
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP				
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP				
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U	Y			
Total votes					33	0	0	1

Votes by interest category	Total votes possible	Yes	Yes with comments	No with reasons	Abstain	Not present
MP	9	6	0	0	0	3
CP	8	7	0	0	0	1
DR	9	5	0	0	0	4
U	9	7	0	0	1	1
G	9	8	0	0	0	1
Total	44	33	0	0	1	10

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

Charlie Weiner said that the task group is making progress. They too looked at the CWA 25 document, and found some of it helpful and some of it not helpful. He predicted that the task group would have a document ready to consider for public review in another couple of meetings.

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

Peter Herrmann reported that the task group is making progress.

7.8 ANSI E1.8-2005, speaker enclosures for rigging standard

No news. No action.

7.9 ANSI E1.15-2006, boom & base assemblies

No news. No action.

7.10 ANSI E1.21-2006, portable roof systems

Richard Nix announced that his company is publishing an article about working with the seismic requirements in the IBC and relating it to E1.21. Jerry Gorrell said that he is going to the next ICC meeting.

7.11 BSR E1.22, fire safety curtain systems public review comment resolutions

Karl Ruling reported that the TSC has approved the public review, and that the document is in public review through March 17. We discussed the advisability of having a task group meeting in NY in July.

8 New business

There was a discussion of the new schedule.

9 Other business and announcements

Jerry Gorrell reported that the technical committee for NFPA 80 will be meeting to review proposals. He will report back to the working group on it, since the standard now contains a chapter on fire safety curtain systems.

10 Schedule for future meetings

It was announced that the next working group meeting is scheduled for Wednesday, 19 March 2008, from 19:00 to 23:00, at the Hilton Americas in Houston, Texas.

11 Changes of membership status resulting from lack of attendance.

The following voters and their alternates have missed the last two consecutive meetings, and will have missed three if they miss this one:

No one

12 Adjournment

Eddie Kramer moved that the meeting adjourn. The motion was seconded. Hearing no objection, Bill Sapsis declared the meeting adjourned at 20:45.

Working Group Membership and Contact Information as of 15 February 2008

Name	Company	Representing	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	O	U
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
James Niesel	ARUP	ARUP	P	G
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Charles E. Gorgen	Charles E. Gorgen	Charles E. Gorgen	O	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Mylan Lester	Creation Logics Ltd.	Creation Logics Ltd.	O	U
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	O	G
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	A	CP
Jake Winkelman	Vortek	Daktronics Inc.	A	CP
Robert Voss	Vortek	Daktronics Inc.	A	CP
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	G
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	O	G
Cristina Delboni	Feeling Structures	Feeling Structures	O	MP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Timothy Mills	Geiger Engineers	Geiger Engineers	O	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
G. Anthony Phillips	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	U
Gregory C. Collis	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	G
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Michael Dileso	IATSE Local 481	IATSE Local 481	O	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP

Name	Company	Representing	Voting status	Int. cat.
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	MP
John Kaes	John Kaes	John Kaes	O	U
John R. Burgess	John R. Burgess	John R. Burgess	O	U
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Michael L. Savage, Sr.	Middle Dept. Inspection Agency, Inc.	Middle Dept. Inspection Agency, Inc.	O	G
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Todd Petersen	Mixed Productions	Mixed Productions	O	U
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	DR
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
François Deffarges	Nexo	Nexo	O	MP
Tracy Nunnally	Northern Illinois University	Northern Illinois University	O	U
Ted Hickey	OAP Audio Products	OAP Audio Products	O	MP
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	O	DR
Joseph Rapiere	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	CP
Ron Bonner	PLASA	PLASA	P	G
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	O	CP
Marc Hendriks	Prolyte	Prolyte	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Steven Graham	R&M Materials Handling	R&M Materials Handling	P	MP
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	U
Rinus Bakker	Rhino Rigs B.V.	Rhino Rigs B.V.	O	G
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Rikki Newman	Rikki Newman	Rikki Newman	O	U
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Thomas M. Granucci	Associated Students, Cox Arena	San Diego State University	O	U
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Rob Stevenson	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Shaun Millington	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G

Name	Company	Representing	Voting status	Int. cat.
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Reuben Goldberg	Technic Services	Technic Services	O	U
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
Mark Newlin	Texas Scenic Company	Texas Scenic Company	O	DR
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	DR
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Ed Nicholas	Theatrical Lighting Systems, Inc.	Theatrical Lighting Systems, Inc.	O	DR
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	DR
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Tim Franklin	Theta-Consulting	Theta-Consulting	O	G
Chris Higgs	Total Solutions Group	Total Solutions Group	O	G
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	O	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP
JoAnna Kamorin-Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
Michael Keppler	Bogen	Vitec Group	O	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
John James	Tomcat USA, Inc.	Vitec Group plc	O	MP
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	O	MP
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Hank Miller	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
Rand Goddard	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U
Robert Dean	ZFX Inc.	ZFX Inc.	O	CP

Key to codes:

P	principal voting member	MP	mass-market producer interest category	G	general-interest interest category
A	alternate voting member	CP	custom-market producer interest category		
I	individual voting member	DR	dealer or rental company interest category		
O	observer, non-voting	U	user interest category		