

Minutes
RIGGING WORKING GROUP
Friday, 19 January 2007
Dallas/Ft. Worth Airport Marriott South
Ft. Worth, TX

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

Recording secretary: Karl G. Ruling; ESTA

Members attending:

William Conner; Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants; P; U
Eugene Leitermann; Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants; A; G
William Bradburn; Clowes Memorial Hall (Butler University); P; U
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
M. Brad Dittmer; Downhome Productions; P; U
Noga Eilon-Bahar; Eilon Engineering Industrial Weighing Systems; P; MP
John Ringelman; Stage Rigging, Inc. (the 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
Kent H. Jorgensen; IATSE Local 80; P; G
Rodney F. Kaiser; J.R. Clancy Inc.; P; CP
Mike Garl; James Thomas Engineering, Inc.; P; MP
Tray Allen; James Thomas Engineering, Inc.; A; MP
Harvey Sweet; LA ProPoint, Inc.; P; DR
William Beautyman; Limelight Productions, Inc.; P; DR
Louis Bradfield; O; U
Vincent J. Cannavale; Motion Laboratories; P; CP
Peter Herrmann; Motion Laboratories; A; CP
Shawn Sack; Mountain Productions Inc.; P; DR
Tim Hansen; Oasis Stage Werks; P; DR
Ron Bonner; PLASA; P; G
Bruce Darden; Rigging Innovators, Inc.; P; CP
Kimberly Corbett; Schuler Shook; P; G
Dan Culhane; SECOA; P; CP
Olan Cottrill; Staging Productions, Inc. ; P; DR
Steve Walker; 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.; P; DR
Mark Newlin; Texas Scenic Company; O; CP
James Niesel; Theatre Projects Consultants, Inc.; P; G
Jerry Gorrell; Theatre Safety Programs; P; G
Jeff Wilkowski; Thern, Inc.; P; MP
Adrian Forbes-Black; Total Structures Inc.; P; MP
Pete Happe; Walt Disney Imagineering (the Walt Disney Company); P; U

Visitors: Roger Lattin; IATSE Local 728
 Art Zobal; Columbus McKinnon Corp.
 James J. Smith; National Production Services

1 Opening remarks

Bill Sapsis called the meeting to order at 19:03. He thanked everyone for their hard work on the standards. He said that at the TSC meeting earlier in the day he found himself having to speak on behalf of the members of this group for their efforts and integrity, and he could do this unconditionally, without any doubts.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves to the other members of the assembly.

2.2 Circulation of attendance sign-in sheet

As the self-introductions were being done, a blue attendance sign-in sheet was circulated.

2.3 Call for quorum (34 voting members: 12 needed for a quorum, 18 to pass a supermajority vote)

Bill Sapsis asked for a show of hands of voting members. He counted the raised hands, and then announced that a quorum was present and business could be conducted.

2.4 Requirements for membership

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

"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 had applied for membership:

Name	Company	Representing	Voting status	Int. cat.
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
Eugene Leitermann	Theatre Projects Consultants	ASTC	A	G
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Noga Eilon-Bahar	Eilon Industrial Weighing Systems	Eilon Industrial Weighing Systems	P	MP
Rocky Paulson	Stage Rigging	Freeman Companies	P	DR
John Ringelman	Stage Rigging	Freeman Companies	A	DR
Dana Bartholomew	Fisher Technical Services, Inc.	FTSI	A	CP
Travis Palmer	H&H Specialties Inc.	H&H Specialties Inc.	A	MP
Peter V. Svitavsky	J.R. Clancy Co	J.R. Clancy Co	A	MP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions	Mountain Productions	P	DR
Bruce W. Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Chris Higgs	Total Solutions Group	Total Solutions Group	O	G
Keith Bohn	Tomcat USA	Vitec Group plc	P	MP

Eddie Kramer moved that the applications be accept as requested, except for the application of Jon Lenard, who shall be accepted as an observer. (Lenard was not present.) The motion was seconded. The motion was approved with a show of hands.

In addition, Karl Ruling noted that there had been ownership changes for several companies, and the memberships of the voting members working for these companies need to be reaffirmed, if the working group so chooses:

Pat Grenfell; Vortek (previously known as Hoffend), now owned by Daktronics Inc.; P; CP
 Peter Hoffend; Vortek (previously known as Hoffend), now owned by Daktronics Inc.; A; CP
 Mitch Clark; Tomcat USA, Inc., now owned by the Vitec Group plc; A; MP
 John James; Tomcat USA, Inc., now owned by the Vitec Group plc; A; MP

The Vitec Group plc also owns Bogen, so observer Michael Keppler, if he were a voter, would also represent the Vitec Group plc. The Vitec Group owns the Italian trussing manufacturer LITEC Srl, but that company has no representatives on the Rigging Working Group at this time.

Eddie Kramer moved that we confirm the memberships of Pat Grenfell, Peter Hoffend, Mitch Clark, and John James with the new ownerships noted. The motion was seconded, and then approved with a show of hands.

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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A	G
William Bradburn	Clowes Memorial Hall	Butler University	P	U
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
Peter Hoffend	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
Travis Palmer	H & H Specialties Inc.	H & H Specialties Inc.	A	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Peter V. Svitavsky	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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	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
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
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
James Niesel	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
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	A	MP
John James	Tomcat USA, Inc.	Vitec Group plc	A	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
		Total votes	39	
		Votes by interest category	7	CP
			8	MP
			8	DR
			8	U
			8	G

4 Approval of minutes from the previous meeting

Dan Culhane moved that the amended minutes for the 18 October 2006 meeting (Rig/2006-2045r1) be accepted as written. The motion was seconded and then approved with a show of hands.

5 ESTA declarations

5.1 Anti-trust statement

Bill Sapsis read the following 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, the Technical Standards Manager, held up some of the easy-to-read pamphlets to show their availability. No restraint of trade issues were reported.

5.2 Call for patents

The following was read aloud to the assembly 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 issues were brought to the attention of the assembly.

6 Approval of the agenda

Eddie Kramer 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

It's published. There was no news.

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

It's published. There was no news.

7.3 BSR E1.4, manual rigging systems

Karl Ruling reported on the TSC's vote to accept BSR E1.4 as an American National Standard. On a roll call vote the motion failed to win the required supermajority. Jim L. Read Jr. had written a letter on behalf of the American Society of Theatre Consultants to every member of the TSC arguing against accepting BSR E1.4 as an American National Standard, questioning some of the comment resolutions and the working group's meeting procedures, and citing several letters from ASTC members objecting to requirements or passages of the proposed standard. [The Read letter and its appendices are appended as part of these minutes.]

The TSC voted to direct the Rigging Working Group to address the concerns of the Jim L. Read letter, and to offer the draft E1.4 document for another public review, if substantive changes are made.

Bill Sapsis suggested that the a new task group needs to be formed to address the concerns in the Read letter. There was discussion. The consensus of the group was that it didn't want to lose the collective wisdom of the task group. The task group knows the thinking behind each of the comment resolutions that the Read letter questions.

The task group (with many of the original members) to address the Read letter was appointed by Bill Sapsis as:

Jim Niesel, Peter Scheu, Richard Nix (task group leader), Pete Happe, Reid Neslage, Dan Culhane, Rod Kaiser, Ted Jones, Bill Beautyman, Bill Conner, Gene Leitermann, Bill Bradburn, and Steve Walker.

Tim Hansen moved that the task group as appointed by Bill Sapsis be approved. The motion was seconded and then approved.

There was some discussion of having Kimberly Corbett also serve on the task group, but no clear decision was made at this meeting.

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

Harvey Sweet reported that the document had received 148 comments. He also gave a breakdown of the interest categories in the task group that is drafting some proposed resolutions to offer the working group. He said that progress in drafting proposed resolutions had been both helped and hindered by the new members of the task group. They bring fresh insight, but the task group is now so large that it is difficult to manage. Sweet said that the task group plans to have a marathon meeting at the USITT Conference in March.

Sweet asked to have the following people added to the task group:

Bruce Darden, Dana Bartholomew, Bill Bradburn, Pat Grenfell, and Bill Conner.

Hearing no objections from the working group, Bill Sapsis appointed them to the E1.6-1 task group.

7.5 BSR E1.6-2, electric chain hoists

Ruling reported that the draft document is in public review until the end of the day, GMT, 19 February 2007. Dan Culhane said the E1.6-2 task group was also planning to meet on at the USITT Conference in Phoenix.

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

Charlie Weiner reported on the two task group meetings held so far. He said he needs to sort out who is officially on the task group already or who wants to be on the task group. The task group has developed an outline for the document and a class-of-use framework.

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

It's published. There was no news.

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

It's published. There was no news.

7.9 ANSI E1.21-2006, portable roof systems

It's published. There was no news.

7.10 BSR E1.22, fire safety curtain systems, resolution and public review recirculation vote
Ruling reported that the TSC had approved the public review, so the document is in public review through the end of the day on 12 March 2007.

8 New business

Eddie Kramer reported that NY State is enforcing the law that trapezes more than 20' above the floor need to be inspected.

Bill Sapsis reported there is a 25 dollar fine attached to being convicted of performing above the second floor on the outside of a building.

Bill Conner reported that NFPA 80 is out and suggested that it is important to make E1.22 different from NFPA 80 by covering non-fabric fire curtains so that there are not two different American National Standards that cover the same things.

9 Other business

None.

10 Schedule for future meetings

It was announced that the next working group meeting is scheduled for Wednesday, 14 March 2007, 19:00 to 23:00, at the Hyatt Regency Phoenix in Phoenix, AZ.

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 consecutive meetings if they miss this one:

William Beautyman and Bob Medve of Limelight Productions, Inc.
Olan Cottrill of Staging Productions, Inc.

Both were present, so there was no change in status.

12 Adjournment

Kent Jorgensen moved that the meeting adjourn. The motion was seconded and then approved by acclamation. Bill Sapsis declared the meeting adjourned at 20:18.

Rigging Working Group Membership and Contact Information as of 15 February 2007

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
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
Eugene Leiternann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A	G
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
Jon Lenard	Applied Electronics	Applied Electronics	O	MP
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	O	MP
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
Eric Todd	BML Inc.	BML Inc.	O	MP
Paul Tardue	BML Inc.	BML Inc.	O	MP
William Bradburn	Clowes Memorial Hall	Butler University	P	U
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
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Steve Gonnella	City of Phoenix, Theater Division	City of Phoenix	O	U
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
Peter Hoffend	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
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Kevin Denis	Gravitec Systems, Inc.	Gravitec Systems, Inc.	O	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Travis Palmer	H & H Specialties Inc.	H & H Specialties Inc.	A	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
Michael Di Ieso	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
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	A	CP

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
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
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP
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
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	O	CP
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	CP
Ron Bonner	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	MP
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
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
Heinz Siller	RST Prsentations-systeme	RST Prsentations-systeme	O	G
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
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Jerrold S. Tiers	St. Louis Music Inc.	St. Louis Music Inc.	O	MP
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
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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Reuben Goldberg	Technic Services	Technic Services	O	U
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	CP
Mark Newlin	Texas Scenic Company	Texas Scenic Company	O	CP
Alan Broadhurst	The Broadhurst Partnership	The Broadhurst Partnership	O	P
James Niesel	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
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Hind	Anthony Ward Partnership Ltd.	Total Structures, Inc.	O	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
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	A	MP
John James	Tomcat USA, Inc.	Vitec Group plc	A	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
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	O	G
Ray Robins	XS Lighting, Inc.	XS Lighting, Inc.	O	CP
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