

Minutes
RIGGING WORKING GROUP
Wednesday, 17 March 2004
Westin Long Beach
Long Beach, California

Chairman: Mike Garl; James Thomas Engineering, Inc.; P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Bill Conner; Schuler & Shook, representing ASTC
Kirk Hilva; ATM Group, Inc.; A; MP (joined at this meeting)
Ted Jones; Chicago Spotlight, Inc.; O; U
Don Dimitroff; Columbus McKinnon Corp.; P; MP
F. Robert Bauer; F.R. Bauer & Associates, LLC; P; G
Timothy Mills; Geiger Engineers; A; G (joined at this meeting)
Reid Neslage; H & H Specialties Inc.; P; MP
Jeffrey Hoffend; Hoffend & Sons, Inc.; P; CP
Edwin S. Kramer; I.A.T.S.E, Local 1; P; U
Michael Keppler; Bogen (IFF); P; MP
Rodney F. Kaiser; J.R. Clancy Inc.; P; CP
Tray Allen; James Thomas Engineering, Inc.; A; MP
John R. Burgess; O; U
William Beautyman; Limelight Productions, Inc.; P; DR
Harvey Sweet; LVH Entertainment Systems (LVH Electric, Inc.); P; DR
Michael J. Carnaby; Mikan Theatricals; P; DR
Richard J. Nix; Performance Systems Integration; P; G
Ron Bonner; PLASA; P; G
Michael Patterson; Pook Diemont & Ohl, Inc.; P; CP (joined at this meeting)
Bill Sapsis; Sapsis Rigging, Inc.; P; U
Peter A. Scheu; Scheu Consulting Services; P; G
Dan Culhane; SECOA; P; CP
Jon Lagerquist; South Coast Repertory; O; U
Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates); O;
G
Larry Lutz; Texas Scenic Company; P; CP
John C. Snook; Thermotex Industries Inc.; P; CP
Jeff Wilkowski; Thern, Inc.; P; MP
Thomas Stepka Deinema; I; G (joined at this meeting)
Keith Bohn; Tomcat USA, Inc.; P; MP
Peter Hind; Total Structures, Inc.; P; MP
Hans van der Moolen; Stagemaker Division Europe (Verlinde Spa. France); P;
MP

Visitors: None

1 Opening remarks

Mike Garl called the meeting to order at 19:04. He thanked people for coming.

2 Attendance and membership

2.1 Introduction of those present

Garl asked those present to introduce themselves, which they did.

2.2 Circulation of attendance sign-in sheet

A blue sign-in sheet was circulated and those present were instructed to sign in.

2.3 Call for quorum

Mike Garl announced that a quorum was present.

2.4 Requirements for membership

The following was read aloud to the assembly by Mike Garl:

Membership is open to all who are affected by the work of the group. 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. Principal members are required to vote on letter ballots.

3 Processing of new membership requests

The following people had submitted working group membership applications:

Michael Patterson; PDO Inc.; principal; custom-market producer

Thomas Deinema; individual; general interest

Kirk Hilva; ATM group; alternate; mass-market producer

Timothy Mills; Geiger Engineering; alternate; general interest

Michael Patterson previously had been a member representing Theatre Projects Consultants.

Harvey Sweet moved that the applications be accepted. The motion was seconded. The motion was approved by a unanimous show of hands, with no abstentions.

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

Name	Company	Representing	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	P	G
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	MP
Kirk Hilva	ATM Group, Inc.	ATM Group, Inc.	A	MP
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G
Timothy Mills	Geiger Engineers	Geiger Engineers	A	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
Damon Atwood	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
Edwin S. Kramer	I.A.T.S.E, Local 1	I.A.T.S.E. Local 1	P	U
Michael Keppler	Bogen	IFF	P	MP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Jack Suesse	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
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	DR
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR

Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G
Ron Bonner	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	CP
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
Tim Franklin	Theta-Consulting	Theta-Consulting	P	G
Thomas Stepka Deinema	Thomas Stepka Deinema	Thomas Stepka Deinema	I	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Brian Dowd	TMB (NJ)	TMB	P	CP
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	MP
Hans van der Moolen	Stagemaker Division Europe	Verlinde Spa. France	P	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G
		total votes	37	
		custom-market producers	7	CP
		mass-market producers	9	MP
		dealer or rental companies	4	DR
		general interest	11	G
		users	6	U

4 Approval of minutes from the previous meeting

Harvey Sweet moved that the minutes be accepted as written. The motion was seconded.

There was discussion, opened by Dan Culhane, about the comment that Andrew Martin had made at the last meeting that substantive changes were being made to BSR E1.8. How would this fit with a motion that might be made at this meeting to accept BSR E1.8, since this cannot be done at this time if any substantive changes were made. Ruling explained that Martin made that comment before he had completed the draft comment resolution and draft revised standard. His statement then was a prediction of what would be done after the meeting, and was not a statement of what was fact at that time.

The draft minutes were accepted by a unanimous by show of hands.

5 ESTA declarations to be read aloud by the chairman

5.1 Anti-trust statement

Mike Garl read 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 \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

No restraint of trade or anti-trust issues were brought to the attention of the assembly.

5.2 Call for patents

Mike Garl read the following statement aloud to the assembly:

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

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

No protected intellectual property issues were brought to the attention of the assembly.

6 Approval of agenda

Richard Nix moved that the agenda be approved as written. The motion was seconded. The motion was approved by a unanimous show of hands.

7 Old business

7.1 E1.1 reaffirmation vote and public review

Karl Ruling reminded people of that the document is both in public review and up for a working group vote by letter ballot for reaffirmation. The deadline for both is the same: April 27.

7.2 E1.2 – Aluminum trusses and towers revision public review

Ruling reported that the latest version is in public review until April 27.

7.3 E1.4 – Manual rigging systems comment resolutions

Rodney Kaiser moved that the draft comment resolutions (Rig/2004-2005) be accepted. The motion was seconded. There was discussion. Tim Hansen was not at the meeting, but had left a note, which was read aloud, that comment 135 has no resolution. Richard Nix said that the comment had been accepted. The motion was changed to accept the draft resolutions with the resolution of "accept" for comment 135. [The revised document is number Rig/2004-2005r1.] The motion was accepted unanimously by a show of hands.

Dan Culhane moved that the revised standard document (Rig/1997-2002r9) be sent to public review. The motion was seconded. The motion was accepted by a roll call ballot.

Name	Company	Representing	Voting status	Int. cat.	Yes	No	Abstain
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	P	G			
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U			
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U	X		
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	MP			
Kirk Hilva	ATM Group, Inc.	ATM Group, Inc.	A	MP	X		
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	X		
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP			

M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U			
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G	X		
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G			
Timothy Mills	Geiger Engineers	Geiger Engineers	A	G	X		
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	X		
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP	X		
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP			
Damon Atwood	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP			
Edwin S. Kramer	I.A.T.S.E, Local 1	I.A.T.S.E. Local 1	P	U	X		
Michael Keppler	Bogen	IFF	P	MP	X		
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP	X		
Jack Suesse	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	X		
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR			
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	DR			
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	X		
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR			
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G	X		
Ron Bonner	PLASA	PLASA	P	G	X		
Tony Douglas- Beveridge	PLASA	PLASA	A	G			
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	P	CP	X		
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	X		
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	X		
Dan Culhane	SECOA	SECOA	P	CP	X		
Jerald Kraft	SECOA	SECOA	A	CP			
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	CP	X		
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G			
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP	X		
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	X		
Tim Franklin	Theta-Consulting	Theta-Consulting	P	G			
Thomas Stepka Deinema	Thomas Stepka Deinema	Thomas Stepka Deinema	I	G	X		
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G			
Brian Dowd	TMB (NJ)	TMB	P	CP			
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP	X		
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP			
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP			
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	MP	X		
Hans van der Moolen	Stagemaker Division Europe	Verlinde Spa. France	P	MP	X		
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U			
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G			
		total votes	37		25	0	0
	by interest category	custom-market producers	7	CP	6		
		mass-market producers	9	MP	9		
		dealer or rental companies	4	DR	1		
		general interest	11	G	6		
		users	6	U	3		

Harvey Sweet was no longer present and cast no vote.

7.4 E1.6 – Powered rigging systems comment resolutions

Tom Young said that the task group has resolved all the comments to the satisfaction of the task group. There is some rewording to do, but documents for a vote will be ready well before the July meeting.

Karl Ruling announced to the working group that he will be out of the office on vacation from June 19 through July 4. The two-week deadline for document distribution for the next meeting will be July 2, which is while he is out of the office. Therefore, it would be good for working group members to plan to have documents to him by June 15 at the latest, or to plan to do the document distribution themselves if they need the extra time. Contact information for all the working group members is published in a table at the end of the minutes for each meeting.

7.5 E1.8 - Speaker enclosures rigging standard comment resolutions

Kirk Hilva read a statement from Andrew Martin that the document had not been altered substantively, and urged that the document be accepted as an American National Standard.

Kirk Hilva moved that the comment resolution document (Rig/2004-2003) be accepted. The motion was seconded. There was discussion of the change from the reference to EIA IS-33 to CEA-636, and Culhane noted that the change stated that would be made in the draft resolution to comment 6 had not been carried out in the draft standard (Rig/1997-2021r10) in clause 5.1.1. Ruling also noted that the resolution to comment 6 is not quite right because it doesn't address the implied objections. Also, changing the reference to CEA-636 may add or subtract requirements, so it might be a substantive change.

Dan Culhane moved that we table the motion to accept the comment resolutions until we get confirmation from Andrew Martin if there are any substantive changes in the requirements between EIA IS-33 and CEA-636. The motion to table the question was seconded. The motion was approved by a unanimous show of hands.

7.6 E1.15 – Boom & base standard public review

Karl Ruling announced that it is in public review until the end of the working day in New York City, 27 April.

7.7 E1.21 – Stage roofs standard public review

Karl Ruling announced that it is in public review until the end of the working day in New York City, 27 April.

7.8 E1.22 – Fire safety curtain systems comment resolutions

Bill Conner reported that the task group is still working on drafting comment resolutions. The comments have lead to a massive reorganization of document, so there is much work to be done. Conner said that the project is difficult because there is little technical data for guidance and no consensus on how a fire safety curtain is supposed to work to protect against fires.

8 New business

None.

9 Other business

None.

10 Schedule for future meetings

Mike Garl announced that the next meeting would be at the Dallas/Ft. Worth Airport Marriott in Ft. Worth, on the evening of Friday, July 16. The following meeting will be in Las Vegas on Wednesday, October 20. The location will be announced.

11 Changes of membership status resulting from lack of attendance.

Principals (and alternates) who have missed the previous two meetings:

Edwin S. Kramer; IATSE Local 1

Hans van der Moolen; Verlinde, Stagemaker division

Garl noted that both were at this meeting, so their voting status would be maintained.

12 Adjournment

Bill Sapsis moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous voice vote. Mike Garl declared the meeting adjourned at 20:16

Rigging Working Group Membership and Contact Information as of 12 April 2004

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	P	G
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	MP
Kirk Hilva	ATM Group, Inc.	ATM Group, Inc.	A	MP
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Eric Todd	BML Inc.	BML Inc.	O	MP
Paul Tardue	BML Inc.	BML Inc.	O	MP
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Charles E. Gorgen	Charles E. Gorgen	Charles E. Gorgen	O	G
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Mylan Lester	Creation Logics Ltd.	Creation Logics Ltd.	O	U
Ron Fogel	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Jason Friedman	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Benjamin Cohen	DePaul University	DePaul University	O	U
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 - Springfield, MO	Downhome Productions	P	U
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G
Thomas Reaoch	RC Consultoria e Representação Ltda.	Feeling Structures	O	MP
Hamilton Nunes Callegari	Feeling Structures	Feeling Structures	O	MP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	O	DR
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G
Timothy Mills	Geiger Engineers	Geiger Engineers	A	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
Damon Atwood	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
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
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Michael Keppler	Bogen	IFF	P	MP
Perry Langenstein	International Theatre Consultants	International Theatre Consultants	O	G
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Jack Suesse	J.R. Clancy, Inc. (NC)	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
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
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	DR
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
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	O	G
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
David Gisbourne	Newtex Industries, Inc.	Newtex Industries, Inc.	O	CP
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	U
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
Patrick Stansfield	Patrick Stansfield Assoc., Inc.	Patrick Stansfield Assoc., Inc.	O	U
John Jones	PCM/Pfaff Silberblau Ltd.	PCM/Pfaff Silberblau Ltd.	O	DR
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G
Ron Bonner	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	MP
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	P	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
Rikki Newman	Rikki Newman	Rikki Newman	O	U
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Roo Dunn	Pennsylvania Convention Center	Roo Dunn	O	U
Heinz Siller	RST Präsentations-systeme	RST Präsentationssysteme	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
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
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Shawn Nolan	Entertainment Structures Group	Steven Schafer Associates	O	G
Reuben Goldberg	Technic Services	Technic Services	O	U
Deborah Sperry	Tent Tec	Tent Tec & Sperry Events, Inc.	R	MP
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	CP
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	CP
Alan Broadhurst	The Broadhurst Partnership	The Broadhurst Partnership	O	P
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	P	G
Thomas Paterson	Thomas Paterson	Thomas Paterson	O	G
Thomas Stepka Deinema	Thomas Stepka Deinema	Thomas Stepka Deinema	I	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Brian Dowd	TMB (NJ)	TMB	P	CP
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
Peter Hind	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

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Hans van der Moolen	Stagemaker Division Europe	Verlinde Spa. France	P	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
Melvin Wierenga	Wierenga & Assoc.	Wierenga & Assoc.	O	DR
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	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
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
		G	general-interest interest category