

Minutes
RIGGING WORKING GROUP

Friday, 16 January 2004
Dallas/Ft. Worth Airport Marriott South
Ft. Worth, Texas

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

Recording secretary: Karl G. Ruling; ESTA

Members attending: William Conner; Schuler & Shook Inc., representing the Amer. Society of Theatre Consultants; P; U
Andrew T. Martin; ATM Group, Inc.; P; MP
M. Brad Dittmer; Downhome Productions; P; U
F. Robert Bauer; F.R. Bauer & Associates, LLC; P; G
Reid Neslage; H & H Specialties Inc.; P; MP
Jeffrey Hoffend; Hoffend & Sons, Inc.; P; CP
Damon Atwood; Hoffend & Sons, Inc.; A; CP (joined at this meeting)
Rodney F. Kaiser; J.R. Clancy Inc.; P; CP
Thomas S. Young; J.R. Clancy Inc.; A; CP
Harvey Sweet; LVH Entertainment Systems (LVH Electric, Inc.); P; DR
Michael J. Carnaby; Mikan Theatricals; P; DR (joined at this meeting)
Kent H. Jorgensen; MPS Grips, Local 80; O; G
Tim Hansen; Oasis Stage Werks; P; DR
Richard J. Nix; Performance Systems Integration; P; G
Ron Bonner; PLASA; P; G
Bill Sapsis; Sapsis Rigging, Inc.; P; U
Peter A. Scheu; Scheu Consulting Services; P; G
Dan Culhane; SECOA; P; CP
Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates); O; G
G
Jerry Gorrell; Theatre Safety Programs; P; G
Jeff Wilkowski; Thern, Inc.; P; MP
Richard D. Thompson; Thompson Associates; P; G
Keith Bohn; Tomcat USA, Inc.; P; MP
Pete Happe; Walt Disney Imagineering (Walt Disney Company); P; U
Robin Crews; Wrightson, Johnson, Haddon & Williams, Inc.; P; G

Key to codes: P principal voting member
A alternate voting member
I individual voting member
O observer, non-voting

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

Visitors: Steve Walker; Walker Associates
Pete Rogers; Silver State Wire Rope and Rigging

1 Opening remarks

The meeting was called to order by Mike Garl at 19:07. He welcomed all the relatively warm weather of Texas.

2 Attendance and membership

2.1 Introduction of those present

Mike Garl instructed those present to sign-in, using the multi-colored attendance sign-in sheet. While that was circulated, the people present introduced themselves.

2.2 Call for quorum

Mike Garl noted that a quorum was present and the group could conduct business.

2.3 Introduction and confirmation of co-chairman

Mike Garl introduced Bill Sapsis, who had been appointed by the TSC as co-chair of this working group, subject to confirmation by the working group. Garl explained how he and Sapsis intended to work together. They would not jointly preside over meetings, but would alternate, based on availability and convenience. That is, Sapsis would be available to conduct a meeting when Garl could not attend, and vice versa.

Dan Culhane moved that Bill Sapsis be accepted as co-chairman of the working group. The motion was seconded. The motion was approved with a unanimous show of hands.

2.4 Requirements for membership

The following was read aloud 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."

Mike Garl also noted that letter ballots must be returned. Fail to vote on three consecutive letter ballots, you become an observer.

3 Processing of new membership requests

Mike Garl read aloud the new membership applications. The following had applied for membership:

Michael J. Carnaby of Mikan Theatrical as a principal in the dealer/rental company interest category

Damon Atwood of Hoffend & Sons as an alternate in the custom-market producer interest category

Francois Defarges of Nexo as an observer in the mass-market producer interest category

Benjamin Cohen of DePaul University as an observer in the user interest category

Richard Nix moved that the applications be accepted. The motion was seconded. The motion was approved by a unanimous show of hands.

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

Name	Company	Representing (This is the sort field.)	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
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
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. (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
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
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
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
			9	MP
			6	CP
			10	G
			6	U
			4	DR
			35	Total

4 Approval of minutes from the previous meeting

Dan Culhane moved that the draft minutes of the November 2003 meeting be accepted as written. The motion was seconded. The motion was approved with a unanimous show of hands.

5 ESTA declarations

The following declarations (5.1 and 5.2) were read aloud to the assembly by Mike Garl

5.1 Anti-trust statement

"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."

Karl Ruling held up some of the pamphlets to show that they were available.

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

5.2 Call for patents

"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

Brad Dittmer moved that the agenda be accepted as written. The motion was seconded. The motion was approved by a unanimous show of hands.

7 Old business

7.1 E1.1 reaffirmation public review

Karl Ruling reported that E1.1 has been approved by the Technical Standards Committee for a public review of the document proposed for reaffirmation. Ruling will send a letter ballot to the working group to vote on approving the reaffirmation simultaneously with the public review.

There was a discussion of the reaffirmation/revision/withdrawal process.

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

Karl Ruling reported that the TSC had approved the motion to send the revised version of the revised ANSI E1.2 to a second public review.

7.3 E1.4 – Manual rigging systems comment resolutions

Richard Nix asked for some guidance on the relative advantages and disadvantages of referring to other standards in a standard by a specific year reference or by simply stating "the current edition."

7.4 E1.6 – Powered rigging systems comment resolutions

Tom Young reported that the task group is making good progress and that a set of proposed resolutions should be available by July or October. Ruling stated that this he needs to file an extension with ANSI to note that progress is being made on resolving the comments, but that the process is not going as fast as ANSI likes to see after a public review.

7.5 E1.7 – Recommended practice for flying performers

Mike Garl reported that Delbert Hall had resigned as head of the task group. There was a discussion of how to go forward with this document and who might be the task group leader. No one volunteered to be the task group leader.

Jerry Gorrell moved that the E1.7 project be abandoned and that Karl Ruling so inform ANSI. The motion was seconded. The question was decided by a roll call ballot:

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.	Vote
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	yes
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	MP	yes
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	yes
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G	yes
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G	
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	yes
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP	yes
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	yes
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	yes
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	yes
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	yes
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	yes
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G	yes
Ron Bonner	PLASA	PLASA	P	G	yes
Tony Douglas- Beveridge	PLASA	PLASA	A	G	
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	yes
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	yes
Dan Culhane	SECOA	SECOA	P	CP	abstain
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	yes
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP	
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	yes
Tim Franklin	Theta-Consulting	Theta-Consulting	P	G	
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G	yes
Brian Dowd	TMB (NJ)	TMB	P	CP	
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP	yes
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	yes
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G	yes

The motion to abandon the project was accepted with a supermajority of 21 of 35 voting in favor, and 1 abstention, but with none voting against the motion. Thirteen voters were not present.

The yes votes by interest category were:

- 4 of 6 users
- 5 of 9 mass-market producers
- 2 of 6 custom-market producers
- 7 of 10 general interest companies
- 3 of 4 dealer or rental companies.

The one abstention was in the custom-market producer interest category.

7.6 E1.8 – Speaker enclosures rigging standard comment resolutions

Andrew Martin reported that he had written draft comment resolutions for most of the public review comments, but he asked for guidance on the comment that accused the standard of suffering from dominance by one interest group. Karl Ruling pointed out that the rules for lack of dominance apply to the working group, not any of the working group's task groups, and that the Rigging Working Group is the most balanced of all the working groups in the Technical Standards Program. He reminded the assembly that the task groups are not consensus bodies. The working group is the consensus body for our standards.

Martin said that the completed set of suggested comment resolutions would be ready in time for the March meeting. If accepted, the document will have substantive changes and will need another public review.

7.7 E1.15 – Boom & base standard public review

Mike Garl reported that the TSC had approved the motion to send BSR E1.15 to another public review.

7.8 E1.21 – Stage roofs standard public review vote

Mike Garl reported that the TSC had approved the motion to send BSR E1.21 to public review.

7.9 E1.22 – Fire safety curtain systems comment resolutions

Bill Conner reported that the task group had written proposed resolutions for many of the comments. He noted that, as a result, there will be major changes, but the dual-track (performance and cook-book) approach will be maintained. He noted that the draft standard is heavily dependant on E1.4 and E1.6, particularly on E1.6, so he urged progress on those standards-drafting projects.

7.10 Chain motor connector report

Brian Dowd was not present. This was the second consecutive meeting with no report on work to address the issue of the safety and suitability of commonly used control cable connectors.

Mike Garl announced that this report will be dropped from the next agenda. He noted that the last report was in July. Since then we have had no report, which indicates a lack of interest. This was never voted as a formal standards-drafting project, so we don't need to vote to withdraw it.

8 New business

None.

9 Other business

Bill Sapsis asked for donations for Broadway Cares/Equity Fights Aids. He's leading a motorcycle ride across country to Long Beach for the USITT Conference in March, and is looking for sponsors whose contributions will be donated to the cause. Sapsis held up some sign-up forms.

10 Schedule for future meetings

Garl announced that the next meeting would be Wednesday, March 17, from 19:00 to 23:00 at the Westin Long Beach Hotel in Long Beach, California. The following meeting is scheduled to be on July 16, from 19:00 to 23:00, here at the Dallas/Ft. Worth Airport Marriott South. Our meeting at ETS-LDI will held on the Wednesday of the trade show week in Las Vegas.

11 Changes of membership status resulting from lack of attendance.

Principals (and alternates) who have missed the previous two meetings: NONE!

12 Adjournment

Richard Nix moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous show of hands. Mike Garl declared the meeting adjourned at 20:41. He thanked all for taking time to work on the group's projects.

Working Group Membership and Contact Information as of 2004-01-27

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
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Buddy Braille	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	Feeling Structures	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
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
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

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat
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
Peter Letzelter-Smith	Peter Letzelter-Smith	Peter Letzelter-Smith	O	U
Ron Bonner	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	MP
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 Präsentations-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
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.	O	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
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
Hans van der Moolen	Slagemaker 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

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat
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
- A alternate voting member
- I individual voting member
- O observer, non-voting

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