

Minutes
RIGGING WORKING GROUP

Wednesday, 20 October 2004
Harrah's Las Vegas Casino & Hotel
Las Vegas, Nevada

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

Recording secretary: Karl G. Ruling; ESTA

Members attending: Ted Jones; Chicago Spotlight, Inc.; O; U (later changed to P)
Don Dimitroff; Columbus McKinnon Corp.; P; MP
M. Brad Dittmer; Downhome Productions - Springfield, MO; P; U
Rocky Paulson; Stage Rigging, Inc. (Freeman Companies); O; DR
Timothy Mills; Geiger Engineers; A; G
Reid Neslage; H & H Specialties Inc.; P; MP
Peter Hoffend; Hoffend & Sons, Inc.; A; CP
Rodney F. Kaiser; J.R. Clancy Inc.; P; CP
William Beautyman; Limelight Productions, Inc.; P; DR
Harvey Sweet; LVH Entertainment Systems (LVH Electric, Inc.); P; DR
Michael J. Carnaby; Mikan Theatricals; P; DR
Kent H. Jorgensen; MPS Grips, Local 80; O; G
Richard J. Nix; Performance Systems Integration; P; G
Ron Bonner; PLASA; P; G
Bill Sapsis; Sapsis Rigging, Inc.; P; U
Dan Culhane; SECOA; P; CP
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
Peter Hind; Total Structures, Inc.; P; MP
Hans van der Moolen; Stagemaker Division Europe (Verlinde Spa. France); P;
MP

Visitors: Carlos Garcia; R&M Materials Handling Inc.
Mark Arthur; R&M Materials Handling Inc.
Robert DePrato; IATSE Local 873

Andrew Martin of ATM Flyware had called shortly before the meeting to give his regrets for not attending. His flight had been cancelled due to the weather in Las Vegas.

1 Opening remarks

Mike Garl called the meeting to order at 19:06. The start had been delayed to allow people time to find the room. There were no signs or maps in the hotel showing people the location of the Goldfield and Tonapah rooms, which were the conjoined rooms in which the meeting was held.

2 Attendance and membership

2.1 Introduction of those present

Those in attendance introduced themselves to the assembly.

2.2 Circulation of attendance sign-in sheet

A red and chartreuse sign-in sheet was circulated. Mike Garl instructed members to check off their names and visitors to sign in on the visitor sheets.

2.3 Call for quorum

Mike Garl noted that more than 12 voting members were present, so business could be conducted.

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. Voters are also required to vote on letter ballots. Missing three ballots in a row can result in a loss of voting status."

3 Processing of new membership requests

The following people had applied for working group membership:

Jiantong Wu of the Beijing Special Engineering Design Institute applied for observer status in the general interest category.

Joanna Kamorin Lloyd of Vincent Lighting Systems applied for observer status in the user interest category.

Bill Sapsis moved that the applications be accepted and the motion was seconded. The motion was approved by a unanimous show of hands.

The consensus body during this meeting at this point was:

Name	Company	Representing	Voting status	Int. category
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
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G
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
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

Name	Company	Representing	Voting status	Int. category
Ron Bonner	PLASA	PLASA	P	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
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
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
			34	total
			9	MP
			6	CP
			4	DR
			5	U
			10	G

4 Approval of minutes from the previous meeting

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

5 ESTA declarations

The following statements were read aloud to the assembly by Mike Garl, the chairman.

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."

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

Mike Garl asked to add a report on the sales of standards under "other business." Bill Sapsis moved that the amended agenda be accepted. The motion was seconded. Unanimous show of hands.

7 Old business

7.1 E1.1 — Resolution of E1.1 reaffirmation objections

The working group considered some proposed resolutions to the E1.1 comments and reasons, and voted on them, passing each approved resolution with a supermajority of the working group. [See the "Approved Resolutions to the Comments and Reasons Given on the E1.1 Reaffirmation Working Group Letter Ballot," document number Rig/2004-2027. The resolutions, approval motions, and vote outcomes are noted in it.] The resolutions resulted in changes to the standard, so, although the working group had voted to reaffirm the document, it now was changed and must be processed as a revision, starting with a public review.

Dan Culhane moved that the revised standard be offered for public review. The motion was seconded. The motion will be decided by a letter ballot.

7.2 E1.2 — Aluminum trusses and towers revision public review responses

Mike Garl turned the meeting over to Bill Sapsis, who then served as chairman.

Mike Garl moved that we accept the proposed resolutions detailed in "Resolutions to the Summary of Second Public Review Responses to BSR E1.2-200x, Entertainment Technology – Design, Manufacture and Use of Aluminum Trusses and Towers," document number Rig/2004-2026. The motion was seconded. The motion was approved by a unanimous show of hands, which was a supermajority of the working group.

Mike Garl reported that the task group feels that the public review resolutions did not result in substantive changes to the document.

Mike Garl moved that the draft proposed standard, BSR E1.2-200X, Entertainment Technology — Design, Manufacture and Use of Aluminum Trusses and Towers (Rig/2002-2019r4), be accepted as an American National Standard. The motion was seconded. The motion will be decided by letter ballot to allow all voting members an opportunity to vote on the motion.

Bill Sapsis returned the chairmanship to Mike Garl.

7.3 E1.4 — Manual rigging systems public review responses

Karl Ruling reported that he had collated the comments and sent them to the task group. Nix reported that the task group is close to finishing a set of draft resolutions.

7.4 E1.6 — Revision of E1.6, powered rigging systems, comment resolutions

Mike Garl reported that the task group had worked on a set of resolutions, but that the resolutions were not finished.

7.5 E1.8 acceptance

7.5.1 Reconsideration of working group votes

Richard Nix agreed to withdraw his negative vote on letter ballot Rig/2004-2020.

Richard Nix moved that the newest revised resolutions (Public Review Comments on BSR E1.8 (Rig/1997-2021r9) from Public Review Ending 2003-11-11 with Proposed Resolutions, Rig/2004-2003r3) be accepted. The motion was seconded. The motion was accepted by a show of hands, which was a supermajority agreed. The approved resolutions, without the legislative strikeout are Public Review Comments on BSR E1.8 (Rig/1997-2021r9) from Public Review Ending 2003-11-11 with Approved Resolutions, Rig/2004-2003r4.

7.5.2 Resolution of objections

[Richard Nix had withdrawn his "No with reasons" vote, but the comment associated with the "Yes with comment" vote by Peter Hind was not addressed at the meeting. This was an oversight. It will be on the agenda for the next meeting.]

7.6 E1.15 – Boom & base standard 2nd public review responses

Ted Jones of Chicago Spotlight at this point arrived late. He asked to be moved from observer status to principal voting status. Richard Nix moved that he be made a principal voting member. The motion was seconded. The motion was approved with a unanimous show of hands.

The consensus body was now:

Name	Company	Representing	Voting status	Int. category
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	MP
Ted Jones	Chicago Spotlight	Chicago Spotlight	P	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G
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
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

Name	Company	Representing	Voting status	Int. category
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
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
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
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
			35	total
			9	MP
			6	CP
			4	DR
			6	U
			10	G

Richard Nix moved that the resolutions be accepted and the revised document be sent to public review. The motion was seconded. By a show of hands, 18 voted in favor, none against. This was a supermajority of the voting body. Some voting members had left the meeting.

7.7 E1.21 – Stage roofs standard public review responses

Keith Bohn reported that they are about half-way through comment resolutions. It is possible that no substantive changes will have been made to the document.

7.8 E1.22 – Fire safety curtain systems comment resolutions

Bill Conner was not present. Richard Nix and Dan Culhane, task group members, said that they had no news to report. The task group has not seen the latest version of the document and Conner was not present to report. Harvey Sweet reported that there are some things about fires that are not known. This led to a discussion of the possible need for fire modeling. Dan Culhane said that he had some new information to share with the task group after this meeting that would answer some of the questions.

Mike Garl said that funds may be available to hire firms that do fire modeling, and that the budget for next year is being developed. If funds are needed, it would be good to ask now.

There was a discussion of NFPA 80 and its technical committee's work on fire curtains. There was great concern that that group seems to be pursuing writing a construction specification for a fire

curtain, rather than a performance specification. This would restrict the development of new methods and materials.

8 New business

None.

9 Other business

Mike Garl reported on the sales of E1.1 and E1.2. These had been under-reported, and the actual numbers were quite respectable.

Jerry Gorrell reported on his safety seminar in Phoenix.

10 Schedule for future meetings

The next meeting will be the evening of January 14, 2005, in Ft. Worth, Texas at the Dallas/Ft. Worth Airport Marriott, announced Mike Garl. The following meeting will be at the Fairmont Royal York Hotel in Toronto, ON, Canada on March 16. The summer meeting will be July 29 in Ft. Worth.

Mike Garl asked task groups needing rooms or having special requirements to speak up now, or soon.

11 Changes of membership status resulting from lack of attendance.

Principals (and alternates) who have missed the previous two meetings: None.

12 Adjournment

Keith Bohn moved that the meeting adjourn. The motion was seconded. The motion was approved by acclamation. Mike Garl declared the meeting adjourned at 20:56.

Working Group Membership with Contact Information as of 17 December 2004

Name	Company	Representing (primary sort field)	Vote 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	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
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	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.	P	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
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G
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
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
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
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

Name	Company	Representing (primary sort field)	Vote status	Int. cat.
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
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
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
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 Präsentationssysteme	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
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

Name	Company	Representing (primary sort field)	Vote status	Int. cat.
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
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	Stagemaker Division Europe	Verlinde Spa. France	P	MP
JoAnna Kamorin-Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
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 |