

**Minutes**  
**RIGGING WORKING GROUP**  
Wednesday, 16 October 2002  
Las Vegas Hilton

**Chairman:** Mike Garl; James Thomas Engineering, Inc.; principal; producer

**Recording secretary:** Karl G. Ruling; ESTA

**Members attending:** Andrew T. Martin; ATM Group, Inc.; principal; producer  
Baer Long; Protech Theatrical Rigging Services; principal; user  
Bill Sapsis; Sapsis Rigging, Inc.; principal; user  
Dean Hart; Stage Rigging, Inc. (Freeman Companies); observer; user  
Don Dimitroff; Columbus McKinnon Corp.; principal; producer  
Edward Paget; Jones & Phillips Associates, Inc.; observer; general interest  
Hans van der Moolen; Verlinde N.L. (Verlinde Spa. France); principal; producer  
Harvey Sweet; LVH Entertainment Systems (LVH Electric, Inc.); principal; user  
Jerald Kraft; SECOA; alternate; producer (joined at this meeting)  
Jerry Gorrell; Theatre Safety Programs; principal; general interest  
JoAnna Lloyd; Ocean State Rigging Systems Inc.; alternate; user  
Keith Bohn; Tomcat USA, Inc.; principal; producer  
Kent H. Jorgensen; MPS Grips, Local 80; observer; general interest  
Kevin Dallmeyer; Mandalay Resort Group; observer; user  
Larry Lutz; Texas Scenic Company; principal; producer  
M. Brad Dittmer; Downhome Productions; principal; user  
Michael Akrep; Polar Focus, Inc.; principal; producer  
Nevin Kleege; Kleege Industries; observer; user  
Peter A. Scheu; Scheu Consulting Services; principal; general interest  
Peter Hind; Total Structures, Inc.; principal; producer  
Reid Neslage; H & H Specialties Inc.; principal; producer  
Richard J. Nix; On Location Lighting Systems Inc.; principal; general interest  
Rocky Paulson; Stage Rigging, Inc. (Freeman Companies); observer; user  
Rodney F. Kaiser; J.R. Clancy Inc.; principal; producer  
Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates);  
observer; general interest (joined at this meeting)  
Tim Cox; PLASA; principal; general interest (arrived late at 20:15)  
Tim Franklin; Geiger Engineers; principal; general interest  
Wally Blount; Columbus McKinnon Corp.; alternate; producer  
William Beautyman; Limelight Productions, Inc.; principal; user  
William Conner; Schuler & Shook Inc., representing the Amer. Society of  
Theatre Consultants; principal; user

**Visitors:** Mark Arthur; KCI Distributed Products  
James J. Smith; National Production Services  
Patrick J. Bash; IATSE 720, Las Vegas

**1 Opening remarks**

Mike Garl called the meeting to order at 19:04. He thanked all present for donating their time and talent to the Technical Standards Program.

**2 Attendance and membership**

**2.1 Introduction of those present**

Mike Garl asked those present to introduce themselves, which they did, proceeding in a clockwise direction around the table, starting with Richard Nix.

## 2.2 Call for quorum

Garl surveyed the crowded room and announced that a quorum was present.

## 2.3 Requirements for membership

Mike Garl stated that membership is open to all who are affected by the work of the group, but that voting members must attend meetings. Every principal member of the working group or his alternate is 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.

Garl reminded people that they also have to respond to letter ballots. Missing three will also result in a loss of voting status.

## 3 Processing of new membership requests

The following applications were read to the group by Mike Garl.

Jerald Kraft; Secoa Inc.; alternate; producer  
R. Duane Wilson; George C. Izenour Associates; observer; user  
Andy Sutton; AFX UK Ltd.; observer; user  
Robert Dean; ZFX Inc.; observer; producer  
Tracy Nunnally; Northern Illinois University; observer; user  
Reuben Goldberg; Technic Services; observer; user  
Hank Miller; W.E. Palmer Co.; observer; producer  
Thomas M. Granucci; Associated Students (Cox Arena, San Diego State University);  
observer; user  
Rand Goddard; W.E. Palmer Co.; observer; producer  
Ray Robins; XS Lighting, Inc.; observer; producer (new company affiliation)  
Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates); observer;  
general interest (new company affiliation)

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

The entire consensus body for this meeting, including those absent, was thus:

Name	Company	Representing (sort field)	Voting status	Int. cat.
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	P
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	P
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Tim Franklin	Geiger Engineers	Geiger Engineers	P	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	P
Edwin S. Kramer	I.A.T.S.E, Local 1	I.A.T.S.E. Local 1	P	U
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P
Jack Suesse	J.R. Clancy, Inc. (NC)	J.R. Clancy, Inc.	A	P
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	P
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	P
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	U

Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	P	U
JoAnna Lloyd	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	A	U
Richard J. Nix	On Location Lighting Systems Inc.	On Location Lighting Systems Inc.	P	G
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	P	P
Baer Long	Protech Theatrical Rigging Services	Protech Theatrical Rigging Services	P	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	P
Jerald Kraft	SECOA	SECOA	A	P
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	P
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	P
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	A	P
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	A	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Hans van der Moolen	Verlinde N.L.	Verlinde Spa. France	P	P
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G
				11 U
		TOTALS	29	12 P
				6 G

#### 4 Approval of minutes from the previous meeting

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

#### 5 ESTA declarations to be read aloud by the chairman

##### 5.1 Anti-trust statement

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

"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."

##### 5.2 Call for patents

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

"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 raised by any member of the assembly.

## 6 Approval of agenda

Keith Bohn moved that the draft agenda be approved. The motion was seconded. The motion was approved unanimously with a show of hands.

## 7 Old business

### 7.1 E1.2 – Aluminum trusses and towers revision

Rod Kaiser moved that the revised standard (Rig/2002-2019) shall be sent to public review. The motion was seconded. Since this is the first review of a new document, the motion will be decided by letter ballot.

Karl Ruling asked if the entire document should be sent to public review, or only the new and changed text. The sense of the group was that we should send out the revisions only. People will have to refer to the existing approved standard to place the revisions in context.

### 7.2 E1.4 - Manual rigging systems

Ruling reported that the draft document is in public review through the end of the work day on November 19.

### 7.3 E1.6 – Powered rigging systems

There was a discussion of the response to comment 38, which had none listed in the comment resolution document Rig/2002-2020. The following response and reason was drafted in discussion:

Reject.

It is felt that two different design factors are appropriate for different products. One-off products that do not undergo destructive testing should be made with a minimum design factor of 1:8. However, experience has shown that a minimum design factor as low as 1:5 is acceptable for standard products that are built in quantity and that have been destructively tested, including fatigue testing, as applicable.

Harvey Sweet moved that we accept the above comment resolution. The motion was seconded. By a show of hands, 19 voted in favor of the motion, with none opposed and none voting to abstain. The motion was accepted by a supermajority.

Jerry Gorrell moved that we accept all the comment resolutions. The motion was seconded. By a show of hands, 17 voted in favor, with two votes of abstain, and none voting against the motion. The motion was accepted by a supermajority. The approved comment resolution document is Rig/2002-2020r1.

Bill Sapsis moved that the revised standard document shall go to another public review. The motion was seconded. The motion was decided by roll call ballot:

Name	Company	Representing (sort field)	Voting status	Int. cat.	Accept	Accept in principle	Accept in part	Reject	Abstain
William Conner	Schuler & Shook Inc.	A S T C	P	U	1	0	0	0	0
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P	1	0	0	0	0
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	P	1	0	0	0	0
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	1	0	0	0	0
Tim Franklin	Geiger Engineers	Geiger Engineers	P	G	1	0	0	0	0

Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P	1	0	0	0	0
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	P	0	0	0	0	0
Edwin S. Kramer	I.A.T.S.E, Local 1	I.A.T.S.E. Local 1	P	U	0	0	0	0	0
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P	1	0	0	0	0
Mike Garl	James Thomas Engineering	James Thomas Engineering, Inc.	P	P	1	0	0	0	0
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	U	1	0	0	0	0
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U	0	0	0	0	0
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	U	1	0	0	0	0
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	P	U	0	0	0	0	0
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U	0	0	0	0	0
JoAnna Lloyd	Ocean State Rigging Systems	Ocean State Rigging Systems Inc.	A	U	1	0	0	0	0
Richard J. Nix	On Location Lighting Systems	On Location Lighting Systems Inc.	P	G	1	0	0	0	0
Tim Cox	PLASA	PLASA	P	G	0	0	0	0	0
Tony Douglas-Beveridge	PLASA	PLASA	A	G	0	0	0	0	0
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	P	P	1	0	0	0	0
Baer Long	Protech Theatrical Rigging Services	Protech Theatrical Rigging Services	P	U	1	0	0	0	0
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	1	0	0	0	0
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	1	0	0	0	0
Jerald Kraft	SECOA	SECOA	A	P	1	0	0	0	0
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	P	1	0	0	0	0
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	1	0	0	0	0
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	P	1	0	0	0	0
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	P	1	0	0	0	0
Hans van der Moolen	Verlinde N.L.	Verlinde Spa. France	P	P	1	0	0	0	0
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G	0	0	0	0	0
					29	22	0	0	0

#### 7.4 E1.7 - Recommended practice for flying performers

Baer Long moved that we accept the resolutions proposed in document Rig/2002-2021. The motion was seconded. There was a discussion of the proposed resolution to comment 59, which worked into a larger discussion of many of the responses. During the discussion, some of the working group members admitted to not having carefully read and considered the resolutions before the meeting.

Harvey Sweet moved that we table the current motion until the next meeting. The motion was seconded. By a show of hands, there was one negative vote and two abstentions. All the rest, a clear supermajority, were in favor of the motion.

#### 7.5 E1.8 - Speaker enclosures rigging standard

Mike Garl announced that the draft document is in public review until December 10.

Andrew Martin said that he had sent out 3200 invitations to audio contractors asking them to comment on the document.

#### 7.6 E1.15 – Boom & base standard

Mike Garl reported that it was voted to go to public review by this group and the TSC, so a public review is forthcoming.

#### 7.7 E1.21 – Stage roofs standard

Keith Bohn reported that progress is being made, and there is another task group meeting scheduled for tomorrow Thursday, 17 October.

#### 7.8 E1.22 – Fire curtains

Bill Conner reported that there are now 16 in the task group, which is enough. The group is making progress, and will continue to meet during the LDI trade show.

**8 New business**

None.

**9 Other business**

Mike Garl announced that discussion forums will soon go on-line and explained the rules for using them. Most important is that there can be no discussion on them of pricing or territories in anyway that can be construed to be an indication of to whom a company will or will not sell products or services and at what price they might be sold.

Mike Garl also explained the ESTA Bucks program and handed out ESTA Bucks to those who had earned them by attending this meeting. Ruling gave out ESTA Bucks packets to those task group leaders who were present. He did not give out the packet for the E1.6 task group because its leader was not present.

**10 Schedule for future meetings**

Mike Garl announced that the next meeting would be at the Dallas/Ft. Worth Marriott South in Ft. Worth, Texas on January 17, 2003 from 19:00 to 23:00. The following meeting is scheduled to be at the Hilton Minneapolis on March 19, 2003 from 19:00 to 23:00. The following meeting is scheduled for the last weekend in July, back at the Dallas/Ft. Worth Marriott South in Ft. Worth.

**11 Changes of membership status resulting from lack of attendance.**

None.

**12 Adjournment**

Brad Dittmer moved that the meeting adjourn. The motion was seconded. The motion was approved on a voice vote. Mike Garl declared the meeting adjourned at 20:41.

## Rigging Working Group Membership and Contact Information as of 2002-11-27

Name	Company	Representing (sort field)	Voting status	Int. cat.
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	P
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P
Buddy Braille	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	P
Paul Tardue	BML Inc.	BML Inc.	O	P
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	P
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	P
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	P
Ron Fogel	Creative Realities, Inc.	Creative Realities, Inc.	G	
Jason Friedman	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	U
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	P
M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U
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	U
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Tim Franklin	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	P
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	P
Edwin S. Kramer	I.A.T.S.E., Local 1	I.A.T.S.E. Local 1	P	U
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Perry Langenstein	International Theatre Consultants	International Theatre Consultants	O	G
Jack Suesse	J.R. Clancy, Inc.	J.R. Clancy, Inc.	A	P
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	P
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	P
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	P
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
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	U
Kevin Dallmeyer	Mandalay Resort Group	Mandalay Resort Group	O	U
Charles E. Gorgen	Midwest Crane Corp.	Midwest Crane Corp.	O	P
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	O	G
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	P	U
Tracy Nunnally	Northern Illinois University	Northern Illinois University	O	U
Ted Hickey	OAP Audio Products	OAP Audio Products	O	P
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	P	U
JoAnna Lloyd	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	A	U
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	O	P
Richard J. Nix	On Location Lighting Systems Inc.	On Location Lighting Systems Inc.	P	G
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	P
Patrick Stansfield	Patrick Stansfield Assoc., Inc.	Patrick Stansfield Assoc., Inc.	O	U
Peter Letzelter-Smith	Peter Letzelter-Smith	Peter Letzelter-Smith	O	U
Billy Phillips	Phillips Rigging	Phillips Rigging	O	P

Tony Douglas-Beveridge	PLASA	PLASA	A	G
Tim Cox	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	P	P
Marc Hendriks	Prolyte	Prolyte	O	P
Baer Long	Protech Theatrical Rigging Services	Protech Theatrical Rigging Services	P	U
Robert Barbagallo	Proximo Inc.	Proximo Inc.	O	U
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	P
Jerald Kraft	SECOA	SECOA	A	P
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	P
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Jerrold S. Tiers	St. Louis Music Inc.	St. Louis Music Inc.	O	P
Shawn Nolan	Entertainment Structures Group	Steven Schafer Associates	O	G
Reuben Goldberg	Technic Services	Technic Services	O	U
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	P
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	P
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	U
F. Robert Bauer	Theatrix Inc.	Theatrix Inc.	O	U
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	U
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	O	P
Thomas Paterson	Thomas Paterson	Thomas Paterson	O	G
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	P
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	A	P
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	P
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	A	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Hans van der Moolen	Verlinde N.L.	Verlinde Spa. France	P	P
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Hank Miller	W.E. Palmer Co.	W.E. Palmer Co.	O	P
Rand Goddard	W.E. Palmer Co.	W.E. Palmer Co.	O	P
Peter Happe	Walt Disney Imagineering	Walt Disney	O	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U
Melvin Wierenga	Wierenga & Assoc.	Wierenga & Assoc.	O	U
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G
Ray Robins	XS Lighting, Inc.	XS Lighting, Inc.	O	P
Robert Dean	ZFX Inc.	ZFX Inc.	O	P

#### Voting Status

- P Principal voting representative for a company or organization
- A Alternate voting representative for a company or organization
- I Individual representing no organization other than himself or herself
- O Observer; non-voting

#### Interest Categories

- P Producer (manufacturer) of rigging equipment
- U User of rigging equipment
- G General interest in rigging equipment