

Minutes
RIGGING WORKING GROUP
Wednesday, 14 March 2007
Hyatt Regency Phoenix
Phoenix, AZ

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

Recording secretary: Karl G. Ruling; ESTA

Members attending:

William Conner; Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants; P; U
Eugene Leitermann; Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants; A; G
Jon Lenard; Applied Electronics; P; MP
William Bradburn; Clowes Memorial Hall (Butler University); P; U
Ted Jones; Chicago Spotlight, Inc.; P; U
Don Dimitroff; Columbus McKinnon Corp.; P; MP
Herb Hart; Columbus McKinnon Corp.; A; MP
Pat Grenfell; Vortek (Daktronics Inc.); P; CP
Noga Eilon-Bahar; Eilon Engineering Industrial Weighing Systems; P; MP
Rocky Paulson; Stage Rigging, Inc. (Freeman Companies); P; DR
Joseph Champelli; Fisher Technical Services, Inc. (FTSI); P; CP
Reid Neslage; H & H Specialties Inc.; P; MP
Travis Palmer; H & H Specialties Inc.; A; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Kent H. Jorgensen; IATSE Local 80; P; G
Peter V. Svitavsky; J.R. Clancy Inc.; P; CP
Rodney F. Kaiser; J.R. Clancy Inc.; A; CP
Thomas S. Young; J.R. Clancy Inc.; A; CP
Mike Garl; James Thomas Engineering, Inc.; P; MP
Tray Allen; James Thomas Engineering, Inc.; A; MP
Harvey Sweet; LA ProPoint, Inc.; P; DR
William Beautyman; Limelight Productions, Inc.; P; DR
Bob Medve; Limelight Productions, Inc.; A; DR
Michael J. Carnaby; Mikan Theatricals; P; DR
Vincent J. Cannavale; Motion Laboratories; P; CP
Peter Herrmann; Motion Laboratories; A; CP
Shawn Sack; Mountain Productions Inc.; P; DR
Tim Hansen; Oasis Stage Werks; P; DR
Ron Bonner; PLASA; P; G
Bruce Darden; Rigging Innovators, Inc.; P; CP
Peter A. Scheu; Scheu Consulting Services; P; G
Joshua Grossman; Schuler Shook; A; G
Dan Culhane; SECOA; P; CP
Steve Walker; Steve A. Walker & Associates; P; G
Richard J. Nix; Entertainment Structures Group (Steven Schaefer Associates); P; G
Shawn Nolan; Entertainment Structures Group (Steven Schaefer Associates); A; G
Frank Willard; Syracuse Scenery & Stage Lighting Co., Inc.; A; DR
James Niesel; Theatre Projects Consultants, Inc.; P; G
Jerry Gorrell; Theatre Safety Programs; P; G
Jeff Wilkowski; Thern, Inc.; P; MP
Elmer Veith; Total Structures - Eastern US Sales Office (Total Structures, Inc.); A; MP
Pete Happe; Walt Disney Imagineering (Walt Disney Company); P; U

Visitors: Daniel Clark; Entertainment Structures Group
 Roger Lattin; IATSE Local 728
 Martin Moore; Rensselaer Polytechnic Institute
 Nathan Wells; Stage Technologies
 Stephen Vanciel

1 Opening remarks

Bill Sapsis called the meeting to order at 18:57 and welcomed all to Phoenix.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves, including those sitting on chairs in two rows along the back wall of the room.

2.2 Circulation of attendance sign-in sheet

A pink attendance sign-in sheet was circulated.

2.3 Call for quorum

Bill Sapsis asked for a show of hands of voters and counted them. He then announced that a quorum was present and business could be conducted.

2.4 Requirements for membership

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

"Membership is open to all who are affected by the work of the group. People who would be in the dealer/rental company or user interest groups are particularly encouraged to join. However, voting members are required to attend meetings. Any principal member and voting alternate who both miss three consecutive meetings will have their membership status changed to observer. This action will be taken as the last item of business at each meeting and recorded in the minutes of that meeting."

3 Processing of new membership requests

Applications have been received from:

Shaun Millington; SEW-Eurodrive, Inc.; principal; mass-market producer
 Rob Stevenson; SEW-Eurodrive, Inc.; alternate; mass-market producer
 Elmer Veith; Total Structures, Inc.; alternate; mass-market producer

Eddie Kramer noted that the SEW Eurodrive people not here and suggested they be voted in as observers, since meeting attendance is a duty of voting members.

Jon Lenard of Applied Electronics asked to be moved to principal voting status from observer.

Dan Culhane moved that the applications be accepted, with the exception that the SEW-Eurodrive applicants be accepted as observers. The motion was seconded. The motion was approved with a unanimous show of hands.

Rod Kaiser asked that his voting status and that of Peter Svitavsky for J.R. Clancy be swapped. That is, Svitavsky should be the principal and Kaiser the alternate. Karl Ruling made the change.

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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Eugene Leiternann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A	G
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
William Bradburn	Clowes Memorial Hall	Butler University	P	U
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Peter Hoffend	Vortek	Daktronics Inc.	A	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Travis Palmer	H & H Specialties Inc.	H & H Specialties Inc.	A	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	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
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Ron Bonner	PLASA	PLASA	P	G
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Elmer Veith	Total Structures Inc.	Total Structures Inc.	A	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	A	MP
John James	Tomcat USA, Inc.	Vitec Group plc	A	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
		Total votes	40	
		Votes by interest category	9	MP
			7	CP
			8	DR
			8	U
			8	G

4 Approval of minutes from the previous meeting

See Rig/2007-2003, file name RIGmin01-2007.pdf.

Eddie Kramer moved that the draft minutes be approved as written. The motion was seconded and then approved with a unanimous show of hands.

5 ESTA declarations

5.1 Anti-trust statement

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

"The ESTA Board of Directors, the Technical Standards Committee, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or ESTA president immediately.

"ESTA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

No issues were brought to the attention of the assembly.

5.2 Call for patents

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

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

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

6 Approval of the agenda

Eddie Kramer moved the agenda be approved. The motion was seconded and then approved with a unanimous show of hands.

7 Old business

7.1 ANSI E1.1-2006, wire rope ladders revision

No news or issues

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

No news or issues

7.3 BSR E1.4, manual rigging systems

Resolutions to James L. Read Jr. letter progress report. See SapsisResponseToJimRead.pdf, Bill Sapsis's response to some of the procedural issues raised in Read's letter.

Richard Nix says that the task group has addressed the issues in appendix B of the letter. He asked if they need to respond to every comment and concern of the Jim L. Read Jr. letter. There was discussion.

Karl Ruling stated that he thought everything had to be addressed. He related the problem of the pool and spa standards group who did not address all the stated concerns about people diving into a pool that is too shallow. Their failure to address a danger that was pointed out to them was judged as negligence.

Eddie Kramer noted that the last line of Read's letter before the signature says: "Our specific collective and individual concerns are addressed in the attachment." Therefore the concerns in the appendix are part of the letter by reference.

Chris Kaiser moved that the working group direct the task group to address all of the concerns of the Read letter and the appendices. The motion was seconded. The motion was approved by a majority vote with a show of hands. Five voted Abstain, one voted No, and the rest voted Yes.

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

Public review comment resolution progress report. [Harvey Sweet et alia]

Harvey Sweet reported that the task group still has work to do, and will meet the next day (Thursday, 15 March 2007).

7.5 BSR E1.6-2, electric chain hoists

Public review report; the review ended at the end of the day 19 February 2007.

Dan Culhane says the task group has created draft resolutions. He moved that (a) the working group accept the comment resolutions, (b) that the working group accept the revised draft standard as a fair representation of the comment resolutions, and (c) that the revised draft be offered for public review. The motion was seconded. There was discussion about the comment resolutions and the prudence of a multipart motion. The motion was withdrawn.

The resolution document was revised using a video projector to show the document and changes to the assembly. The changes resulted in some changes to the draft standard.

Dan Culhane moved that we accept the comment resolution document as revised at the meeting (Summary of BSR E1.6-2 Second Public Review Responses and Resolutions, document number Rig/2007-2009). The motion was seconded. The motion was approved with a unanimous show of hands, which was more than the required supermajority.

Eddie Kramer moved that we offer the revised draft E1.6-2 standard (Rig/2005-2040r2) for public review. The motion was seconded and then accepted with a roll call vote:

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.	Vote
Jon Leonard	Applied Electronics	Applied Electronics	P	MP	Yes
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U	Yes
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A	G	
William Bradburn	Clowes Memorial Hall	Butler University	P	U	Yes
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U	Yes
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	Yes
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP	
Pat Grenfell	Vortek	Daktronics Inc.	P	CP	Yes
Peter Hoffend	Vortek	Daktronics Inc.	A	CP	
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP	Yes
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR	Yes
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR	
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP	Yes
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP	
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	Yes
Travis Palmer	H & H Specialties Inc.	H & H Specialties Inc.	A	MP	
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	Yes
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G	Yes
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	A	CP	Yes
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP	
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP	
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	
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP	
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP	
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR	Yes
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	Yes
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR	
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	Yes
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP	Yes
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP	
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR	Yes
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	Yes
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR	
Ron Bonner	PLASA	PLASA	P	G	Yes
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP	Yes
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	Yes
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	Yes
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G	
Joshua Grossman	Schuler Shook	Schuler Shook	A	G	Yes
Dan Culhane	SECOA	SECOA	P	CP	Yes
Jerald Kraft	SECOA	SECOA	A	CP	
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR	
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G	Yes
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	Yes
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G	

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.	Vote
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR	Yes
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR	
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G	Yes
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
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP	
Elmer Veith	Total Structures Inc.	Total Structures Inc.	A	MP	Yes
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP	
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	A	MP	
John James	Tomcat USA, Inc.	Vitec Group plc	A	MP	
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U	Yes

	Yes	Yes with comments	No with reasons	Abstain	Not present	Total
MP	7	0	0	0	2	9
CP	6	0	0	0	1	7
DR	7	0	0	0	1	8
U	6	0	0	0	2	8
G	8	0	0	0	0	8
Total	34	0	0	0	6	40

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

Dan Culhane described the work being done on a first draft of this standard.

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

It's published. No news or action needed.

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

It's published. No news or action needed.

7.9 ANSI E1.21-2006, portable roof systems

It's published. No news or action needed.

7.10 BSR E1.22, fire safety curtain systems

(Public review ended Monday, 12 March 2007. Comments were sent to the working group on March 13.)

Jim Niesel reported under the spirit of 5.2 that some of the language in E1.22 is much like the language of NFPA 80. Bill Conner said that the language of NFPA 80 was submitted by the same people who submitted the language to E1.22. Ruling noted that both our groups have non-exclusive copyright agreements with the material submitters. We received the same language from the same people, who maintain the rights to their own words.

Harvey Sweet asked why we are doing this project if all we are doing our own version of NFPA 80. Steve Walker said that there are significant differences between NFPA 80 and our document. The NFPA 80 document is more prescriptive. The E1.22 document is more performance-oriented.

8 New business

8.1 Qualified and competent definitions

Chris Kaiser requested that the RWG revisit the definitions of qualified and competent person that are in the ESTA style guide.

Competent person: a person who is capable of identifying existing and predictable hazards in the workplace, and who is authorized to take prompt corrective measures to eliminate them.

Qualified person: a person who by possession of a recognized degree or certificate of professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrate the ability to solve or resolve problems relating to the subject matter and work.

Eddie Kramer moved that the definitions be modified by adding the note, "This definition has been adopted by the Rigging Working Group on July 10, 1998." The motion was seconded. There was a discussion. The motion was accepted with a show of hands.

8.2 Our audience

"For whom are we writing these documents?" Chris Kaiser asked.

There was a discussion of this. Eddie Kramer said that it depends on the document. As an example, the TSC has come up with two different pricing levels for our standards, depending on who is going to buy the standard. Bruce Darden suggested that the target audience for our standards is very broad. Jerry Gorrell concurred that the audience is quite broad. It depends on what we're writing. There was further discussion along these lines.

Gene Leitermann pointed out that with all of our standards, but particularly E1.4 and E1.6-1, we cannot control who will use them and how. We know that E1.4 and E1.6-1, in particular, will be used by AHJs (Authorities Having Jurisdiction). We can say that we are writing the document for some other group, but AHJs will use it.

There was no motion made, but the consensus was that we need to write the best documents we can write, that are as clear as we can make them, knowing that they will be used by a wide variety of people.

8.3 Presentation of the tests done by Eilon in Tel Aviv on loads suspended from multiple pick-up points

Noga Eilon-Bahar showed a video documenting the tests that were done to show how the load is distributed between multiple pick-up points when truss with more than two pick-up points or a truss grid is lifted. There was discussion.

9 Other business—Announcements

9.1 Passing of the Torch by Clancy

Rodney Kaiser announced that he has to "pass the torch" and would like to have Pete Svitavsky on the task groups where he and Tom Young have served.

9.2 North American Theatre Engineering and Architecture Conference

Bill Sapsis announced that he has proposed a North American Theatre Engineering and Architecture Conference, to be held at Pace University in Manhattan in 2008. He will be putting together the panels in late spring or early summer of 2007. The TSP meetings might be held in New York to coincide with the conference.

9.3 Long Reach, Long Riders

Bill Sapsis also announced the Long Reach, Long Riders charity ride for The ESTA Foundation's Behind the Scenes. He also announced the Short Reach, Short Riders charity ride, which will feature children on tricycles.

9.4 Other, other business

None.

10 Schedule for future meetings

It was announced that the next meeting is scheduled for Friday, 13 July 2007, from 19:00 to 23:00 at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, TX.

11 Changes of membership status resulting from lack of attendance.

The following voters and their alternates have missed the last two consecutive meetings, and will have missed three if they miss this one:

John C. Snook; Thermotex Industries

Keith Bohn, Mitch Clark, and John James; Tomcat USA (The Vitec Group plc)

Bill Sapsis noted that the above voters, noted as being in jeopardy of losing voting status on the draft agenda, which was distributed more than two weeks before the meeting, were not present at this meeting, and are now moved to observer status due to lack of attendance.

12 Adjournment

Dan Culhane moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous voice vote. Sapsis declared the meeting adjourned at 22:31.

Working Group Membership and Contact Information as of 17 May 2007

Name	Company	Representing (This is the sort field.)	Vot. stat.	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	O	U
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A	G
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	O	MP
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Eric Todd	BML Inc.	BML Inc.	O	MP
Paul Tardue	BML Inc.	BML Inc.	O	MP
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Charles E. Gorgen	Charles E. Gorgen	Charles E. Gorgen	O	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Steve Gonnella	City of Phoenix, Theater Division	City of Phoenix	O	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Mylan Lester	Creation Logics Ltd.	Creation Logics Ltd.	O	U
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	O	G
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Peter Hoffend	Vortek	Daktronics Inc.	A	CP
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	G
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	P	MP
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	O	G
Cristina Delboni	Feeling Structures	Feeling Structures	O	MP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
Dana Bartholomew	Fisher Technical Services	FTSI	A	CP
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Timothy Mills	Geiger Engineers	Geiger Engineers	O	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Kevin Denis	Gravitec Systems, Inc.	Gravitec Systems, Inc.	O	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Travis Palmer	H & H Specialties Inc.	H & H Specialties Inc.	A	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U

Name	Company	Representing (This is the sort field.)	Vot. stat.	Int. cat.
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
G. Anthony Phillips	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	U
Gregory C. Collis	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	G
Michael Di Ieso	IATSE Local 481	IATSE Local 481	O	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	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
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	MP
John Kaes	John Kaes	John Kaes	O	U
John R. Burgess	John R. Burgess	John R. Burgess	O	U
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Michael L. Savage, Sr.	Middle Dept. Inspection Agency, Inc.	Middle Dept. Inspection Agency, Inc.	O	G
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Todd Petersen	Mixed Productions	Mixed Productions	O	U
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	DR
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
François Deffarges	Nexo	Nexo	O	MP
Tracy Nunnally	Northern Illinois University	Northern Illinois University	O	U
Ted Hickey	OAP Audio Products	OAP Audio Products	O	MP
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	O	DR
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	O	CP
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	CP
Ron Bonner	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	MP
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	O	CP
Marc Hendriks	Prolyte	Prolyte	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	U
Rinus Bakker	Rhino Rigs B.V.	Rhino Rigs B.V.	O	G

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Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Rikki Newman	Rikki Newman	Rikki Newman	O	U
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Heinz Siller	RST 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
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	MP
Shaun Millington	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Rob Stevenson	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Jerrold S. Tiers	St. Louis Music Inc.	St. Louis Music Inc.	O	MP
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Shawn Nolan	Entertainment Structures Group	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Reuben Goldberg	Technic Services	Technic Services	O	U
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	CP
Mark Newlin	Texas Scenic Company	Texas Scenic Company	O	CP
Alan Broadhurst	The Broadhurst Partnership	The Broadhurst Partnership	O	P
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Ed Nicholas	Theatrical Lighting Systems, Inc.	Theatrical Lighting Systems, Inc.	O	DR
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	DR
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	O	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Tim Franklin	Theta-Consulting	Theta-Consulting	O	G
Chris Higgs	Total Solutions Group	Total Solutions Group	O	G
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	O	MP
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Hind	Anthony Ward Partnership Ltd.	Total Structures, Inc.	O	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
JoAnna Kamorin- Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
Michael Keppler	Bogen	Vitec Group	O	MP
Mitch Clark	Tomcat USA, Inc.	Vitec Group plc	O	MP
John James	Tomcat USA, Inc.	Vitec Group plc	O	MP

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Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	O	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
Robert Dean	ZFX Inc.	ZFX Inc.	O	CP

Key to codes:

P	principal voting member	MP	mass-market producer interest category	G	general-interest interest category
A	alternate voting member	CP	custom-market producer interest category		
I	individual voting member	DR	dealer or rental company interest category		
O	observer, non-voting	U	user interest category		