

# The Light TLS stuff

*The Light Stuff* is a  
publication of TLS, Inc.  
Huntsville, AL

## Building a Palace? Use Fire and Ice!

**Saint Paul, MN** - Greg Brock, the Ops Manager here at TLS, Inc., went to Minnesota for the early days of the construction and set-up of the 2004 Saint Paul Winter Carnival Ice Palace. Most of us back at the shop, inhabiting warmer climates, were amazed by the photos he returned with. Multiple days, weeks, or months of freezing and below freezing temperatures are just not something we can fathom. We all had many questions for Greg: Why are we, a lighting company, involved? What are we lighting? And how do you build an *ice palace*?

The answer to the first question is best given by TLS, Inc. president, David Milly who begins by acknowledging the Winter Carnival and Ice Palace event as a world class undertaking. TLS, Inc. got involved because the lighting designer, Frattalone & Assoc. wanted to use High End fixtures. TLS, Inc. already had an expansive inventory of High End gear, so we were given the go-ahead. System integration expertise also played a factor, therefore, TLS, Inc.'s Chris Lighthall was sent North to spend nearly a month in freezing temps as the head electrician/system integrator. Tim Grivas from High End Systems went as the show's co-producer. Milly credits Sandy Schwartzbauer and Bob Viking from the Saint Paul Festival and Heritage Foundation for assembling an incredible team to pull off this year's Winter Carnival. From the design of the palace itself, done by architect SLL Leo A. Daly, to the lighting design by Frattalone & Assoc. everything meshed well.



Builders with flame throwers construct one of the Ice Palace walls - *above*. *Below* - Construction site of the 2004 Ice Palace



*Continued on page 3*

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## Conventions, Seminars, and Conferences, Oh MY!

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With an abundance of conventions, conferences, and seminars available this spring, you'll have no excuses this summer and fall for not knowing about the latest entertainment technology. Whether you're a student looking for a summer-stock position or a professional looking to increase your product knowledge, there's a conference out there for you!

**SETC** - *Southeastern Theatrical Conference*. A regional theatre organization, *SETC* is celebrating its 55th year. This year's convention will be held in Chattanooga, TN. Colleges and other theatrical organizations take advantage of this large gathering to hold interviews and auditions. However, it's not just for job hunting; plenty of seminars and work-

shops are offered during the week-long conference.

**TLS,Inc./Quantum Technologies,Inc. Worship Technologies Seminar**. Teaming together for the first time to bring lighting and multimedia information to worship centers, Huntsville, AL based TLS, Inc. and Quantum Technologies, Inc. are hosting a one day seminar. Complete with demos and hands-on training, the seminar is aimed at further educating those who want to enhance the worship experience through lighting, sound, and other forms of multimedia. The seminar will be held at Quantum with a "field trip" to TLS,Inc. for lunch and more demos.

**USITT** - *United States Institute for Theatre Technology, Inc. Conference and Stage Expo*. *USITT* has it all: exhibits, forums, workshops, and speakers. All events at the expo are aimed at educating its members in the latest technology and practical applications. Also offered are design competitions and a banquet honoring the stars of the profession. More than 3,000 people attend annually and visit over 200 exhibitor booths.

**Southern Gaming Summit** - Marking its 11th year, *SGS* has become the "largest gaming trade show and conference outside Las Vegas". This year's event in Biloxi, MS is a perfect mixing of business and pleasure. Attendees get to see the latest in gaming equipment, merchandise, and entertainment gear, as well as the opportunity to attend informative and educational workshops and seminars. Last year's event drew over 200 exhibitors and 5000+ attendees.

**Inspiration 2004** - *Technologies for Worship Magazine* holds this yearly conference to showcase, introduce, inform, and educate. Aimed at those who serve their houses of worship as "techies", *Inspiration* is a week full of seminars, workshops, and demos. Just a few of this year's offerings include: Powerpoint 101, Sound Operators Workshop, and Basic Lighting Console Workshop.

There you have it - ample opportunity to get out there and learn something. Just a reminder that there is a fee for many of these conferences and some offer discounts to members. Many of the hands-on training seminars require pre-registration due to limited space. All info about membership, fees, and registration can be found on the individual conference's webpage. For links to these pages, go to our web site - [www.tlsinc.com](http://www.tlsinc.com) and click the link to News/Seminars. For info on the TLS,Inc./Quantum Seminar - contact Melissa Hill of Quantum at 256-922-1200 ext 120.

### **SETC**

Chattanooga, TN  
March 3rd - 7th

### **TLS,Inc/Quantum Technologies Worship Technologies Seminar**

Huntsville, AL  
March 12th

### **USITT**

Long Beach, CA  
March 17th - 20th

### **Southern Gaming Summit**

Biloxi, MS  
May 5th - 6th

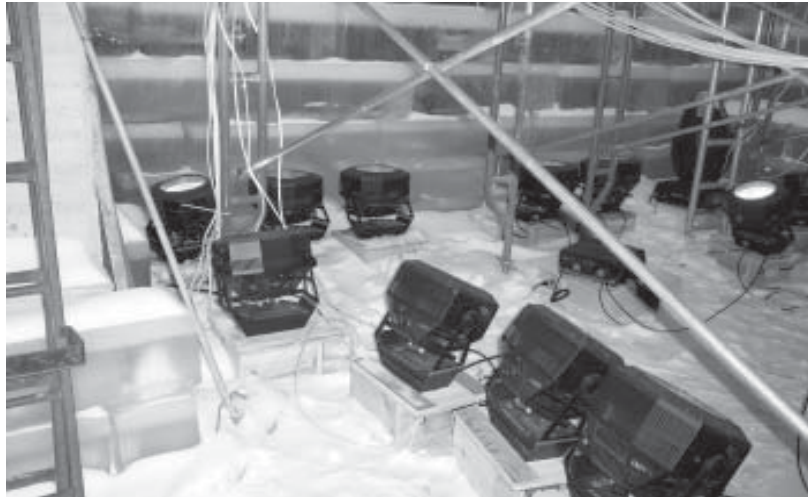
### **Inspiration 2004**

Charlotte, NC  
May 10th - 14th

## Ice Palace - from page 1

Now, before we begin answering the second question, allow yourself a mental image: A five-acre fantasyland made entirely of ice. A nine foot high wall of ice encompasses a beautiful 240 foot wide palace with turrets that climb to seven and a half stories. In the courtyard stands a twenty foot fountain that alternately bubbles with fire and ice. Various ice sculptures decorate the courtyard as well. (Did we mention it's ALL made of ICE?) Two stages for live entertainment and an ice rink are "ice-ing" on this fantastical cake.

Frattalone and Assoc. were tasked with creating a lighting design that would enhance the beauty of the ice, generally illuminate the entire Winter Carnival grounds at night, as well as create a "light show" for entertainment.



ColorCommands at work in the Ice Palace

Inc. is proud of the job done on site, as well as at the shop, in support of this event.

So how *was* this palace of ice built? The trade industries in the Saint Paul area and hundreds of volunteers contributed endless hours building this incredible structure. While there, Greg Brock watched as rough-cut blocks of ice were hauled in on tractor trailers from Lake Phalen. Each block weighed in at approx. 660lbs. The blocks were off-loaded to a trimmer - a person with a chain saw - who smoothed the edges. One block was then lifted by crane to its place in the structure. Several workers were waiting to guide the block into place. One of the workers in the group used a flame-thrower to melt the top and sides of the blocks around the new one - then the others slid the new block into place. It was so cold that it almost immediately froze together; therefore creating the "mortar" to hold the blocks together. During the Carnival, using the same concept of "melt then freeze", spectators used warm coins from their pockets to graffiti the palace walls as they stood in line. The money will be scraped off and used to do "something in the community."

Now that the Winter Carnival is over, (it ended Feb. 8th with the NHL All-Star Game) the lights are being struck and the Ice Palace will be deconstructed. In two years the site will be the new home of Minnesota Twins baseball. David Milly joked that they have to wait til the ground thaws before they can break ground for the future stadium.

To see more pictures of the Ice Palace, visit our website, [www.tlsinc.com](http://www.tlsinc.com).



Aerial view of the 5-acre Saint Paul Winter Carnival Ice Palace grounds. *Photo courtesy of PROEX Photo & Portrait*

# This Quarter's Sale Items

Sale Ends Friday, May 28th, 2004

## Fall Protection Package includes:

- (1) Full Body Harness w/  
Positioning Rings
  - (1) Twin Lanyard w/  
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  - (2) Autolocking Steel  
Carabiners
- Package Price:  
**\$180.00**  
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We're selling some of the actual  
fixtures used in the **Ice Palace**  
**High End C16**  
Architectural Fixtures (Used)  
**\$150.00**



Autolocking Steel Carabiner (11,000 lbs TS)	\$19.50 (list \$24.16)
Aluminum ScrewGate Carabiner (silver, 7600 lbs TS)	\$7.25 (list \$8.91)
(black 7600 lbs TS)	\$8.75 (list \$10.83)
Alum. NonLocking Oval Carabiner (silver 4,900 lbs TS)	\$5.50 (list \$6.66)
HPL575/120V (Osram/Sylvania)	\$15.99 (list \$20.00)
Rosco Lux and Lee Filters (excludes HT)	\$5.25 (list \$7.25)
Safety Cables-30"	\$1.75 (list \$2.75)



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*"We Light the Stars"*

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