

April 17-19, 2018

**Jiminy Peak Mountain Resort
Hancock, Massachusetts**

**41st LMS
Seminar**

Safety through shared knowledge



Thank you Sponsors

41st LMS Seminar





41st Annual LMS Seminar
Jiminy Peak Mountain Resort
Hancock, MA
April 17-19, 2018

LMS General Information

Breakfast will be served on Wednesday and Thursday morning in JJ's Lodge. The Jiminy Round Table, which in the past has always been SRO, will remain a General Session on Wednesday at 8:30a.m. in JJ's for everyone. The agenda and the class descriptions posted at <http://www.ma-lms.org/registration-and-schedule/>.

CLASS SCHEDULING FORM:

A Class Scheduling Form is handed out during registration. Lift Maintenance, Lift Operations and slope Maintenance personnel should use this form as documentation of training during the LMS Seminar.

Presenters will handout stickers at the end of each class. Attach the sticker to the scheduling form as proof of training and attendance. These stickers have the date time, and class title to reference to the Class Descriptions. The completed Class Scheduling Form with descriptions should become part the areas' and your training record.

LMS ADVISORY COMMITTEE

A meeting will be held Tuesday afternoon at 4:30 pm in Crane East after classes have finished to discuss potential classes for LMS-2019. We would like to form an advisory committee to help determine the LMS programming and classes for future seminars. Local knowledge of issues, needs, and potential speakers is a great advantage when scheduling training classes.

CLASS UPDATES:

Late Entry Class ~ F-8 – Summer Maintenance Checklist of TA Fan Guns



- | | | |
|----------------|-----------------------|---|
| ① – Burbank | ⑤ – Doc Maynard | ⑧ – Welcome Center |
| ② – Crane East | ⑥ – Operations Center | ⑨ – JJ's |
| ③ – Crane West | ⑦ – Thunder Bolt | ⑩ – Country Inn (2 nd Floor) |
| ④ – Cubs Den | | |

WEDNESDAY - April 18, 2018

BREAKFAST

J J's Lodge

**Jiminy Roundtable - Little Shop
Mike Lane, NSAA - Sid Roslund with inspectors and insurance representatives.**

J J's Lodge

	ELECTRICAL	ELECTRICAL	MAINTENANCE	MAINTENANCE	OPERATIONS	GENERAL	Maintenance	General
7:30								
8:30 am to 10:30 am	C-1 DC - Electric Motors for the Mechanic	C-2 Troubleshooting Comm. Lines and Mechanical Deropement Switches	C-3 Gear Box Fundamentals Inspection & Repair Procedures	C-4 Magic Carpet Conveyors	C-5 Adaptive Evacuation Workshop	C-6 Funiculars 3-Types ~ 3-Stories	C-7 What's My Tension? Don't Have Line Calcs? We Can Help!	C-8 Record Keeping for Lifts Beyond Satisfying Our Lift Inspectors
	Welcome Center	Crane East	Thunderbolt	Burbank	Outside at Detachable	Clark - Country Inn	Ops Center (cat shop)	Cubs Den

LUNCH

	ELECTRICAL	ELECTRICAL	MAINTENANCE	MAINTENANCE	MAINTENANCE	GENERAL	GENERAL	GENERAL	GENERAL
12:00 pm									
1:00 pm to 2:30 pm	D-1 AC Variable Frequency Drives (VFD's)	D-2 Short - Circuit Current Rating (SCCR)	D-3 Get a Grip On Your Slippage	D-4 Failure Analysis of Ski Area Mechanical Equipment Emphasis on Shafts and Fasteners	D-5 Hydraulic Controls Brake and Tension 3-Hour Class	D-6 The Fundamental of Fasteners	D-7 Basic Ski Lift Math and Physics	D-8 SMI Snow Makers - We've Got You Covered	
	Welcome Center	Cubs Den	Crane East	Jericho - Country Inn	Clark - Country Inn	Burbank	Ops Center (cat shop)	Thunderbolt	

BREAK

	ELECTRICAL	ELECTRICAL	MAINTENANCE	MAINTENANCE	MAINTENANCE	GENERAL	GENERAL	OPERATIONS
3:00 pm to 4:30 pm	E-1 D.C. Drives	E-2 (RPD) Rope Position Detection Doppelmayr Systems	E-3 Conveyor Safety - During Maintenance and Operations	D-4 Continued Failure Analysis of Ski Area Mechanical Equipment Continued	D-5 Continued Hydraulic Controls Brake and Tension (Continued)	E-6 Practical Applications of Bearings in the Ski Industry	E-7 Advanced Ski Lift Math and Physics	E-8 Lift Operations Round Table
	Welcome Center	Crane East	Burbank	Jericho - Country Inn	Clark - Country Inn	Cubs Den	Ops Center (cat shop)	Thunderbolt

SUPPLIER RECEPTION

Sponsored by: SMI Snowmakers - Leitner Poma of America

Crane West

AWARDS DINNER

**Sponsored by: Green Mountain Controls - Stevens Engineering
Geise Engineering**

THURSDAY - April 19, 2018

BREAKFAST

J J's Lodge

	ELECTRICAL	ELECTRICAL	MAINTENANCE	MAINTENANCE	GENERAL	OPERATIONS	GENERAL	GENERAL	GENERAL
7:45									
8:30 am to 10:00 am	F-1 Low Voltage Control Circuits 3-Hour Class	F-2 Bearing Protection for Electric Motors	F-3 Skytrac Phased Lift Replacement Program	F-4 Introduction to Brakes - 101	F-5 LOPA Manufacture Session	F-6 Evacuation Planning - What's New, What's Different?	F-7 Ropeway Historical Accident Review	F-8 Summer Maintenance Checklist of TA Fan Guns	
	Clark - Country Inn	Thunderbolt	Cubs Den	Crane East	Jericho - Country Inn	Welcome Center	Burbank	Ops Center (cat shop)	

BREAK

	ELECTRICAL	ELECTRICAL	MAINTENANCE	GENERAL	OPERATIONS	GENERAL	GENERAL	GENERAL
10:30 am to 12:00 pm	F-1 Continued Low Voltage Control Circuits Continued	G-2 Lift Electric Roundtable	G-3 How and Why Accidents Happen	G-4 ANSIB77 What's In the New 2017 Edition	F-5 Continued LOPA Manufacture Session (Continued)	G-6 9-1-1: Recognizing An Emergency	G-7 HR for Supervisors	Welcome Center
	Clark - Country Inn	Cubs Den	Thunderbolt	Crane East	Jericho - Country Inn	Burbank	Welcome Center	

Class Descriptions

41st LMS Seminar — April 17-19, 2018

General Session Tuesday Morning 9:00 am

The Alarming Workplace Safety Challenge Facing the Ski Industry

Ryan Lavoie • Risk Manager • Peak Resorts

With 11 recent fatalities at ski areas across all departments, ski areas face an alarming workplace safety and culture problem. Simply put, ski areas are industrial workplaces, and we need to change expectations dramatically to improve conditions and reduce risks. Not only do we owe a moral responsibility to our employees and their families, it's also a growing dilemma financially for ski areas, from escalating worker comp premiums and costs, to escalating OSHA citations and fines. Whether it's lost arms, lift maintenance fatalities, or on-mountain deaths of our co-workers—our employees, managers, and owners must emphasize, and invest, in safety. The culture must change.

Tuesday 11:00 am Classes

A-1 Electrical Safety - NFPA 70E 2015 3-Hour Class

Paul Gelinias • Burlington Safety Laboratory, Inc.

Basic Three Hour Electrical Safety for General Industry – The objective of this three hour program is to develop a strong commitment to safety, especially electrical safety. This program is designed to highlight the need for electrical safety, and provide a general treatment of the nature of electricity; the risks, hazards and solutions for a safe work environment. The program explores the inter-dependence of consensus standard NFPA 70E and OSHA Subpart S rules. Graphic illustrations of the consequences resulting from actual electrical accidents are presented. A review of LOTO procedures, PPE and other safety equipment is included. The issue of "How do I know what I need?" and strategies for dealing with uncertainty of risk level are discussed. The basics of grounding, hand tool safety and how to select the proper voltmeter are included.

Suitable for all categories of employees, electricians, maintenance, operators, supervisors, and management.

A-2 Introduction to Basic Electricity

Mike Taylor • Keystone Resort

This course will cover the basics of electricity and will expand upon various electrical components typically found on ski lifts.

A-3 Introduction to Wire Rope

Sam Geise • Geise Engineering

Terminology, constructions, use;

How wire rope is made;

Basic inspection & Math (Broken Wires, etc.) MRT: ANSI B77 Requirements.

A-4 Let's Talk Lift Inspections

Mike Nellis • State of Vermont

Each State will explain how they do inspections.

What inspectors look for?

How many on staff and what it takes to become an inspector?

How each state deals with New Lifts, Modifications, Write ups, etc.?

Bring Your Questions!

A-5 Work Carrier Safety:

It's Just Another Carrier and You're Just Along For The Ride

Brook Kasman • Stowe Mountain Resort

You load them up and climb on, but have you done your homework?

How much can they carry, have you done the grip maintenance, communication protocols, lockout-tagout?

With several accidents this past year, OSHA will be looking at work carriers and their usage. This open discussion will start with these items and the new requirements of the ANSI B77.1-2017 Standard and what steps you need to review and update to meet the requirements.

A-6 Operational Impacts of B77.1-2017 on

Fixed and Detachable Chairlifts

Mary Davis • ASC B77 Evacuation Subcommittee

What's New and what has changed in the Operational and Signs requirements with the approval of the B77.1-2017 Ropeway Standard in the Operations and Signs. This session will update attendees on changes that will affect all lifts, not just new installations, major modifications, or relocated lifts.

A-7 Maintenance Training Guideline

Michael Lane • National Ski Areas Association

Update on the Maintenance Guideline that NSAA is working on to help areas with their training needs for their maintenance training program.

A-8 The Math of Making Snow:

What Every Snowmaker Needs to Know!

Ian Jarrett • HKD Snowmakers

Given the many challenges brought on by climate change, competition and the overall demands of the skiing public, snowmaking is the most critical discipline for almost every resort in North America. As snowmakers, we must strive to understand our craft. The basic principles of snowmaking and their importance to the survival of the ski industry are what drove innovators such as Herman K. Dupre (HKD) to pursue greater levels of efficiency and performance. In this session we will address the essential metrics and principles that continue to be the basis of success (and failure) in snowmaking.

Tuesday 1:30 pm Classes

B-2 Introduction to the Usage of the Digital Multi-Meter

Mike Taylor • Keystone Resort

This course will cover the workings and usage of digital multi-meters.

Bring your meter.

B-3 SunKid Wonder Carpets

Maintenance, Operation, and Troubleshooting

Conor Rowan • Star Lifts, USA

Panel with Dan Etman - Green Mountain Control Systems

The class will cover all things SunKid

Maintenance, Operation and Troubleshooting.

B-4 Concerned About Aging Lifts and Other Mechanical Equipment?

Neville Sachs, P.E. • Neville W. Sachs, P.E., PLLC

Many of our ski lifts are over thirty years old and much of our other machinery is aging. This presentation reviews the common causes of mechanical deterioration, what we can do to prevent further degradation, and some steps we can take to improve their mechanical reliability.

B-5 Planetary Gearbox Concepts

Paul Ehler • Doppelmayer USA, Inc.

Panel with Donnie Martin, Walt Read

We will discuss the following:

- Types of CAT planetary drives.
- How to identify, important differences for maintenance.
- Failure modes - What has happened to others; what have you experienced?
- Accessibility without removing the rope - Safety precautions!
- What to inspect and how.
- Other failure prevention measures.

B-6 Accountability in Maintenance

Bob Ackland • Steep Management, LLC

Understanding the value of accountability in our lift maintenance programs. It is the teaching opportunity to improve the performance of a lift maintenance department. This course is intended for all, but mainly supervisors and managers of maintenance departments.

B-7 Summer Operations – What You Need to Know

Richard Donahue • MountainGuard Insurance

Angela Hayden • MountainGuard Insurance

Summer operations come with their own unique challenges and operational issues that are very much different than the Winter Season. This session will cover the unique challenges that areas are faced with and practical solutions to address summer activities.

B-8 Snowmakers Symposium

Dave Lacombe • Killington Resort

This is an open discussion where snowmakers can learn, discuss, and swap information on all aspects of slope maintenance.

Class Descriptions

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General Session Wednesday Morning 8:30 am:

Jiminy Roundtable - Little Shop

Mike Lane • National Ski Areas Association

Sid Roslund, and others from insurance, authorities, and maintenance personnel. The year in review! What went "right and wrong," trends that have been noticed concerning Ropeways, and the people who maintain and operate them!

Wednesday 10:30 am Classes

C-1 DC - Electric Motors for the Mechanic

Karl Butz • Troy Industrial Solutions

One of the critical parts of your ski area is the Electric Motor. This class will show the types in use today, A.C and D.C., the differences, typical installation techniques and the maintenance required. This class will be good for maintenance staff on Snowmaking plants as well as Lifts.

C-2 Troubleshooting Comm. Lines and Mechanical Deropement Switches

Mike Taylor • Keystone Resort

This course utilizes a mock comm. line to demonstrate what type of faults can occur and how a digital multi-meter can be used to diagnose electrical problems. Prerequisite for this course is Introduction to Basic Electricity, if one is not familiar with electrical power flow.

C-3 Gear Box Fundamentals, Inspection & Repair Procedures

Nick Chieppo • Artec Machine Systems

Gear Box Fundamentals & Applications, Modes of Failures and Preventative Maintenance Tips, Gearbox Inspection Techniques, Repair Procedures

C-4 Magic Carpet Conveyors

Audrey Archuleta • Magic Carpet Lifts

*Panel with Sam Geise
Conveyor Design, Hazard Analysis, Maintenance, Safety, Operation, and Troubleshooting.*

C-5 Adaptive Evacuation Workshop

Mary Davis • ASC B77 Evacuation Subcommittee

*Panel with Joe Hurley and Betsy Hurley
Review of the "common adaptive equipment", interfacing it with resort evacuation equipment, and the ANSI/RESNA Standard. This session will include a Hands-on workshop working with typical adaptive ski equipment in an evacuation setting. An opportunity to explore adaptive evacuation procedures at various resorts.
Note: Held at the Detachable outside of the JJ's Lodge*

C-6 Funiculars - 3-Types ~ 3-Stories

Ross Stevens • Stevens Engineering

A look at 3 very different types of funicular installations, what they look like, what they are used for and the machinery that makes there ropeways run. A show and tell class with lots of opportunity for questions and discussion that relates back to ski lifts.

C-7 What's My Tension?

Don't Have Line Calcs? We Can Help!

Sid Roslund • National Ski Areas Association

We will look at how to calculate the tension on a haul rope at the location where you plan to install the rigging for a splice or project. Both hydraulic and counterweight systems will be reviewed and how to determine the initial tension in the rope, plus the additional vertical component/calculated rope weight and chairs for the location along the lift line.

C-8 Record Keeping for Lifts, Beyond Satisfying Our Lift Inspectors

Bob Ackland • Steep Management, LLC

The intent is not to focus on the more notable reason for record keeping, legal, defenses etc., but rather the inherent value knowing where one is creates purpose and leads to better quality.

Wednesday 1:30 pm Classes

D-1 AC Variable Frequency Drives (VFD's)

Tom Bates • New Hampshire Electric Motors

*Panel with Leighton Bates, President, N.H. Electric Motors
Discussion and explanation on the construction and operation of VFD's. Poly phase (3Ø) motors are used in all aspects of ski area operations, lifts, and snowmaking. Tom will explain the application, installation parameters and theory of operation of VFD's. He will discuss the advantages of using a VFD and possible pitfalls.*

D-2 Short - Circuit Current Rating (SCCR)

Christina Rosati • Eaton Bussmann Fuse

The 2017 National Electrical Code specifically addresses the Short Circuit Current Rating of electrical equipment including the typical control(s) cabinet. Over current and short circuit fault protection is extremely important to your ski area.

D-3 Get a Grip on Your Slippage

Larry Wollum • All Ski Lifts

The discussion will start with the requirements of the ANS B77.1 Standard for grips. The designs of several grip types will be looked at and how they accomplish the requirements. We will then look at the springs and spring washers that apply the force to accomplish the attachment of the grip to the cable.

D-4 Failure Analysis of Ski Area Mechanical Equipment - with Emphasis on Shafts and Fasteners 3-Hour Class

Neville Sachs, P.E. • Neville W. Sachs, P.E., PLLC

The presentation starts by defining and showing examples of the physical, human and latent roots (causes) of failures. It then goes into detail about how to diagnose the physical causes and includes a number of hands-on examples. The last portion of the class is a review of several ski area failures and how their diagnosis can lead to preventing additional equipment problems. Students are encouraged to bring failed parts to the class for hands-on analysis.

D-5 Hydraulic Controls Brake and Tension

3-Hour Class

John Schilly • Skytrac Inc.

*Panel with Andy Pierce
Part 1 - Training on Hydraulic Components, Assemblies, Diagrams, Troubleshooting and Theories for Brake and Tension Systems.
Part 2 - Finish any topics not completed and a troubleshooting roundtable. Please bring your questions and experiences.*

D-6 The Fundamentals of Fasteners

Michelle Pesanelli • Bolt Depot

*Panel with Jason Bourque and Paige Mathewson
This is an introduction to identifying and sizing fasteners. Students will learn how to distinguish fasteners by type and materials and learn how to size them. They will learn to recognize the difference between US and Metric fasteners.*

D-7 Basic Ski Lift Math and Physics

Sid Roslund • National Ski Areas Association

*Bring a simple calculator +/- $\sqrt{\text{SQ Root}}$ (Check your cell phone)
Presenting practical math applications for ski lift technology including photos, formulas and sketches of the basic things you need to know about. Your opportunity to ask questions, discuss concepts and understand fundamentals. This course is for anyone who wants to know more about an important tool we use every day and including mechanics, supervisors, inspectors and authorities.*

D-8 SMI Snow Makers - We've Got You Covered

John Parker • SMI Snow Makers

This Hands-On session will focus on equipment maintenance tips and tricks to make sure that your equipment is ready for the season.

Class Descriptions

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Wednesday 3:00 pm Classes

E-1 D.C. Drives

Bruce Wyman • S-K-I Electric

This class will go back to the basics of D.C. Drives. You will learn the fundamentals of D.C. Drives and see the relationship between voltage, current, and speed of D.C. drives. If you have this type of Drive, a must see.

E-2 (RPD) Rope Position Detection - Doppelmayer Systems

Mike Taylor • Keystone Resort

This class will explain how proximity switches produced by Efector are utilized for haul rope location by Doppelmayer. The two methods of deropement detection (Matrix and Individual tower) will be explained, along with the troubleshooting of each system. There will be a demo of the Efector switch showing the function of the sensor.

E-3 Conveyor Safety - During Maintenance and Operations

Sam Geise • Geise Engineering

Panel with:

Conor Rowan and Pete Kavanagh, Star Lifts

Audrey Archuleta - Magic Carpet Lifts

Sam Geise will facilitate this session. Conveyor Safety and how to implement protocols, best practices, procedures to reduce the risks to maintenance and operational personnel is the main focus of this session. Too many people are getting injured while performing maintenance and routine operations on these installations.

E-6 Practical Applications of Bearings in the Ski Industry

Steve Greene • Action Bearing Company

Lifts, Groomers, Pumps, compressors, Etc. all have bearings. This will be a dialog based discussion on bearing applications in the ski industry. Bring your questions, and stories from the field for sharing.

E-7 Advanced Ski Lift Math and Physics

Michael Lane • National Ski Areas Association

Bring a simple calculator +/- % SQ Root (Check your cell phone)

This class will move beyond basics and will start with fundamental tensions, tower/sheave loading, rope angles, radial acceleration, grip slip forces, torque and horsepower requirements as a few examples. From these aspects the class then can expand on drive terminal locations, loss of tension issues, simple rigging, and lift inertia.

E-8 Lift Operations Roundtable - Where's the Cheese?

Jason Perl • Mount Snow Resort

This course will be an interactive discussion focusing on key aspects of lift operations including: maze design, line management, ticket checking, guest coaching, and more. Please come prepared to share your best practices and bring your sense of humor!

At the end of the class at 3:00pm, the discussions will continue with a beer at Christiansen's Tavern.

Thursday 8:30 am Classes

F-1 Low Voltage Control Circuits

3-Hour Class

Bruce Wyman • S-K-I Electric

We will start with the symbols of the different electrical components and start to add the lines (wires) that connect them together forming series and parallel circuits resulting in a circuit diagram. The inter action of external control devices actuating the relays contained in the above circuits combine to control the electrical functions of the lift. As more components are added the basic circuits will come to light. The protocols for the layout of circuit diagrams will be explained and how to start to trace a circuit through a drawing.

F-2 Bearing Protection for Electric Motors

Tom Leunig • Helwig Carbon Products

This session would cover how induced electrical currents cause shaft voltages that will discharge through the motor bearings of AC and DC motors. This will cause premature motor failure and increased maintenance and downtime. This is especially prevalent when motors are use with drives. We will cover what causes this problem and the solution which will reduce downtime and expensive motor repairs for ski areas.

F-3 Skytrac: Phased Lift Replacement Program

Maynard Russell • MCR Services

The financial impact of a lift replacement doesn't have to create overwhelming cash flow burden on your resort. Skytrac has created a program that steers away from complete installation to a phased lift replacement approach. The different consideration will be discussed concerning the lift replacement approach.

F-4 Introduction to Brakes - 101

Michael Lane • National Ski Areas Association

This class will look at the different types of brakes, their physical characteristics, components, nuances, and adjustments. The session then applies the different brake types as they are used on ropeways and attempts to give an overview to help you understand their operation and how they relate to the requirements of the B77.1 Standard.

F-5 Leitner-Poma of America

Customer Service Round Table

3-Hour Class

Rod Stocking • Leitner-Poma of America, Inc.

Panel with Patty and Kuseno

Leitner-Poma of America would like to provide our customers the opportunity to discuss problems, concerns, procedures, and Ideas for improvement.

This open forum discussion will be conducted By Rod Stocking, Leitner-Poma of America Service Manager. Rod requests everyone come prepared with your questions, comments and ideas for this 3 hour secession. This is your chance, don't let it pass you by.

F-6 Evacuation Planning - What's New - What's Different?

Mary Davis • ASC B77 Evacuation Subcommittee

B77.1-2017 has changes in the evacuation requirements. This session will address what has changed (and why) along with the history of the evolution of evacuation equipment and "best practices" as impacted by OSHA and other standards.

F-8 Summer Maintenance Checklist of TA Fan Guns

John Dixon • TechnoAlpin USA, Inc.

How to complete suggested maintenance checklist for "Summerization" of TA fan guns to ensure maximum performance in the fall/winter. Hands-on demonstration with TA fan in outside courtyard/base of trail. Students will gain tips for best practices for summer maintenance that will increase the longevity and maximize performance of their automated snowmaking equipment.

Thursday 10:30 am Classes

G-2 Lift Electric Roundtable

Andy Pierce • AP Electrical Service, LLC

This is an open forum for all those who practice the "Dark Art of Lift Electronics". All skill levels are welcome. We will discuss all flavors of Lifts, Snowmaking, and other electrical challenges. Please bring your questions, ideas, and anything else you would like to talk about.

G-3 How and Why Accidents Happen

Neville Sachs, P.E. • Neville W. Sachs, P.E., PLLC

A review of the common causes of accidents looking at the human errors and systematic procedures (or lack of them) that cause accidents. In the class we'll discuss a number of practices that we can take both as individuals and supervisors to reduce the probability of future accidents. Included will be some ski area examples.

G-4 ANSI B77 - What's Is In the New 2017 B77.1 Edition

Mike Lane • National Ski Areas Association

The ANSI B77.1 Standard was approved by ANSI May 11, 2017. This session will review what is new in the standard and what steps you need to take to adjust to the new standard.

G-6 9-1-1: Recognizing an Emergency

Jason Perl • Mount Snow Resort

This course will be an interactive presentation focused on recognizing medical/traumatic emergencies and how to respond in a calm and professional manner. Topics will include: suspension trauma, stroke, heart attack, heat related emergencies, and allergic reactions.

G-7 HR for Supervisors

Melissa Benoit • Jiminy Peak Mountain Resort

Supervisors often find themselves in personnel situations as a part of the daily operations. While you don't need to be an expert on Human Resource topics, you need to be aware of what you can and cannot do. We will discuss hiring interviews, discipline, and protected status (ADA, Fair Labor Standards, Family and Medical Leave Act) At the end of the session, the participant will have an understanding of employment law; know when to ask for help and how to address in the moment situations..

NEW

Vendor Reception – Wednesday Afternoon

All Ski Lifts

Larry Wollum, Owner **Table 13**
24244 State Route 37 (315) 783-4078
Watertown, NY 13601 info@allskilifts.com

Parts for Ski Lifts, Also Consulting and Modifications.

Alpin & Co. Bike Carriers

Greg Carter, **Table 32**
Greg Carter (802) 228-1659
Ludlow, VT 05149 gcarter@okemo.com

Bick Racks for Chairlifts

Artec Machine Systems

Steve Rogan, Service Eng. **Table 26**
26 Commerce Dr. (203) 484-2002
North Branford, CT 06471 rogan.steve@artec-machine.com
www.artec-machine.com

Service and parts for Ski Lift gearboxes.

Bolt Depot

Paige Mathewson, **Table 35**
100 Research Rd (866) 337-9888
Hingham, MA 02043 paige@boltdepot.com

Fasteners, nuts, bolts, screws, washers, socket products and more as well as fastener education information.

DemacLenko America

Scott DaMato, Service Mgr. **Table 14**
264 NH Route 106 (603) 267-7840
Gilmanton, NH 03237 scott.domato@demaclenko.com
www.demaclenko.com

Snowmaking Equipment

Doppelmayr USA, Inc.

Walt Read, Customer Service Tech. **Table 10**
32 Faxon Hill (801) 973-7977
Washington, NH 03280 walt.read@doppelmayrusa.com
www.doppelmayrusa.com

Design, manufacturer, and install surface lifts, fixed grip and detachable chairlifts, gondolas, aerial tramways and funiculars.

Geise Engineering

Sam Geise, President **Table 16**
375 Lincoln St (570) 490-2818
Northumberland, PA 17857 samgeise@ptd.net
www.sgeise.com

Sales and service for Mulit Lift handle tows and Magic Carpet conveyors. Also risk management reviews.

Green Mountain Control Systems

Dan Etman, Owner/President **Table 31**
21 Main St (802) 380-5515
Windsor, VT 05089 dan@gmcs.biz
www.gmcs.biz

Ski Lift electrical drives, low voltage systems, and installations.

Helwig Carbon Products, Inc.

Thomas Leunig, **Table 17**
8900 West Tower Ave (414) 354-2411
Milwaukee, WI 53224 thomas.leunig@helwigcarbon.com
www.helwigcarbon.com

Carbon Graphite brushes, brush holders, and bearing protection kits for electric motors.

High Peaks Painting, LLC

Dan Garcia, President **Table 36**
E4998 Hwy M35 (906) 399-1819
Escanaba, MI 49829 highpeakspaint@hotmail.com
www.highpeakspaint.com

Chairlift painting services

Horizon Solutions

Dan Langan, Account Mgr. **Table 27**
701 Kelly Way (585) 274-8214
Holyoke, MA 01040 dlangan@hs-e.com
www.hs-e.com

Electrical supplies, drives, motors, automation safety systems, PPE.

Kassbohrer All Terrain Vehicles, Inc.

Casey Stankowski, Sales - New England **Table 34**
8850 Double Diamond Pkwy (775) 857-5000
Reno, NV 89521
www.pistenbullyusa.com

Pisten Bully snow grooming vehicles.

Leitner-Poma of America, Inc.

Patricia Dykeman, Office Mgr.-Eastern **Table 28**
PO Box 825 (802) 746-7955
Pittsfield, VT 05762 pad@leitner-poma.com
www.leitner-poma.com

A complete line of cable transport systems including surface lifts, chairlifts, gondolas, mono metros, urban transport, trains, etc.

MND America

Mallory O'Brien, **Table 33**
63 Eagle Park East Drive (970) 328-5330
Eagle, CO 81631-2167 mallory.obrien@mndgroup.com
www.mnd-group.com

MBS Safety, snowmaking (Sufag)

Vendor Reception – Wednesday Afternoon

New Hampshire Electric Motors

Tom Bates, Sr. Field Service Engineer **Table 15**
459 Province Rd (603) 524-3729
Laconia, NH 03246 tlbates@lr.net

Motors, drives, and controls.

Skytrac, Inc.

Beth LaPointe, Business Develop. **Table 24**
PO Box 25068 (801) 972-1699
Salt Lake City, UT 84125 beth@skytraclifts.com
www.skytraclifts.com

SkyTrac engineers, fabricates and installs new fixed grip chairlifts and APM Equipment.

SMI Snow Makers

John Parker, NE Sales Rep. **Table 21**
810 Holiday Point (802) 309-0966
North Hero, VT 05474 john@snowmakers.com
www.snowmakers.com

Snowmaking equipment, consulting, engineering and construction service, energy efficient fan snowmaking equipment, low energy snowtowers and Smartsnow automation.

Star Lifts USA

Conor Rowan, Asst. Mgr. **Table 22**
PO Box 798 (603) 863-0241
Sunapee, NH 03782 conor@starlifts.com
www.starlifts.com

Sunkid products, conveyors, tows, ski school teaching aids.

Steep Management, LLC

Bob Ackland, Managing Partner **Table 12**
56 Retriever Run (802) 583-1962
Warren, VT 05674 backland@steepmanagement.com
www.steepmanagement.com

MountainOffice - asset and maintenance software for mountain ops assets.

Stevens Engineering

Ross Stevens, Owner **Table 18**
PO Box 1945 (603) 526-2493
New London, NH 03257 stevenseng@comcast.net
www.stevens-engineering.com

Passenger Ropeway Engineering

TechnoAlpin USA, Inc.

Jeff Hackett, SE Sales Mgr. **Table 23**
8465 Concorde Center Dr. (720) 895-2340
Englewood, CO 80112
www.technoalpin.com

Snowmaking Solutions

Titan Wire & Cable

David Emler, Account Mgr. **Table 11**
1105 Marietta Way (775) 356-6600
Sparks, NV 89431 david@titanwnc.com
www.titanwnc.com

Wire & Cable including: Pole Line hardware, comline, snowmaking cable

Trask-Decrow Machinery, Inc.

Rick Chapman, Technical Pump Sales **Table 25**
52 US Route 1 (207) 799-1538 x233
Scarborough, ME 04074 rchapman@tdmgo.com
www.tdmsnow.com

Snow making pumps and pump systems

Tuesday Afternoon Corn-Hole Tournament Plaza Area

Music – Snacks – Refreshments

Pick you teammate and turn in an entry at the Registration Desk.

*Teams will be drawn into the bracket.
Play to 21 or 15 minute time limit.
3-Points through the hole;
1-Point on the board;
All points count;*

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