

Virtual Summer
CONFERENCE

JUNE 27 - JULY 1, 2021





Greetings colleagues and friends!

We are so close to the upcoming conference, and like all of you, we were really hoping to be together in-person this summer, but unfortunately it wasn't possible. We are still totally stoked though to be able to invite you all to another epic virtual WMS get-together. For the 2021 Virtual Summer Conference, we are bringing in some "rare" subjects that haven't been seen at meetings for years, if ever. These should be informative, interesting, and a bit different in comparison to the classic offerings at most wilderness events. We are particularly excited that this gives those of you pursuing your FAWM a number of novel credits to round out your training.

We will again be offering the popular DiMM (Diploma in Mountain Medicine) pre-conference, and we are happy to announce that the Medicine at Sea pre-conference, which has been highly anticipated, has also finally landed! This new course is open to all, but will serve as a prerequisite for those pursuing their Diploma in Diving & Marine Medicine (DiDMM).

The conference will launch with an opening session for everyone to catch up with wilderness medicine enthusiasts from around the world, share stories, experiences, ideas, and build camaraderie. You will be able to pick your favorite beverage, hot or cold, and join in conversations from the comfort of your home, deck, mountainside, or wherever you choose.

This summer's keynote speaker is world famous climber Lynn Hill. Her pioneering hard free routes set the stage for advanced climbs that continue today. She has been described not only as one of the best female climbers in the world, but also one of the best climbers of all time. We are very excited to welcome her to our conference.

We want to remind everyone that we will still be together for this exciting conference – just not in the same location! I think we would all agree that perhaps one of the most important tenets of wilderness and austere medicine is improvisation and adaptation. We have all faced new challenges the past year and circumstances out of our control have forced us to be creative; and we think our virtual conference platform has embodied true improvisation and adaptation.

Thank you for being a part of our community, and please join us for another WMS virtual learning experience. This conference is also an opportunity to earn AMA PRA Category 1 and FAWM credits, many of which have not been available live for at least 3 years.

We look forward to seeing each of you virtually, from wherever you may be around the world! And as always, we are excited to share ideas, collaborate and form more professional and personal connections. Be well!



A handwritten signature in black ink, appearing to read "Ian Wedmore".

Ian Wedmore, MD, FACEP, FAWM,
FFSEM, FN20TEC, DiMM
2021 Virtual Summer Conference
Chair



A handwritten signature in black ink, appearing to read "Taylor Haston".

Taylor Haston, DO, FACEP,
DiMM, MPH, MS
2021 Virtual Summer Conference
Vice-Chair

Virtual Summer Conference PROGRAM OVERVIEW

The WMS annual conferences are targeted toward medical professionals who engage in wilderness activities, who counsel individuals who take part in such activities, or who practice in locations in which they are likely to encounter individuals who have been injured in such activities.

The WMS virtual conference will be an interactive format with a live chat feature, instant polls and live Q&A sessions. You'll therefore get the exceptional education that you've come to expect from the WMS to enhance your wilderness medicine knowledge and skills, and now get the added benefit of accessing this education from the comfort of your home or office. Highlights of the conference include more than 20 unique wilderness medicine presentations with CME and FAWM credit, a keynote address by Lynn Hill, "Ascending Women," plus a research and poster session, an online workout class, and a virtual exhibit hall.

Main Conference SCHEDULE

*Grey is a non-credit activity; Green is an optional workshop; White is a general session.
Times are listed in US Central time (convert your time zone at everytimezone.com).*

TIME	EDUCATION SESSION (FAWM Credit if applicable)	FACULTY
SUNDAY, JUNE 27		
10:00 AM - 12:00 PM	Opening Session, Networking & Info Session	COL Ian Wedmore, Taylor Haston
12:00 PM - 12:15 PM	Exhibitor Preview	
12:15 PM - 1:15 PM	Wellness Activity	
MONDAY, JUNE 28		
9:15 AM - 9:30 AM	Welcome	COL Ian Wedmore, Taylor Haston
9:30 AM - 10:00 AM	State of the WMS	Linda Keyes
10:00 AM - 10:45 AM	Mission to Mars: Space as the Ultimate Wilderness (09-012-0.75)	Benjamin Easter
11:00 AM - 11:45 AM	Austere Burn Care (12-014-0.75)	Michael Caudell
12:00 PM - 12:45 PM	Head Injured on the Mountain (12-032-0.75)	Emily Johnston
1:00 PM - 1:45 PM	Cases from The Guide Medical Director (03-013-0.75)	Emily Johnston
2:00 PM - 2:15 PM	Trivia (12-001-0.25)	James Lieberman
2:30 PM - 3:00 PM	Networking	
3:00 PM - 3:30 PM	Inception to Publication (14-009-1.50)	Joseph Forrester
3:00 PM - 4:15 PM	Virtual Rope Corral (\$25)	Jeremy Neskey, Michael Heth
3:00 PM - 5:00 PM	Adventuring with Children: Combining Your Profession, Your Passion AND Kid (07-010-3.00) (\$25)	Sarah Crockett
3:30 PM - 5:00 PM	Abstract Poster Session (14-011-1.50)	Joseph Forrester, Thomas DeLoughery
4:30 PM - 5:45 PM	Virtual Rope Corral (\$25)	Jeremy Neskey, Michael Heth

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TIME	EDUCATION SESSION (FAWM Credit if applicable)	FACULTY
TUESDAY, JUNE 29		
9:30 AM - 10:00 AM	Randomized Networking	
10:00 AM - 10:45 AM	WMS President Research Roundup (12-001-0.75)	Linda Keyes, Scott McIntosh
11:00 AM - 11:45 AM	Wongchhu Sherpa Memorial Hospital WMS Humanitarian Project (02-028-0.75)	Luanne Freer
12:00 PM - 12:45 PM	HAPE / HACE Cases (03-004-0.75)	Luanne Freer
1:00 PM - 1:45 PM	Wilderness Sports Injuries and Their Radiographic Findings (12-021-0.75)	Sarah Spelsberg
2:00 PM - 2:15 PM	Trivia (12-001-0.25)	James Lieberman
2:30 PM - 3:00 PM	Networking	
3:00 PM - 4:00 PM	Medical Kit from a SOF Medics Perspective (02-023-1.00) (\$25)	Ryan Christensen
3:00 PM - 5:30 PM	Oral Research Presentations (14-011-2.50)	Joseph Forrester, Thomas DeLoughery
3:00 PM - 5:30 PM	Lifts, Carries and Improvised Rescue (12-011-2.00) (\$25)	Owen McGrane, Jillian Phelps

TIME	EDUCATION SESSION (FAWM Credit if applicable)	FACULTY
WEDNESDAY, JUNE 30		
9:30 AM - 10:00 AM	Randomized Networking	
10:00 AM - 10:45 AM	Cold Weather Clothing (05-009-0.75)	Jeremy Neskey
11:00 AM - 11:45 AM	Field Sanitation (08-001-0.75)	Jeremy Neskey
12:00 PM - 12:45 PM	Field Amputation (12-016-0.75)	Anthony Johnson
1:00 PM - 1:45 PM	Lower Extremity Injuries (12-007-0.75)	Anthony Johnson
2:00 PM - 2:15 PM	Trivia (12-001-0.25)	James Lieberman
2:30 PM - 3:00 PM	Networking	
3:00 PM - 5:00 PM	Bikepacking: Essential Information for a Safe but Epic Ride (\$25)	Patrick Burns, Dave Young
3:00 PM - 5:00 PM	Battlefield Accupuncture (12-003-2.00) (\$50)	MAJ Melissa Perkins

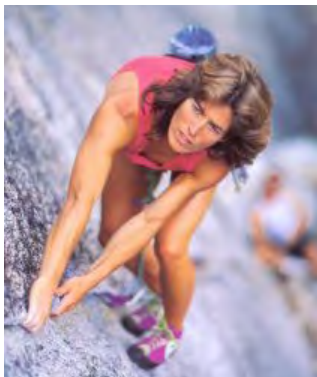


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TIME	EDUCATION SESSION (FAWM Credit if applicable)	FACULTY
WEDNESDAY, JUNE 30 (cont'd)		
3:00 PM - 3:15 PM	14ers Introductions (13-004-0.25)	
3:15 PM - 3:30 PM	14ers: Wilderness Trauma and the Pregnant Patient (13-011-0.25)	Tracy Brown
3:30 PM - 3:45 PM	14ers: Turboprop (02-022-0.25)	Thomas Powell
3:45 PM - 4:00 PM	14ers: New Technologies for Assessment of Patients in the Field (12-048-0.25)	Matthew Grossi
4:00 PM - 4:15 PM	14ers: Submarine Medicine: Lessons from the Navy's Most Austere Medical Platform (12-035-0.25)	Philip Castrovinci
4:15 PM - 4:30 PM	14ers: Preparing for Helicopter Rescue in a Remote Location (06-017-0.25)	Sophie Foxen
4:45 PM - 5:00 PM	14ers: Where the Wild Things Are: Pediatric Head Injury in the Wilderness (07-010-0.25)	Kelly Bailey
5:00 PM - 5:15 PM	14ers: Methoxyflurane Inhalational Analgesia in the Wilderness: State of the Evidence & State of the Art (12-003--0.25)	Ross Hofmeyr
5:15 PM - 5:30 PM	14ers: One Breath: Medical Complications of Freediving (01-027-0.25)	Sara Filmalter
5:30 PM - 5:45 PM	14ers: Working in High Risk Environments: Best Practices for Medical Providers (11-021-0.25)	Daniel Solchanyk
5:45 PM - 6:00 PM	14ers: Questions and Answers (13-004-0.25)	

TIME	EDUCATION SESSION (FAWM Credit if applicable)	FACULTY
THURSDAY, JULY 1		
9:30 AM - 10:00 AM	Randomized Networking	
10:00 AM - 10:30 AM	Awards Presentation & Officer Installation	
10:30 AM - 11:30 AM	Keynote: Ascending Women	Lynn Hill
11:30 AM - 12:15 PM	Virtual Exhibit Hall	
12:30 PM - 1:15 PM	Introduction to Desert Medicine	Brad Bennett
1:30 PM - 2:15 PM	Case Studies in Wilderness Survival - Would you have Survived? (05-010-0.75)	Todd Miner
2:30 PM - 3:15 PM	Whole Blood Transfusion in the Austere Environment. (12-046-0.75)	Matthew Welder
3:15 PM - 3:30 PM	Closing Remarks	James Lieberman



Keynote LECTURE

“Ascending Women”

Lynn Hill | Thursday, July 1 | 10:30 AM - 11:30 AM

Lynn Hill is a living legend. She changed the definition of what is possible in rock climbing with her first free ascent of the most famous big wall climb in the world called “The Nose” on El Capitan in Yosemite Valley, California. Over nineteen years later, Tommy Caldwell and Lynn are still the only two people in the world to have succeeded in making an all free, one-day ascent of The Nose.

Registration FEES

Includes lectures, interactive discussions, syllabus, plus virtual workout, welcome reception, awards ceremony and keynote address. All conference sessions will be held via Zoom.

REGISTRATION LEVEL	MEMBER	NON-MEMBER
Doctoral	\$375	\$495
Non-Doctoral	\$285	\$385
Resident	\$250	\$325
Student	\$200	\$225

Visit wms.org/conferences/virtualsummer21 for a detailed list of system requirements, supported devices, and other recommendations for the best connection.

CANCELLATION AND REFUND POLICY

Written notice of cancellation must reach the WMS office by Monday, May 31, 2021, in order to receive a refund, less a \$100 service fee. After that day no refunds will be given.

ACCOMMODATIONS NEEDED

The WMS is committed to treating all persons with dignity, respect, and fairness. We support and comply with the ADA. In this regard, the WMS will make every reasonable effort to reduce anticipated barriers for attendance and provide an optimal experience for every attendee. We have established speaker guidelines encouraging more inclusive presentations and have closed captioning available with all presentations. If there is additional support that you might need please reach out by phone (512) 215-4490 or email akothmann@wms.org.

FACULTY DISCLOSURE

It is the policy of the Wilderness Medical Society to ensure balance, independence, objectivity and scientific rigor. All faculty members are required to disclose any real or apparent conflict of interest related to the content of their presentation.

CME Information



The Wilderness Medical Society (WMS) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The WMS designates this live activity for a maximum of *18.75 AMA PRA Category 1 Credits™*. Each physician should claim only the credit commensurate with the extent of their participation in the activity.

EDUCATIONAL OBJECTIVES

After attending this conference, the participants will be able to:

- Understand the limitations of practicing medicine in austere environments
- Adequately prepare for practicing medicine in austere environments
- Recognize and treat common injuries and illnesses that occur in the wilderness

Academy of Wilderness Medicine

This conference offers FAWM core and elective credits. Actual credits awarded depend on personal credit needs and history. Each candidate can simulate attendance to the conference via the Eligible Activity tab (WMS 2021 Virtual Summer Conference) to know exactly how many core credits they will earn. This conference has been designated as a live event. To fulfill the requirement of attending at least "one live WMS conference," candidate must attend at least a portion of the conference live and submit all FAWM credits by August 1, 2021. (Candidates can submit FAWM credits after August 1 if they have already met the live event requirement.)

Pre-Conference COURSES

All pre-conference programs have limited enrollment to ensure the quality of the learning experience. Please register early to guarantee your space. Participants must also register for the Main Conference as content for these pre-conferences will be presented during the main conference sessions.



Diploma in Mountain Medicine (DiMM) | \$1,650



June 22-25 | 10 AM - 6 PM

Main conference registration is included in the DiMM registration fee.

This conference is designed in conjunction with the DiMM program. The DiMM is intended as continuing education for doctors, nurses, and paramedics who work in or aspire to work in austere mountain environments. The required coursework is an ideal blend of didactic and practical education in wilderness medicine, technical rescue, and self-sufficiency in the backcountry. This skill set crosses a multitude of disciplines including expedition medicine, search and rescue operations, mountain guiding, ski patrol, and mountain recreationalists. Please see the WMS DiMM web page at wms.org/education/dimm.asp for full program details and more information.

The summer WMS DiMM session will be a complete DiMM session that is facilitated through a virtual environment. Activities and skills will be managed with some required pre-recorded lectures and activities prior to the synchronous virtual event. In the end all ICAR requirements will be met and the virtual session will stand alone and not require any skills make-up.



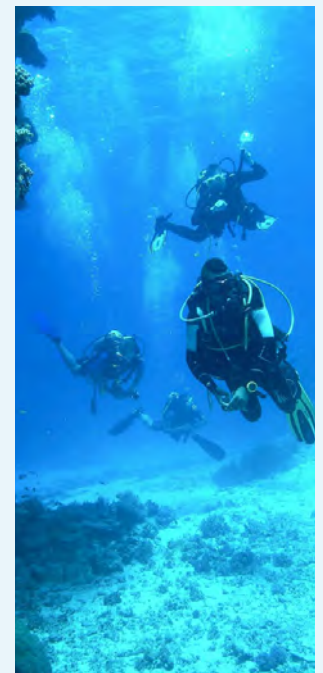
Diploma in Dive and Marine Medicine (DiDMM) | \$650

June 23-24 | 8 AM - 5 PM

The Diploma in Diving and Marine Medicine (DiDMM) is an exciting program designed to train the participant in the essentials of caring for patients in the marine environment. The participants will receive specialized training in diving physics, physiology and medicine; management of diving accidents; hazards of the marine environment; the essentials of medicine at sea; water rescue and survival techniques; and trip planning. The DiDMM is a new program offered by the Academy of Wilderness Medicine. The Wilderness Medical Society is partnering with worldwide experts to offer a first class experience.

The DiDMM is composed of three domains: Diving Medicine, Marine Medicine and Sciences, and Medicine at Sea. The DiDMM is open to candidates that possess (or will possess in the near future) a nationally recognized professional medical certification appropriate to the level of the DiDMM curriculum. These include Medical Doctor (MD), Doctor of Osteopathy (DO), Registered Nurse (RN), Physician Assistant (PA), Advanced Practice Registered Nurse (APRN), Paramedic (EMT-P), Advanced EMT (EMT-A). Other certifications may be eligible and will be evaluated on a case-by-case basis. Historically, successful candidates will also have some exposure to diving, sailing, boating, other water sports, and/or marine science.

Please see the WMS DiDMM web page at wms.org/education/didm.asp for full program details and more information.



Conference WORKSHOPS

Register for any of the following workshops when you register for the Main Conference in the Trading Post. These always sell out so don't wait to sign up!



Adventuring with Children | \$25

JUN 28 3:00 PM **Sarah Crockett**

Combining your Profession, Your Passion AND Kids! This workshop will prepare the participant to tackle new adventures with children of all ages. From simple activities like hiking and canoeing to more advanced adventures like winter camping and backcountry ski expeditions, taking kids into the wilderness can be an inspiring experience for adults and children alike.

Virtual Rope Corral | \$25

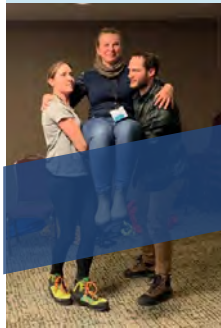


JUN 28 3:00 PM AND 4:30 PM

SOLD OUT
Jeremy Neskey, Michael Heth

Learn the classic knots for climbing and rescue.

Lifts, Carries & Improvised Rescue | \$25



JUN 29 3:00 PM **Owen McGrane, Jillian Phelps**

SOLD OUT
The presenters will demonstrate multiple methods of improvised patient evacuation transport for both individual and multiple rescuer use. Participants can utilize these techniques for improvising patient evacuation in multiple situations.



Medical Kit from a SOF Medic's Perspective | \$25

JUN 29 3:00 PM **Ryan Christensen**
SOLD OUT

A discussion and showcase of scalable Special Operations Forces (SOF) medic bags and their modular kit components; describing Tactical Emergency Casualty Care (TECC) MARCH/PAWS methodology, aid bag selection and packing rationale, and other planning considerations that can be directly applied to wilderness and austere environments.

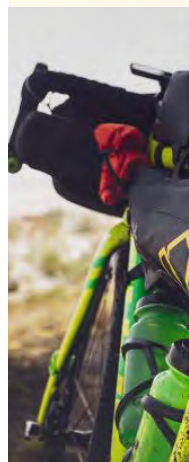
Battlefield Acupuncture | \$50



JUN 30 3:00 PM **MAJ Melissa Perkins**

SOLD OUT
The virtual Battlefield Acupuncture (BFA) Workshop will provide historical background regarding this low-cost and effective pain management protocol. Participants will learn how to use BFA virtually (with hands-on training), and review of the most up-to-date research.

Bikepacking Essential Info | \$25



JUN 30 3:00 PM **Patrick Burns, Dave Young**

This workshop will discuss all things related to bikepacking, traveling long distances and multiple days by bicycle. The instructors will highlight some strategies for route planning and gear selection. We will break down what essential medical supplies we carry with us to form an ultralight medical kit. We will conclude with potential medical problems encountered on the road by working through some scenarios.

WHAT DID ATTENDEES SAY ABOUT PAST WMS VIRTUAL CONFERENCES?

“ The virtual experience completely exceeded my expectations! I am now looking forward to attending many more actual & virtual WMS Conferences.

“ Incredible evidence-based talks! And so many extras (links, contacts, suggestions, anecdotes, etc.) in the sidelines via the Chat option.

“ The online format of this conference made it a lot less intimidating to come.

“ I am absolutely blown away by this experience. This was my first time attending and I am sincerely wowed!

“ This was my first WMS experience, and I felt very welcome. I'll be hanging around for a while - great people, great topics. See you all again soon.

“ I loved the virtual interaction - this was an amazing opportunity to still have a WMS community experience during the pandemic. The WMS community is so amazing!

“ The content was just as amazing. The topics were well chosen and the speakers excellent but what stuck out like a mile for me was the passion of the speakers.

“ You all did a remarkable job pulling this together. Very impressive!

“ Truly memorable, and despite other virtual conferences in 2020, probably my 'event of the year.'



Sign up now for the Virtual 2021 Summer Conference at wms.org/conferences/virtualsummer21