



2016



North American Orienteering Championships 2016 Hanover NH

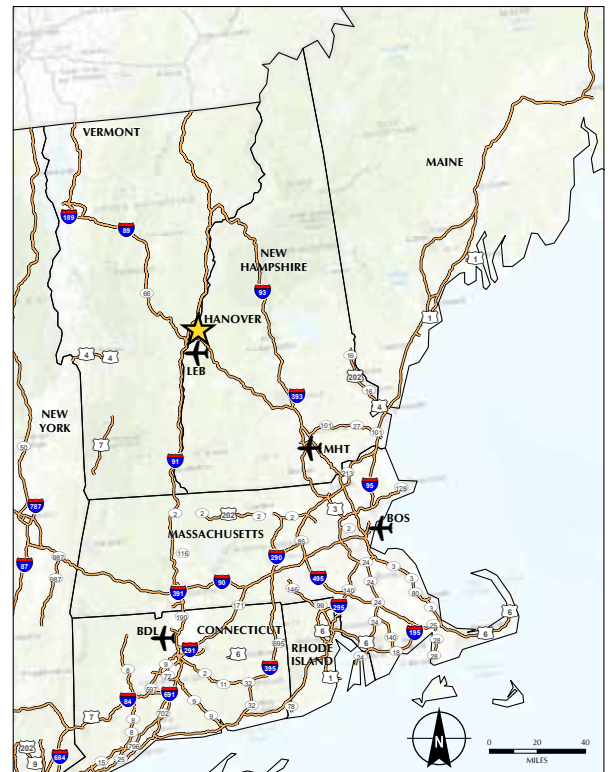
Bulletin 1





The North American Orienteering Championships (NAOC) is a biennial regional event, sanctioned by the International Orienteering Federation (IOF). NAOC 2016 will be hosted by Dartmouth College and Orienteering USA Clubs, September 23 to 25 in Hanover, New Hampshire. Hanover is located in the heart of the Connecticut River valley, three hours from both Boston and Montreal.

Passports are needed to enter the United States. For visa information, please visit the federal travel website: <http://travel.state.gov/content/visas/en.html>



Welcome to NAOC 2016

From Philip Hanlon, President of Dartmouth College

As the co-host of the 2016 North American Orienteering Championships (Sept. 23-25, 2016), Dartmouth looks forward to welcoming you! We have partnered with Orienteering USA to offer excellent orienteering on our campus and in surrounding areas. Dartmouth, a member of the Ivy League, is located in Hanover, New Hampshire, a wonderful college town with lots to offer, which is part of the Upper Valley region of New Hampshire and Vermont. New England fall foliage will be getting into full swing and with the backdrop of the Connecticut River, we are certain that you will have a wonderful time at this premier orienteering event.

From Peter Goodwin, Event Director

I am pleased to invite you to NAOC 2016, the North American Orienteering Championships. An organizing team is preparing a superb event with great courses on challenging terrain, but it is the people who come to run those courses that really make the event. Orienteering USA and many volunteers from clubs across the country are working with Dartmouth College in Hanover, New Hampshire, to bring you some memorable orienteering. Support from the college has been wonderful and they are looking forward to having the Sprint Event on their historic campus. The new and revised maps will allow for great challenges and the organizers are working hard to bring you a first class event.

Events leading up to the championships, including the US Classic Championships the weekend prior in southeastern New York and events at West Point, will allow you plenty of orienteering opportunities during the week before NAOC 2016, and the color in the Upper Connecticut Valley will be spectacular! We are looking forward to having people from across North America and from abroad come and enjoy Hanover, NH for a weekend of fun. Join us and Head for the Hills in Hanover for NAOC 2016!



Storrs Pond • Burnt Mountain • Dartmouth Campus



The North American Orienteering Championships (NAOC) 2016 encompasses three IOF World Ranking Events (WRE), the Björn Kellström Cup, and the Future Champions Cup, all on the historic Dartmouth College campus and its surrounding forests. The week before NAOC 2016 will feature O-Fest 2016, headlined by the U.S. Classic Championships and including training on some of the best regional maps.

NAOC 2016 is open to everyone, but only members of North American orienteering federations are eligible for NAOC medals, and the sprint relay is reserved for national team members. After battling it out over the four races of this event, the triumphant nation wins the Björn Kellström Cup, with the Future Championships Cup going to the winning junior national team. For more information on scoring for the Cups, please visit the website.

Website: www.NAOC2016.us

Email: pgwolfe66@gmail.com

Facebook: [bit.ly/NAOC2016](https://www.facebook.com/bit.ly/NAOC2016)

Coordinating Committee

IOF Adviser	– Stefan Bergstrom
Event Director	– Peter Goodwin
Assistant Event Director	– Donna Fluegel
Registrar	– Barb Dominie
Course and Map Coordinator	– Mark Dominie
Financial Administrator	– Darrell Scott
Public Relations Coordinator	– Janet Tryson
Dartmouth College Liaison	– Brian Kunz
Course Setters	– Glen Tryson Alar Ruutopold Linda Kohn
OUA Course Consultants	– JJ Cote David Cady Eric Weyman
Course Veters	– Ken Walker Ernst Linder Carl Childs
Orienteering USA Course Consultants	– J-J Cote David Cady Eric Weyman
Branding and Design	– Despard Design Ed Despard and Alexandra Jospe

Travel

By Car

3 hours from Boston, 5 hours from New York City, and 3.5 hours from Montreal.

By Plane

Manchester-Boston Regional Airport: Manchester, New Hampshire (MHT) - 75 miles, 1.2hr drive

Logan International Airport: Boston, Massachusetts (BOS) - 120 miles, about 2.5hr drive

Bradley International Airport: Hartford, Connecticut (BDL) - 150 miles, about 2.5hr drive

Lebanon Airport (regional): Lebanon, New Hampshire (LEB) - 15min drive. Limited service and subject to weather conditions

By Bus

Dartmouth Coach offers daily service between the Dartmouth campus and Boston's South Station and Logan Airport. Greyhound serves White River Junction, Vermont, about 5 miles (10 minutes driving time) from the Dartmouth campus.

By Train

Amtrak's Vermonter service, connecting Northern New England with New York City and Washington DC, arrives daily in White River Junction, Vermont, about 5 miles (10 minutes driving time) from the Dartmouth campus.

Registration

All registration will be through the standard EventReg system used by Orienteering USA. The link to registration is on the Registration/Fees page of the NAOC2016.us website.

M/F-21+ and M/F-20 competitors are required to enter their IOF ID. If you do not have an IOF ID, you must create an account on IOF Eventor prior to registering for NAOC.

	Adult (age 21+)	Junior (age 20 and under)
Middle	\$47	\$23
Long	\$47	\$23
Sprint	\$32	\$16

OUSA and Canadian Orienteering Federation members have fees reduced by \$4 per event (\$2 for Juniors).

Schedule of Fees

2 September - Regular registration ends. Last day to cancel and receive full refund.

3-16 September - Late fee of \$20 per competition day is in effect (\$10 for junior entries).

12 September - Last day for mailed payments; they must be received by the registrar by 16 September.

16 September - Online registration closes; no refund for cancellation after this date.

There will be no day-of entries.



Storrs Pond • Burnt Mountain • Dartmouth Campus



Program

Thursday 22 September

Middle Distance model event – Storrs Pond-Oak Hill
Long Distance model event – Burnt Mountain
Registration – Dartmouth College Campus

Friday 23 September

Middle Distance model event – Storrs Pond-Oak Hill
Middle Distance race (WRE) – Storrs Pond-Oak Hill
First starts after noon.
Long Distance model event – Burnt Mountain
Sprint Distance model event – Dartmouth College Campus

Saturday 24 September

Long Distance model event – Burnt Mountain
Long Distance race (WRE) – Burnt Mountain
First start 10:00 AM.
Sprint Distance model event – Dartmouth College Campus
Awards Ceremony and Program – Dartmouth College Campus 7:30PM

Sunday 25 September

Sprint Distance model event – Dartmouth College Campus
Sprint Distance race (WRE) – Dartmouth College Campus
First start 8:00 AM.
Elite Sprint Relay – Dartmouth College Campus
Start at noon.
The sprint relay is only open to national teams.

Competition Classes

The NAOC 2016 elite classes (M/F-21+, M/F-20) have three WRE races. North American Championship awards are for eligible North American competitors in their age class only. All competition classes are open to all nationalities.

North American Championship medals will be awarded in each age class. The classes for masters runners (age 35+) are 5-year age groups, and junior classes (age -20) are 2-year age groups. Color-coded classes are open categories.

White	Yellow	Orange	Brown	Brown	Green	Red	Blue
F-10	F-14	F-16	F-18	M65+	F-20	F-21+	M-21+
F-12	M-14	M-16	F55+	M70+	F35+	M-20	
M-10	F-Yellow	F-Orange	F60+	M75+	F40+	M35+	
M-12	M-Yellow	M-Orange	F65+	M80+	F45+	M40+	
M/F-White			F70+	M85+	F50+	M45+	
			F75+	M90+	M-18	M-Red	
			F80+	M-Brown	M50+		
			F85+		M55+		
			F90+		M60+		
			F-Brown		F-Green		
					M-Green		

Model maps will be available at registration and at each model event location.

Middle Distance Race

Storrs Pond–Oak Hill	Scale: 1:10000	5m Contour Interval	Course Setter: Glen Tryson
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Winning times will follow IOF guidelines for the WRE (30-35min). For other classes: 25-35min.

Long Distance Race

Burnt Mountain	Scale: 1:10000 1:15000 WRE	5m Contour Interval	Course Setter: Alar Ruutopold
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Winning times will follow IOF guidelines for the WRE (90-100min for men, 70-80min for women). Other classes: 30min (white/yellow), 45-50min (orange/brown), 55min (green), 70-80min red.

Sprint/Elite Sprint Relay

Dartmouth Campus	Scale: 1:4000	2m Contour Interval	Course Setter: Linda Kohn
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Winning times will follow IOF guidelines for the WRE (12-15min). For other classes: 12-15min.



Terrain

Storrs Pond–Oak Hill

This area has typical New England forest, mostly deciduous, with some rock features and varied topography. The terrain has a cross country ski trail network, and some previously cleared downhill skiing slopes.

Burnt Mountain

Burnt Mountain features typical New England forest, with more conifers than Storrs Pond-Oak Hill. The terrain shows more of a glacial profile with more rock features and intricate contour detail. In places, there is rocky footing and there are few major trails. There is quite a bit of vertical relief. You may encounter mountain bikers in the woods.

Dartmouth College Campus

The Campus has some wooded areas surrounding a mix of buildings and grassy quadrangles. Significant hills exist within the wooded areas.

Lodging

Book lodging early, because NAOC2016 coincides with the popular fall foliage season and there will be competition for rooms.

Camping is available at Storrs Pond (adjacent to Middle distance map), exclusively to NAOC attendees. Sites can hold up to 10 people. More information is available on the NAOC2016 website. Registration for these campsites is separate from the event registration, and can be arranged via email.

Orienteering USA has arranged special rates at the following hotels:

Hampton Inn, White River Junction, VT – (15min from Dartmouth Campus)

Group rates are available for Thursday night, September 22 through Saturday night, September 24 at \$159 per night for singles and doubles plus tax, \$10 additional per person per room per night. Call the hotel directly at 1-802-296-2800 and ask for the “Orienteering” rate by August 23. A portion of each room night sold goes to support Orienteering USA.

Hampton Inn, Rutland, VT – (80min from Dartmouth Campus)

Group rates are available for Thursday night, September 22 through Saturday night, September 24 at \$154/night for a standard room plus tax. Call the hotel directly at 1-802-773-9066 or toll free at 1-866-387-9066 and ask for the “Orienteering” rate by August 22. A portion of each room night sold goes to support Orienteering USA.

Six South Street Hotel, Hanover, NH – (5min from Dartmouth Campus)

Group rates are available for Thursday night, September 22 through Saturday night, September 24 at \$189/night plus tax, parking and gratuity. Call the hotel directly at 1-603-642-0600 and ask for the “Orienteering” rate by August 22.

Embargoed Areas

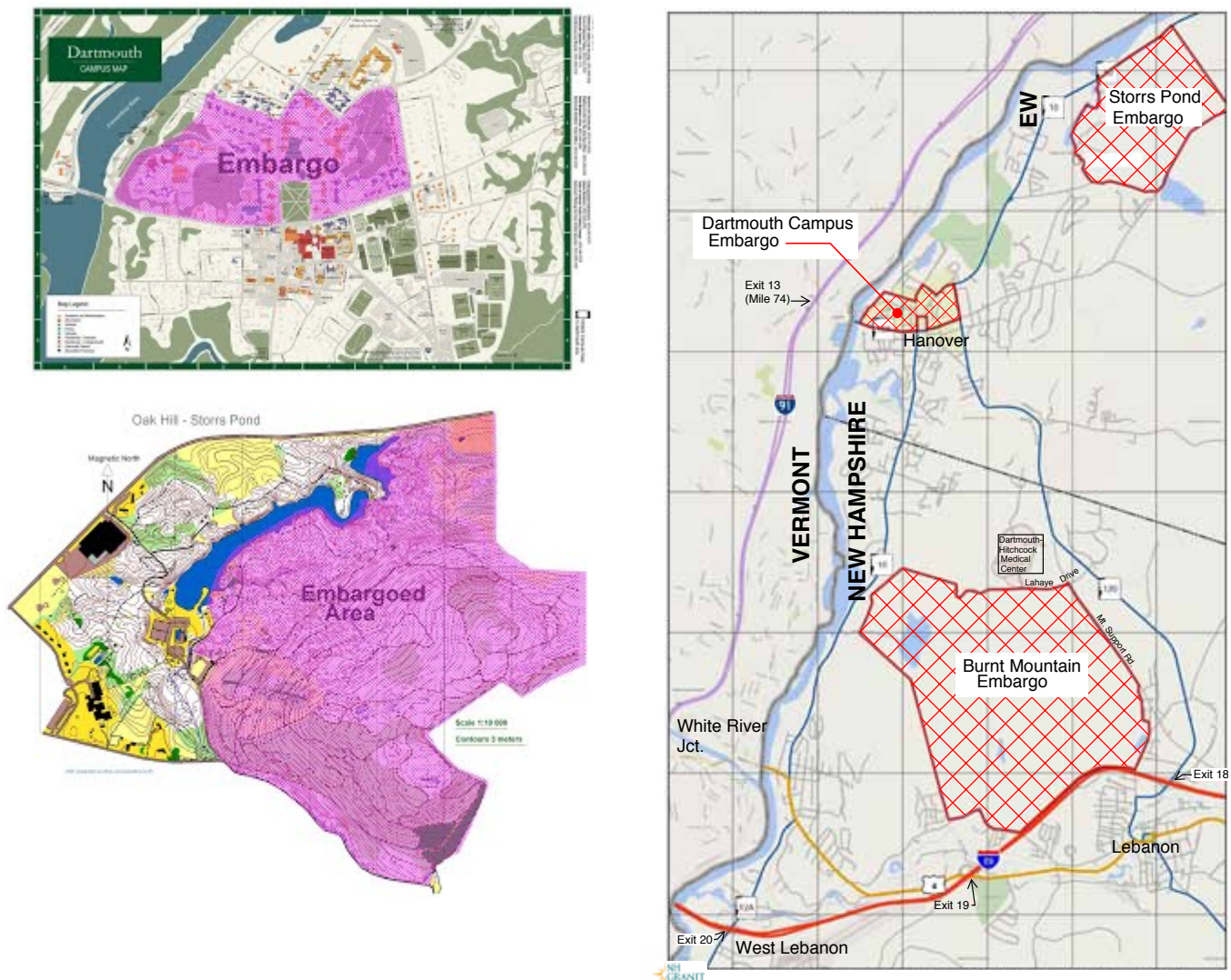
The Storrs Pond–Oak Hill area is an active cross country ski area with frequent races. The embargo of this area does allow for racers (not coaches) to ski during their races in this area although they may not have a map of any kind in their possession. No training is permitted in the embargoed areas and coaches may not enter the area to assist skiers except in a medical emergency.

The Dartmouth Campus is embargoed as shown in the map below. Competitors are allowed in the area until 4 pm Saturday, September 24, 2016. However, no training with a map or route choice testing by competitors, coaches or supporters is allowed at any time prior to the event.

Dartmouth students competing in the event who are living on campus and traveling between their dorms, dining and the competition arena are exempt from the embargo, although training with a map and route choice testing in the embargo area is not permitted. They are expected to use direct routes from point to point (dorm to dining hall for example) after 4 pm on Saturday.

Burnt Mountain is entirely embargoed.

The embargo extends not only to competitors, but also to any coaches, team officials, supporters, or anyone else who could provide them any information regarding the map or mapped area.



Storrs Pond • Burnt Mountain • Dartmouth Campus



Meals

Food will be available for purchase at the arena from local food trucks. There will likely be some sponsor representatives on site, and LLBean with their infamous Boot Truck, as well as orienteering equipment vendors. If you are interested in obtaining a vendor permit, please contact Peter Goodwin.

Dinner on Saturday September 24 (5:30-6:30pm) may be reserved through Event Register and will be held at the Dartmouth College Dining Hall, Hanover; all you can eat for \$17 per adult, \$8 per child 12 and under (no charge for infants). Options for restricted diets will be available. The Awards Ceremony and Program will follow at 7:30pm, at a separate location on Dartmouth College campus to be announced.

Merchandise

Teeshirts and buffs will be available for purchase at time of registration. Merchandise will also be available in limited quantities and sizes at the event site.

	Price
Men's and women's cotton blend	\$15
Youth cotton	\$15
Technical shirt	\$18
Bufs	\$7

Babysitting

Due to insurance regulations at Dartmouth College, the organizers cannot provide child care. We will make every effort to adjust start times to allow for parents to take care of their children, but runners in the WRE classes have no flexibility in their start times and should make other arrangements as necessary.

Punching System

This event will use the SportIdent (SI) electronic punch system for all events. Please record your SI punch number when you register. Rental SI sticks will be available at \$2 per competition day. Competitors who do not return their rental SI sticks will be charged a \$50 replacement fee.

O-Fest 2016

O-Fest 2016 combines the US Classic Championships (Ward Pound Ridge, NY, 17-18 September) with a week of self directed orienteering training at some of the best maps in New York and New England.

Program

September 16 - informal training near Ward Pound Ridge Reservation

September 17-18 - US Classic Championship Event, Ward Pound Ridge Reservation, Cross River, NY

September 19 - informal training at Mountain Lakes State Park, South Salem, NY

September 20-21 - informal training at West Point Military Academy and surrounding maps

Detailed information on these events will be available on the Orienteering USA website:

<http://www.orienteeringusa.org/>

For additional training, there are a number of permanent courses between NY and NH, which will be made available before NAOC 2016. Not far from the US Championship event is Harriman State Park, site of WOC93; its maps are still relevant, and offer a unique challenge and training opportunity.

Model events will be available on unused parts of each of the competition maps before the events, outside of the embargoed areas. These maps will be provided at the model event areas at no charge. Directions to model events will be provided when the areas are finalized.

Existing Maps

Previously used maps of Storrs Pond-Oak Hill and Burnt Mountain can be found on the NAOC2016.us website and downloaded as needed. Look for download links at the bottom of the Maps page. These maps are embargoed areas and no entry by competitors is allowed. Both maps have been completely updated so these old maps only give an approximation of the event areas. There is no existing map of the Dartmouth Campus but model maps will be available before the competition.

Head for the hills in Hanover

Dartmouth

