HAROLD N EYSTER

Address: 2723 West 33rd Avenue, Vancouver, BC V6N 2E9

 $\begin{tabular}{ll} Telephone: 734-719-0359 \\ Email: harold.eyster@ires.ubc.ca \end{tabular}$

EDUCATION

B.A., Environmental Science and Public Policy (High Honors)	May 2016
Harvard University	Cambridge, MA

Graduation Honors: Magna Cum Laude

Thesis: Invader Success and Changing Climate: Comparisons in the Native and

Introduced Range of Seven Plant Species Adviser: Dr. Elizabeth Wolkovich

Ph.D., Resources, Environment, and Sustainability

The University of British Colubmbia

Adviser: Dr. Kai Chan

In progress Vancouver, BC

RESEARCH AND WORK EXPERIENCE

Research Assistant – avian camouflage, pigmentation, vision, and evolution with Dr. M. C. Stoddard	2013-
Harvard University Department of Organismic and Evolutionary Biology and Princeton Department of Ecology and Evolutionary Biology	
Research Assistant – augmented reality in environmental science pedagogy with Dr. Loch Brown Geography Department, University of British Columbia	2016-17
Research Assistant – temporal community ecology with Professor Elizabeth Wolkovich Harvard University Department of Organismic and Evolutionary Biology and Arnold Arboretum	2014-16
Conservation Bird Artist	2014
Fundacion de Conservacion Jocotoco (Ecuador)	
Wildlife Field Technician – conducted field surveys of Great Gray Owls and Peregrine Falcons Yosemite National Park, US National Park Service	2012
Intern – conducted prescribed burns, removed invasive species, collected native seeds, etc. Natural Area Preservation, Division of the City of Ann Arbor, MI	2009-10
Intern – researched concentrated animal feeding operations and helped design the 2009-10 Michigan Environmental Briefing Book	2009
Michigan League of Conservation Voters, Ann Arbor, MI	

TEACHING EXPERIENCE

Teaching Assistant –ENVR 200: Introduction to Environmental Science	2016-17
Dept. of Earth, Oceans, and Atmospheric Science, University of British Columbia	
Substitute teacher – Honors Physics and Introduction to Physics.	2011-12
Chelsea High School	
Physics Tutor	2011
Chelsea High School	

Instructor – plant identification and awareness activities Michigan Friends Center Living 2009 Lightly program Touching Nature Feeding Spirit

Instructor – Foxwalking, plant identification, and natural string making *Ann Arbor Peace* 2005-6 *Camp*

AWARDS

International Doctoral Fellowship	CAD \$131,248	2017-21
Faculty of Science Graduate Award, University of British Columbia	CAD \$4000	2016
International Tuition Award, University of British Columbia	CAD \$6400	2016 - 18
Harvard University Center for the Environment Undergraduate Summer Reservand	earch \$1000	2015
Harvard College Undergraduate Res. Fund	\$3000	2015
Dean's Student Life Fund conference travel grant	\$500	2015
David Rockefeller Intl Experience Fund	\$5500	2014
Isobel L. Briggs Travelling Fellowship Fund for	\$6500	2015
Michigan Botanical Club HVC Scholar		2012
Winner, Vector Field Challenge, Applied Math 21a, Harvard College		2012
Washtenaw Audubon Society grant to attend a scientific conference	\$200	$2\ 012$
World Atlatl Champion, youth division		2009
American Birding Association Young Birder of the Year		2009

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Stoddard, M. C., Kupán, K., Eyster, H. N., Rojas-Abreu, W., Cruz-López, M., Serrano-Meneses, M. A., & Küpper, C. (2016). Camouflage and Clutch Survival in Plovers and Terns. *Scientific Reports*, 6(January), 32059. Retrieved from http://www.nature.com/articles/srep32059 doi: 10.1038/srep32059

OTHER PUBLICATIONS

- Chan, K., and **Eyster**, **H. N.** F1000Prime Recommendation of [Ricketts TH et al., *Nat Commun* 2016, 7:13106]. In F1000Prime, 03 May 2017; DOI: 10.3410/f.726822331.793528738.
- Eyster, H. N. (September 3, 2016) Backpacking Through Europe Looking for Weeds. *Temporal Ecology Blog* Barnes, B. V., Dick, C., Gunn, M. (2015). Shrubs of Michigan. University of Michigan Press: Ann Arbor, MI. Served as editorial assistant to co-author Burton V. Barnes.
- Eyster, H. N. (2015). Introduction to the Second Issue. Harvard College Review of Environment & Society, 2, 4
- Eyster, H. N., Thorpe, D., et al. (2015). How Does Nuclear Energy Work?: A Brief Scientific Introduction. Harvard College Review of Environment & Society, 2: 5-7
- Eyster, H. N. (August 19, 2014). Painting the birds of Buenaventura. *Bird Calls*. http://abcbirds.org/painting-the-birds-of-buenaventura/
- Eyster, H. N., Dong, J. (Spring 2014). Introduction to the Inaugural Issue. Harvard College Review of Environment & Society, 1, 3
- Dong, J., & Eyster, H. N. (Sep 12, 2013). Op-Ed: Redefining Sustainability. The Harvard Crimson
- Eyster, H. N. (Spring 2013). The benefits of being different. Harvard Science Review. 26:2

- Eyster, H. N. (Fall 2012). Helping the earth by helping yourself. Harvard Science Review 26:1
- Eyster, H. N., Round, C. O., Kerr, O. T. (Nov 14, 2012). Vote to Divest. The Harvard Crimson
- Eyster, H. N. (January 2011). MacGillivrays Warbler: the name that shouldnt be. Birding
- Eyster, H. N. (January 2011). Quizmaster. Birding
- Swales & Feak. (2011). Creating Contexts: The Writing of Introductions. Univ. of Michigan Press: Ann Arbor, MI. Contributed illustration.
- **Eyster, H. N.** (Saturday/Sunday, Dec. 4 5, 2010). Letter to the Editor Spend Your Audubon Money on Habitat. *The Wall Street Journal*
- Eyster, J. P (author), **Eyster, H. N.** (illustrator). (2009). The Slow Race. Camden Rose Press: Ann Arbor, MI
- Eyster, H. N. (May 2009). Field Sketches and essay. Birding
- Eyster, H. N. (March/April 2011). Barred Owl sketch accompanying WAS Owl Prowl Report. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (May 2010). Tuesday Evening Birders: May 4. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (May 2010). Great Texas Birding Classic coauthored with Andy Johnson. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (September 2009). Big Day on a Bike. Washtenaw Audubon Society Newsletter
- **Eyster, H. N.** (May 2009). Tuesday Evening Birders Kicks off 2009 season (accompanied by Great-horned Owl photo). Washtenaw Audubon Society Newsletter
- Eyster, H. N. (January 2009). Salem Landfill trip report (accompanied by photo). Washtenaw Audubon Society Newsletter
- Eyster, H. N., & Johnson, J. A. (January 2009). January Big Day Results. Washtenaw Audubon Society
 Newsletter
- Eyster, H. N. (January 2009). A trip to Magee Marsh. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (September 2008). American Lady Butterfly photo. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (September 2008). Birding North Dakota (Accompanied by photos and sketches). Washtenaw Audubon Society Newsletter
- Eyster, H. N. (July 2008). Box Turtle photo. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (July 2008). WAS Arb Walk, May 15. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (April, 2008). Quetzals. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (January 2008). Magpies. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (November 2007). Spotted Towhee? Washtenaw Audubon Society Newsletter
- Eyster, H. N. (September 2007). Bluebill (accompanied by sketch). Washtenaw Audubon Society Newsletter
- **Eyster, H. N.**(May 2007). Photos of a pair of Spruce Grouse and a Red Crossbill. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (March 2007). Great Blue herons accompanied by sketches. Washtenaw Audubon Society Newsletter
- Eyster, H. N.(2006). Canada Geese. Washtenaw Audubon Society Newsletter
- Eyster, H. N. (2006). Red-winged Blackbirds. Washtenaw Audubon Society Newsletter
- **Eyster, H. N.**. Beekeeping (published by Devon Beekeepers Assoc, UK) (March 2006). Front cover photograph. Vol. 76, No. 3.
- Eyster, H. N. (June 2010). Sketches and illustration Winging It (bimonthly newsletter of the American Birding Association)
- Eyster, H. N. (April 2009). Bird drawings accompanying an article on the Young Birders Contest. Winging It
- Eyster, H. N. (2007). Dogbane, Flytraps, and Metallic Beetles in the Park (accompanied by ink drawing Wild Ones Journal (published by Wild Ones, a national non-profit organization that promotes biodiversity and environmentally sound practices)
- Vilag, A., and **Eyster, H. N.** (May/June 2011). Photo of Spruce Grouse accompanying essay by A. Vilag. *Jack Pine Warbler* (newsletter of the Michigan Audubon Society)
- Eyster, H. N. (January/February 2011). American Birding Association Young Birder Opportunities (accompanied by drawing of an Eastern Towhee)
- **Eyster, H. N.** (Summer 2007). Dogbane, Flytraps, and Metallic Beetles in the Park (accompanied by ink drawing). *Natural Area Preservation Newsletter*
- Eyster, H. N. (Winter 2008). Photo of Differential Grasshopper. Natural Area Preservation Newsletter
- Eyster, H. N. (Winter 2009). Photo of Bur Oak. Natural Area Preservation Newsletter
- Eyster, H. N. Summer 2007). Photo of Spreading Dogbane. The Lookout (Michigan Sierra Club Newsletter)
- Eyster, H. N.. (September 2008). Pen drawing. Arisaema (publication of the Michigan Botanical Club)

Eyster, H. N. (Septebmer 29, 2007). Color out of thin air. The Chelsea Standard

Eyster, H. N. (Septebmer 6, 2007). Why are there seagulls in the Pamida parking lot? The Chelsea Standard

Eyster, H. N. (May 29, 2008). Chelsea's Bird Bonanza. The Chelsea Standard

Presentations

ACADEMIC ORAL PRESENTATIONS

Eyster, H. and Chan, K. A framework for using eBird observer data to model human values 2017

for bird conservation

East Lansing, MI

Joint meeting of the American Ornithological Society and the Society of Canadian Ornithologists

Eyster, H. Rothschildia (Saturniidae) transparent 'windows' function to mimic avian predator, 2015

not to aid in dead leaf camouflage

Baltimore, MD

100th meeting of the Ecological Society of America

Eyster, H. Tolmies MacGillivrays Warbler: the story of a name

91st meeting of the Wilson Ornithological Society

Geneva, NY

2010

INVITED TALKS

Chan, A., Eyster, H., and Franta, B. Fossil Fuel Divestment in Your Community 2013

Connecting For Change Conference New Bedford, MA

Eyster, H. Improving your Field Notes 2011

Biggest Week in American Birding

Lake Erie, OH

Eyster, H. How to Take Field Notes 2011

Michigan Audubon Societys Tawas Point Birding Festival

Tawas Point, MI

Eyster, H., and Johnson, A. Birding Ecuador 2011

Washtenaw Audubon Society Ann Arbor, MI

Eyster, H. Adventures of a Young Birder 2011

Oakland Audubon Society Oakland County, MI

Eyster, H. Extreme Birding
Washtenaw Audubon Society
Sept. 2010
Ann Arbor, MI

Invited keynotes

Eyster, H. The Indispensable Notebook: the how and why of taking successful field notes 2010

Fourth Annual Ohio Young Birders Conference

Cincinnati, OH

Presented lectures

Eyster, H. "Ecological Succession in Southeast Michigan" 2009

School of the Environment, Peking University Graduate SchoolShenzhen Shenzhen, China

OTHER CONFERENCES ATTENDED

World Recreational Fisheries Conference 2017

Victoria, Canada

International Compassionate Conservation Conference 2017

Sydney, Australia

Interviews

Harvard Office for Sustainability interview on founding the Harvard College Review of Environment & Society, with Daniel Dong

Featured on International Conversations at Peking University, Shenzhen, PRC	2009
Where do the Children Play? - PBS Television Special. Selected for in-depth interview on this	2007
TV program concerning the importance of outdoor activities for children	
Featured on the Around Town with Linda television series	2003

Leadership

Trustee , Canadian Union of Public Employees Local 2278 (TAs) University of British Columbia	2016-17
PhD representative and Director of Community Engagement, Resources, Environment, and Sustainability Student Society, University of British Columbia	2017-18
Co-Founder and Co-Editor-In-Chief, Harvard College Review of Environment & Society	2013-15
Co-Founder and Field Trip Organizer, Harvard College Naturalists Club	2014-16
Mens Captain, Harvard College Running Club	2014-16
Wall Staff, Harvard Bouldering Wall	2014-16
Assistant Director for Sustainability, Harvard National Model United Nations	2013-14
Policy Chair, Harvard Environmental Action Committee	2012-13
Communications Director, Divest Harvard	2014
Media Director, Divest Harvard	2013
Artist, Michigan Botanical Club/Huron Valley Chapter	2007-12
Field trip Leader, Michigan Botanical Club and Washtenaw Audubon Society	2005-12
Field Trip Leader, Arc of Appalachia Preserve System	2012
Drum Major, Chelsea High School Marching Band	2011-12
Secretary, Venture Crew 412	2010-11
Co-founder and counselor, Blue Heron Nature Camp, a camp for children to learn about wildlife,	2005-06
plants, & nature crafts	

Tests

SAT II Math II test	800
SAT II Physics test	800
Composite ACT	33
GRE Verbal Reasoning	170
GRE Quantitative Reasoning	161
GRE Analytical Writing	5
AP Physics CMechanics	5
AP Physics CElectricity & Magnetism	5
AP Microeconomics	5
AP Macroeconomics	5
AP Biology	5
AP Statistics	5
AP Calculus BC	5
Completed Dale Carnegie Training with 100% attendance, earning 4.8 continuing education units (2009)	

Proficient in: Spanish, MatLab, R, Stan, ArcGIS, LATEX, ImageJ, OceanView, Adobe InDesign, Adobe Photoshop, & spectrophotometry

Environmental/wildlife monitoring

Bird Surveyor International Migratory Bird Count	2004-12, '17
Bird Surveyor International Migratory Bird Count	2006-12
Bird Surveyor Christmas Bird Count	2004-08, '12
Area Leader Christmas Bird Count	2015
Bird Collisions Surveyor Canadian Wildlife Service, Vancouver, BC	2017
Point Count surveyor WildResaerch, Iona Island Bird Observatory, Richmond, BC	2017
Bird Surveyor Owl Survey, Michigan Bird Conservation Initiative	2011
Point Count Surveyor Ann Arbor Breeding Bird Survey, City of Ann Arbor, MI	2005-11
Bioreserve Surveyor Huron River Watershed Counsel	2008
Monitored Mill Creek for two years using a Secchi Disk to determine turbidity following rainfall. Identified populations of fresh water invertebrates to establish the health of the Huron river.	

ATHLETICS

WORLD ATLATL ASSOCIATIONS ANNUAL YOUTH DIVISION RANKING

World Champion	2009
6th place	2008
3rd place	2007
4th place	2006
5th place	2005
6th place	2004
9th place	2003

EXPERIENCE AS AN ATLATL INSTRUCTOR

Great Lakes Primitives Gathering	2004-09
Huron Valley Archeological Society Conference	2004-05
Michigan State Outdoors Festival	2005
Michigan Nature Skills Conference	2004-05

SAILING

Member, Harvard Varsity Coed Sailing Team Sailed a 24 foot handmade wooden sailing yacht more than 200 miles in the San Juan and Gulf	2012-13 2009, '12-'13
Islands	
Sailed a 34 foot sailing yacht in the San Juan Islands	2010-11
Sailed a 4-20 sailing dinghy more than 100 miles in the San Juan Islands	2008

Sailed a 4-20 sailing dinghy more than 70 miles in 2007

the San Juan Islands

Sailed a 34-foot sailing yacht in the San Juan and $\;$ 2003

Gulf Islands

Running: Completed 9 ultra-marathons and 4 marathons

Big A 50K Trail Race, 2nd place 5:15–2016

Dont Run Boston Blue Hills 50 mile Race, 2nd 2015

place

Chelsea Marathon 2010, '11

Raced in Great Lakes Relay from Lake Huron to 2011

Lake Michigan

36-mile winter trail run, Waterloo, MI 2010, '11,'12,'14, '16

NATURE SKILLS

Cattail basket making, Cattail mat making, Animal tracking, Bow drill fire making, Natural fiber cordage making, Deer hide tanning, Leather craft. Atlatl and dart making, Flint knapping, Birch bark craft, Natural shelter making, Tipi construction, Basket making, Hand-dug clay pottery, Soapstone animal carving, Edible plant identification and food preparation.

Participant, Great Lakes Primitive Gathering [Bois Blanc Island] (2001-07, 2009)

Embossed copper Magpie and Hummingbird Hammered and annealed copper bowl Hand forged steel awl for leatherwork

BIRDING CONTESTS

American Birding Association Young Birder of the YearContest

Of my field journals, David Allen Sibley, author and illustrator of the most-comprehensive field guide to birds of North America and an ABA judge, wrote: I score this the best journal because of the quality of observation, because its obvious that you are out in the field, actually sketching on the spot. Your passion for watching comes through on every page, and thats what makes the drawings so special. Great work!

1st place	Young Birder of the Year Contest	2009
1st place	Illustration module	2007
1st place	Illustration module	2008
1st place	Illustration module	2009
1st place	Field notebook module	2008
1st place	Field notebook module	2009
1st place	Writing module	2009
2nd place	Young Birder of the Year contest	2008
2nd place	Young Birder of the Year contest	2007
2nd place	Field notebook module	2007
2nd place	Photography module	2009
Honorable	Photography module	2007
mention		

	Honorable mention	Writing module	2007			
Science Olympiad						
	1st place	Ornithology, Clio Invitational, High school Science Olympiad	2010			
	1st place	Ornithology, Michigan High School Science Olympiad Regional Competition	2010			
	1st place	Ornithology, Michigan High School Science Olympiad State Competition	2010			
	1st place	Forestry, Michigan High School Science Olympiad Regional Competition	2012			

Selected to compete in the Great Texas Birding Classic on the American Birding Associations Tropicbird Team, seeing 207 species on the Upper Texas coast in a 24-hour period, earning the 2nd place.

Current record holder (with Mike Sefton, Dea Armstrong, and Andy Johnson) for a January Big Day in Washtenaw County, MI Recorded 120 species in Greater Boston Big Day while only using public transportation (2014) Along with Andy Johnson, won a Big half Day birding Race at Magee Marsh, OH, winning a birding trip to Ecuador (2010)

THEATER

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Long John Silver Treasure Island	2011
Rainbow Players Theater Company	
Lost Boy Peter Pan	2000
Old Mill Players	

Music

Trumpet, Harvard-Radcliffe Orchestra, the oldest symphonic orchestra in the US	2012-13
${\bf Trumpet\ and\ founding\ member,\ Harvard\ River\ Charles\ Ensemble,\ a\ conductor-less\ 30-piece\ chamber\ orchestra}$	2012-15
Trumpet, Harvard Veritas Mariachi Band	2013
Trumpet, Harvard University Band	2012
Selected from across the state of Michigan to be a member of the Michigan State Band and Orchestra Associations Michigan All-state Band and perform at the Michigan Music Conference	2011
First chair trumpet, Chelsea High School Wind Symphony, CHS Marching Band and CHS Symphony Orchestra	2009-12
Trumpet section leader for the Chelsea High School Marching Band	2008-11
Michigan District 12 Solo and Ensemble Competition Superior Rating	2008, 2010-12
Michigan State Solo and Ensemble Competition Superior Rating	2008, 10-12
Organized and performed principal trumpet in a Brass Quintet	
Nominated to play at Michigan Youth Arts Festival	2011-12
Performed on WLNSTV Lansing, MI	2011
As an eighth-grader, performed with the Chelsea High School Wind Symphony at the Michigan Music Educators Annual Conference at DeVos Performance Hall, Grand Rapids, Michigan	2008
Chosen to perform Taps at Chelsea Memorial Day Ceremony	2009-12
Chosen to perform the horse whinny in Leroy Andersons Sleigh Ride in High School Winter Concert	2008, 2010-11
Private Trumpet Lessons	2001-11
PIT ORCHESTRA	
Trumpet Little Women	2013
Harvard University	
Trumpet The Mikado Harvard Gilbert and Sullivan Players	2012
Principal trumpet Once upon a Mattress Chelsea Theater Guild	2011
Principal trumpet Bye Bye Birdie Chelsea Theater Guild	2010
Principal trumpet Cinderella Chelsea Theater Guild	2009
Trumpet fanfare A Midsummer Nights Dream Chelsea Area Players	2008
Trumpet Sound of Music Chelsea Area Players	2007

CREATIVE ARTS

Proficient in acrylics, gouache, watercolors, pastels, pencil, ink, and photography, etc. Artwork has been displayed across the US. See http://www.eyster.com

Artist, painter from life of every species of bird Ive seen more than 1000 species

Artwork has been displayed at:

Green Point Environmental Learning Center, Saginaw, MI

Bay City State Recreation Area, Bay City, MI

Andrews Gallery of Wildlife Art at the Ella Sharp Museum, Jackson MI

William Bonifas Arts Center, Escanaba, MI

Department of Natural Resources, University of Michigan

Harvard University

Paintings of birds on birch bark sold:

Dexter Pioneer Fair (2009, 2011)

Art on the Farm (2009, 2011)

Received Special Congressional Recognition in art competition of Michigans 7th Congressional District (2010) Award winner in the University of Michigans School of Natural Resources Whos Who in Nature Postcard Contest (2010)

State junior Duck Stamp Competition awards:

First place (2008)

First place (2007)

Second place (2006)

Chelsea Community Fair:

First place for artwork 1997-2011

Four time State Fair Winner

Two time Youth Champion

Cover art, Michigan State Botanical Club Foray (2007, 2012)

Artwork, Handout publicizing the Michigan Botanical Clubs mini-foray to the University of Michigan biological station (2009)

PHOTOGRAPHY

Natural Area Preservation annual photo contest:

1st place 2006, 2007, 2009

2nd place 2008

Displayed in the 1st and 3rd annual NAP calendars (2007, 2009)

Photos featured in the poster for Living Lightly: Touching Nature, Feeding Spirit (2009)

Four inside photos and back cover of the 2009-2010 Environmental briefing Book, a book published by the Michigan League of Conservation Voters and given to all members of Michigan House and Senate

${\bf WOODCRAFT}$

Selected to hand carve a wolf head that was presented by The Wolf Pack to U.S. Representative John Dingle (2009)

Hand carved basswood birds sold at Dexter Pioneer Arts Fair (2008)

State Fair Award for bird carvings 2002, 2005, 2007

Hand-carved Christmas ornaments, sold the Rudolf Steiner Holiday bazaar (1998-2001) and Darwin glass Christmas Bazaar (2000)

Hand carved animals on wheels sold at the Rudolf Steiner Holiday bazaar (2002). And at the Darwin glass Christmas bazaar (2002)

Mountain Dulcimer (State Fair Award)

Musical instruments:

Hide drum, Lion-headed zither, rawhide rattles, Bull Roarers (sold at Quiet Water Symposium-2005)

Handmade Lakota style Flutes sold at:

Dundee fall craft festival (2003)

Rudolf Steiner Holiday bazaar (2004, 2005)

Dexter Pioneer Arts Fair (2006, 2007)

SERVICE

Volunteer Mentor, Planting Science	2017
Volunteer judge, Greater Vancouver Regional Science Fair	2017
Volunteer, Y2Y youth homeless shelter	2016
Overnight volunteer, Harvard Square Homeless Shelter	2015-6
Volunteer at Silver Maples, local retirement community	2009
Volunteer at the Alpha House, Ann Arbor, MI	2008
Volunteer, Chelsea Community Library	2008
Volunteer, Chelsea Community Fair	2004-08
Volunteer, Chelsea Christmas parade	2007-10
Caroler, Chelsea Retirement Community	2007
Trumpet performer, Saint Louis Center	2006
Volunteer, Chelsea Tree Lighting Ceremony	2005-06