

# The Bedford Audubon Society Newsletter

Volume 56, Number 4, Winter 2006/2007  
Celebrating 93 Years of Conservation 1913-2007

## DNA Bar Coding as a Method of Plant Identification

With Kenneth M. Cameron, Ph.D.

The Lewis B. and Dorothy Cullman Program  
for Molecular Systematics Studies, The New York Botanical Garden

December 6, at 7:30 p.m.

Katonah Village Library, Bedford Road, Katonah



The familiar black and white bar code label that is present on most commercial products can also be used to differentiate species of plants from one another. Such a genetic identifier is known as a “DNA bar code.” The advantages of a DNA bar code include the possibility of identifying an organism from only a small fragment of tissue rather than requiring the entire organism. It also works at all stages of life, from seed to adult, and can unmask look-alike species.

Dr. Cameron’s lecture will focus on the groundbreaking research into plant DNA bar coding exemplified by the more than 50 different species of *Vanilla* (Orchid family) from around the world. Each *Vanilla* species has a unique DNA sequence, and these DNA bar codes allow for easy identification of the plants from just a small fragment of leaf, stem, or fruit tissue. The same technique is now being evaluated for its application in identifying the native and naturalized flora of the northeastern United States. It is also used in other fields including ornithology and entomology to differentiate between species and to determine evolutionary history and relationships between species.

**Dr. Ken Cameron** is recognized as an authority in the field of molecular plant systematics, especially as applied to the taxonomy and study of evolution within the orchid family as a whole, and the orchid subfamily *Vanilloideae*, in particular. He has a talent for presenting scientific concepts in a manner that is easily understood by the layman. Dr. Cameron has published more than 50 scientific papers, books, and popular articles (Natural History, 2004) on orchid biology and other topics. He has been on the scientific staff of the New York Botanical Garden since 1998 and is currently the Director of its Molecular Systematics Studies Program.



## President’s Message:

As the old saying goes, what a difference a day makes. That day was election day November 7 and the implications of this election go far beyond partisan score-keeping. All across the country voters made a resounding statement expressing their dissatisfaction with international policies, corruption at all levels of government, failed environmental and energy policies, and those who would maintain the status quo. Even here in NY where the majority of politicians maintain a moderate stance, voters were clear in their value judgments. Sue Kelly, our representative for many years, was a perfect example. Although Sue had worked with us on many initiatives, and was very accessible to the environmental movement, all too often constituents had heard the phrase “I would like to help but my leadership will not allow me to vote for that bill.” And so, like so many who were not willing to buck a leadership that has led this country terribly astray, Sue Kelly lost her seat on Election Day.

Now that we are past the slogans and election rhetoric, the challenge for all of us is to rise above partisanship and ensure our elected officials enact policies that protect our natural resources while addressing critical energy problems. For the last six years Bedford Audubon, along with our state field office, Audubon NY, has been able to work in a bi-partisan fashion with many lawmakers to craft laws to protect NY local and state resources, but the national environmental laws have been decimated and abolished. We now have a chance to put an end to a special interest-dominated energy policy that has consisted of little more than drilling, despoiling and denial. Lawmakers on both sides of the aisle can meet voter expectations by blazing the trail to a clean-energy future that protects human health, wildlife and treasured places.

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35 Todd Road, Katonah, NY 10536

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mailto:mvaldez@bedfordaudubon.org  
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*Newsletter*: Tricia O'Donnell, 914-232-5911  
*Events*: John Askildsen, 914-232-1701  
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Tait Johansson: *Property Manager*, 914-232-1999

### Contact Information

Chapter Office 914-232-1999  
BAS Fax Number 914-232-5038  
BAS Website [www.BedfordAudubon.org](http://www.BedfordAudubon.org)  
Our E-Mail address is: [Info@BedfordAudubon.org](mailto:Info@BedfordAudubon.org)

### Our Mission

The mission of the Bedford Audubon Society is to promote conservation and protection of wildlife habitats in the northern Westchester and eastern Putnam region through education, advocacy, nature study, and birdwatching.

## BAS CALENDAR OF EVENTS

12/6	7:30 p.m.	DNA Bar Coding as a Method of Plant Identification/Katonah Village Library
12/16	7:00 a.m.	107th Annual Christmas Bird Count
<b>2007</b>		
01/10	7:30 p.m.	Bats - Myths and Truths About The Flying Mammals/Katonah Village Library
01/20	8:00 a.m.	Wintering Birds by Long Island
01/21	10:30 a.m.	Breakfast With the Birds/Westmoreland Sanctuary
01/24	9:00-11:00 a.m.	A Winter Hike at Hunt-Parker Sanctuary
02/11	9:00 a.m.	The Great Hudson River Excursion
02/14	7:30 p.m.	How to Identify Trees in Winte/Katonah Village Library
02/16-02/18		Birding on Cape Cod
03/10	7:30 a.m.	Jones Beach With Joan and Richard Becker
03/14	7:30 p.m.	Discovering Moths - the Jewels of the Night/Katonah Village Library
03/25	9:00 a.m.	Audubon at Home Learning Tour, IES, Millbrook, NY
03/27	9:15 a.m.	Early Spring at the Bronx Zoo

### Special Note

In order to save money on printed material and be mindful of the environment you are encouraged to provide us with your email address, so we can inform you of upcoming programs and events. Please send information to [info@bedfordaudubon.org](mailto:info@bedfordaudubon.org).

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Here in Westchester and Putnam, we have been lucky with organizations like Bedford Audubon, and, with the support of thousands of concerned members like you, we have had much local success. Now, as we enter a new year and a new political climate, we look to the new Congress and its leaders to offer constructive dialog over dogma, with solid solutions over sound bites. Now is the time for real and lasting progress on energy and other priority conservation concerns.

I would offer our new political leaders a New Year's resolution list that contains the following environmental priorities and I would ask each of you to write or call them and make sure they understand voters chose them so that these priorities would be enacted. They are:

- Combating and finding solutions to the ever-growing problem of climate change just yesterday referred to by Kofi Annan as the most pressing problem of the century;
- Finally and permanently safeguarding one of our last pristine wilderness areas, the Arctic National Wildlife Refuge;
- Ensuring protection of our endangered species;
- Adequately funding enforcement of federal, state, and local environmental regulations and legislation, conservation programs, and essential, overdue upkeep of national parks and refuges;
- Adequately funding Clean Water acts, and securing funds to preserve and protect the Long Island Sound and
- Protecting and restoring wetlands vital to environmental and economic health.

We at Audubon are ready to work with the new Congress and local leadership to bridge any partisan divides while supporting the forward-looking policies needed to protect our natural heritage. Conservation is a cherished part of America's values that knows no party affiliation. Let's give the generations to come the best holiday present they could receive; let's pledge to become involved and work with our lawmakers in this moment of opportunity and change to ensure our natural resources are preserved and protected for birds, wildlife and humans to enjoy long into the future. From all of us at Bedford Audubon, please enjoy the best of holiday seasons and see you soon on the trails!



### Welcome Milady Valdez

Let us all welcome Milady Valdez to Bedford Audubon as our new trip registrar in place of Ginny Powers. Milady is a new volunteer from Yorktown Heights and has been working with Ginny to ensure a smooth transition. We are pleased to report that the warmth and enthusiasm in which Ginny greeted registrants will continue as Milady assumes her new role. Her attention to detail is an asset that she brings to the job. That

sounds familiar!



### Thanks Ginny

It is with great pleasure and pride that we acknowledge the many years of unselfish dedication that Ginny Powers has given to Bedford Audubon.



photo by Tom Griswold

Ginny, a resident of Pound Ridge and veteran volunteer, is retiring as registrar for our field trips and has passed the torch on to Milady Valdez. She has been working with Milady to ensure a smooth transition.

Under Ginny's watchful eye, we always knew where to go and how to get there, what time to leave, what to expect and when to go home! She was a beacon of confidence for all of our members. Her comprehensive notes and attendance records shaped many future events for us.

Having been on just about every field trip herself over the years, she was Bedford Audubon's travel guide. We all wish her well and hope to see her at upcoming programs and trips. Thanks again, Ginny!



### The Last Flowers of the Season

By Carol Gracie

A walk through the woods on a cold, late autumn day yields little in the way of color with the possible exception of some scattered red leaves remaining on blueberry bushes or, perhaps, a colorful mushroom. What a surprise, then, to come across a tall shrub full of yellow star-like flowers brightening the otherwise subdued palette of the season. The flowers are those of our native witch-hazel, *Hamamelis virginiana*, the last plant to bloom in the Northeastern forest. Unlike the fall-blooming asters and goldenrods that color the fields in yellows and purples in October, witch-hazel grows in forested areas and, thus, is only seen by those who venture into the woods at this time of year. Some witch-hazel flowers may open as early as the beginning of October, before the bright yellow leaves have fallen, making them difficult to see. More commonly flowering begins once the leaves have fallen, and then they are a surprise and a delight to observe. Individual shrubs may be found flowering as late as December when an early snowfall might dust the flowers.

It's thought that our local witch-hazel evolved this late-blooming strategy in order to take advantage of attracting pollinators at a

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time of year when there's little else for them to eat. Four thin, ribbon-like, yellow petals attract bees and, especially, flies to the flowers where they can obtain small amounts of nectar and ample, sticky pollen as a reward. However, as may be expected in November and December, few flying insects remain, and the temperature must be warm enough for them to fly in order for the flowers to get pollinated. Thus, the plants produce few fruits; in the northern part of the range, only about one percent of the flowers result in a mature fruit.

Although pollination of witch-hazel occurs in the fall, fertilization of the ovules doesn't occur until the following spring. It is then that the fruit develops, and it remains on the plant into the next flowering season. The scientific name, *Hamamelis*, means "together" + "fruit" referring to the fact that the flowers and fruits are present on the plant at the same time. The woody capsules mature at about the time that the following year's flowers open. The capsules split open explosively ejecting the two shiny black seeds an average of three and a half meters from the mother plant. The sound of the seeds hitting the dry leaves on the forest floor is one explanation for the common name, witch-hazel. The mysterious sound would startle people who then attributed it to witchcraft. An alternate hypothesis is that the name arose from the fact that branches of witch-hazel were often used as divining rods to locate underground sources of water. More likely, a corruption of the Old English "wych," meaning supple or bendable, as applied to the wych elm, was subsequently applied to our native witch-hazel because of its equally pliable branches.

The Native American use of the plant for medicinal purposes was adopted by the early colonists, and by the mid-1800s the commercial production of the astringent witch-hazel had begun in Essex, Connecticut. T. N. Dickinson, a retired Baptist minister, with his two sons and the collaboration of Dr. Elmer Whittenmore, began distilling witch-hazel bark and marketing it as a treatment for skin irritations, boils, bruises, and other ailments. All bark and leaves used in the manufacture of witch-hazel are harvested from wild plants in two geographical areas, Connecticut, along with adjacent parts of Massachusetts and Rhode Island, and the southern Appalachians. Upon the death of Dickinson, Sr., his two sons inherited the business, and it remained under family control until quite recently. Dickinson's Witch-hazel was, and still is, sold throughout the world.

A second species of witch-hazel, *Hamamelis vernalis*, is restricted to the Ozark Plateau in Arkansas, Missouri, and eastern Oklahoma. The wider ranging *H. virginiana* often grows closely associated with it. Unlike our eastern species, *H. vernalis* flowers in late winter to early spring. Its flowers vary in color from yellow to red and have a spicy aroma. It is sometimes planted as an ornamental in our area to provide a much needed early touch of color in the winter landscape. More frequently planted are two Asian species, Chinese witch-hazel, *H. mollis*, with somewhat showier, very fragrant yellow flowers, and Japanese witch-hazel, *H. japonica*, both of which also flower in late winter. The flowers of

all four species can survive freezing temperatures and even encasement in ice.

Among interesting things to observe when looking at witch-hazel are the cone-shaped structures often found on the upper surface of the leaves in summer. These are galls formed by the leaf in response to a chemical secreted by aphids that then live and produce young within the galls. The aphid life cycle is quite complicated with several generations feeding on birch trees before the sixth generation returns to the witch-hazel to begin the cycle anew.

You may also notice witch-hazel leaves rolled into cylinders. This is the work of the larva of the witch-hazel leaf-roller moth, a rather small, indistinct caterpillar that takes shelter within the rolled leaves.

Witch-hazel may be recognized by its zigzag branch tips, the presence of capsules throughout the year, and the wavy-margined leaves that have an asymmetrical base.

For photos of witch-hazel, see our website at:  
[www.bedfordaudubon.org/winter/witch-hazel-01.html](http://www.bedfordaudubon.org/winter/witch-hazel-01.html).



### Local Chapter Appeal

This winter, Bedford Audubon Society continues another season of what we believe will be a fine lineup of educational programs provided by some of the best naturalists and guest lecturers available. We hope that you and our friends and neighbors in the community will join us to experience the joys and wonders of nature.

Our programs are always free and open to the public as part of our mission to promote environmental education. Historically we have relied on the dues of our local members to underwrite the cost of speaker honorariums, venue rental, announcement mailings, refreshments, and other program related costs.

All of the above costs have risen over the years making it more difficult to cover our expenses. A typical monthly program now costs just under \$1,000 to produce and promote.

We encourage everyone to support the work of Bedford Audubon by payment of local membership dues. BAS now receives only pennies on the dollar of dues that are sent directly to the National Audubon Society. This reduction in assistance from National Audubon increases the financial responsibilities of the local chapter. Please see the back of our newsletter for the local chapter membership form. As always, we thank you for your continued support of Bedford Audubon Society.





The seed sale is a very important fundraising event for us at Bedford Audubon Society. We want to thank all of our participating members and friends who helped make it a great success this year as well. Thanks also for those extra donations! We really appreciate it and look forward to putting these funds to work toward our programs and outreach. Our helpers at the pick-up day on November 4, Steve Carey, Don Pachner, Helle Raheem, and Tony Ianniello deserve extra thanks.

Our seed sale committee leaders, Steve Ricker and John Erickson have unselfishly given their time each and every year, rain or shine. They have it down to a science from the seed sale form, to the spreadsheet document listing each and every order, to the truck delivery at the park, and finally to the pickup day from start to finish when the cleanup just begins! We are also indebted to their families for allowing us to steal them away for a bit!



## The 107th Annual Christmas Bird Count

The annual Audubon Christmas Bird Count (CBC) season is upon us. Touted as being America's longest running and largest natural history census, the CBC is an event that appeals to people of all levels of skill, whether novice or expert. The idea is to spend the day in the field counting birds in order to contribute data to Audubon's large electronic database of accumulated information on the whereabouts of wintering birds in the Americas. Over 2,000 counts are being conducted in the US, Canada, Mexico, and the Caribbean over a three-week period. Last year the CBC registered more than 57,000 participants who counted more than 61.5 million birds of 652 species. There are six CBCs being conducted right here in the northern Westchester area for you to participate in. To learn more about the Audubon Christmas Bird Count, and the count being conducted nearest to you, go to Audubon's website at [www.audubon.org](http://www.audubon.org) and either click on Christmas Bird Counts under citizen science or input "CBC" into the website's internal search engine. See you in the field!



## FIELD TRIPS

**Registration:** Please register for all field trips (except where noted) with trip registrar, Milady Valdez, (914) 962-5474 or [mvaldez@bedfordaudubon.org](mailto:mvaldez@bedfordaudubon.org)

### The 107th Annual Christmas Bird Count

#### The Peekskill Count

**Saturday, December 16, 2006, from 7 a.m. to dusk**

The phrase, "think globally, act locally" applies perfectly to the Audubon Christmas Bird Count (CBC). This is an event where people of all skill levels can enjoy being outdoors counting birds and at the same time contribute valuable scientific information. There are six CBCs being conducted right here in the northern Westchester area for you to participate in. Please visit our website, [www.bedfordaudubon.org](http://www.bedfordaudubon.org), or contact **John Askildsen**, [askildsen@verizon.net](mailto:askildsen@verizon.net) for further details and contact information for each count. Whether novice or expert, there is a place for you on our local Christmas Bird Counts.

### Wintering Birds by Long Island Sound

**With Walter Fowler and John Askildsen**

**Saturday, January 20, 2007. Departure (carpool) from Bylane Farm at 8 a.m.**

Join seasoned birder and Bedford Audubon Society director, Walter Fowler, and popular trip leader John Askildsen, on an excursion to the shores of Long Island Sound. The Edith Read Sanctuary, located within the Rye Playland Amusement Park complex, is home to a great diversity of wildlife, and in winter, the 85-acre lake, a mixture of salt and fresh water, hosts over 5,000 ducks. The sanctuary has been recognized by the National Audubon Society as an Important Bird Area (IBA). The nearby Marshlands Conservancy is another excellent birding spot. We will visit both locations. Bring lunch and dress warmly!

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### **Breakfast with the Birds**

**Sunday, January 21, 2007 at 10:30 a.m. Westmoreland Sanctuary, Chestnut Ridge Road, Bedford Corners.**

Join Steve Ricker, Director at this popular sanctuary, as we learn how to identify our local feeder birds. The sanctuary has seven miles of trails and is home to an abundance of wildlife. We'll be snug and warm as we observe the feeders through a picture window! Donuts, juice and coffee will be served. Please register with Steve Ricker at (914) 234-2934.

### **A Winter Hike at Hunt-Parker Sanctuary With Tait Johansson**

**Wednesday, January 24, 2007, 9:00-11:00 a.m. Meet at Bylane Farm.**

Bedford Audubon's 318-acre Hunt-Parker Sanctuary is a beautiful site, even at this time of year. We will be looking for wintering birds like nuthatches, chickadees and goldfinches and will try to identify some of the common trees of the preserve. Join Bedford Audubon naturalist Tait Johansson for a brisk winter walk and some hot chocolate afterwards at Bylane. Bring binoculars.

### **The Great Hudson River Excursion**

**With John Askildsen and Walter Fowler**

**Sunday, February 11, 2007. 9:00 a.m. Departure (carpool) from Bylane Farm.**

In mid-winter, the Hudson River is teeming with birdlife. The river is winter home to thousands of ducks, geese and swans and a variety of birds of prey including eagles, vultures, hawks and even ravens. This trip will focus on the wildlife found right here in our own backyard — the Hudson River. Join the two experienced Bedford Audubon birders, John Askildsen and Walter Fowler, for a leisurely and entertaining day of wildlife watching at various locations along the banks of the Hudson River.

### **Birding on Cape Cod**

**With John Askildsen and Walter Fowler**

**Friday-Sunday, February 16-18, 2007.**

Join Bedford Audubon's John Askildsen and Walter Fowler on a natural history tour of Cape Cod's seashore environs. Despite its *seemingly* drab and monochromatic appearance, Cape Cod's landscape is very much alive in winter. Its estuaries are filled with water birds eking out a living, and its marshes are host to a variety of wildlife, from mammals to birds and other seaside critters. The Cape's wintry landscape is starkly beautiful too. Come along to see what Cape Cod is like "off season." We will visit several birding sites along the Atlantic coast, so be sure to bring really warm clothing.

A number of rooms will be reserved for two nights at a comfortable hotel on the Cape.

**Deadline for reservations and full payment is January 30, 2007. Cancellation after that date will incur a \$25 fee. Bedford Audubon Society now accepts VISA and MasterCard.**

Please contact trip registrar, Milady Valdez, to inquire about room rates and traveling arrangements.

### **Jones Beach With Joan and Richard Becker Saturday, March 10, 2007**


Visit our website at [www.bedfordaudubon.org](http://www.bedfordaudubon.org)

**Expect to leave the greater Katonah area by 7:30 a.m. to meet Joan and Richard Becker at Jones' Beach's Marina/Coast Guard Station at 8:30 a.m.**

Most people think of Jones Beach as the place to go in summer for swimming and sunbathing. But when the sun worshippers are gone, it is a fantastic place to watch birds. It is not uncommon to find many of the northern species of ducks, sandpipers, and owls spending the winter here. Since it is located on the Atlantic Flyway, we hope to see some early migrants. You may want to pack a morning snack plus lunch.

### **Audubon At Home Learning Tour:**

**The Institute for Ecosystem Studies, Millbrook, New York  
Sunday, March 25, 2007, 9 a.m. departure (carpool) from Bylane.**

One of the most vexing problems that homeowners have to deal with today is how to protect garden plantings from being ravaged by deer browsing. BAS is arranging a visit to the internationally recognized Institute for Ecosystem Studies, situated on 2,000 acres in Millbrook, Dutchess County. Brad Roeller, Manager of the Grounds and Display Gardens, and IES's resident expert on the topic of the deer population problem, will give us a tour of the Fern Glen, a wooded study area at IES. He will help us identify plants in winter and also discuss how to care for them in winter-into-spring. There is a \$10.00 charge for the tour. Afterwards, we'll drop by the Millbrook Café for lunch in the nearby charming village. Make your reservation early. Space is limited. 

## **PROGRAMS**

**Bats – Myths and Truths About The Flying Mammals  
With Cullen Geiselman, Ph.D. fellow at Columbia  
University's Department of Ecology, Evolution, and  
Environmental Biology**

**January 10, 2007, at 7:30 p.m.**

**Katonah Village Library, 26 Bedford Road, Katonah, NY**

Bats are the only mammals capable of true flight, and they have radiated into almost every habitat on earth. They are responsible



for eating millions of night-flying insects, dispersing seeds in rain forests, and pollinating plants in deserts. Only three out of the 1,100 species of bats are vampires and feed solely on the blood of other mammals and birds. Other bats are carnivorous

and capture small vertebrate prey, such as lizards, birds, and even other bats. Their great diversity of feeding strategies is a testament to the adaptability of these nocturnal animals. Unfortunately, most things that people think they know about bats are not true. For instance, bats are not blind, they do not get entangled in human hair; and they do not “carry” rabies. The lecture will give a brief summary of the world’s bat species, their habitats, and life histories, dispel common bats myths as well as discuss the ten bat species found in New York State and how they survive in our temperate climate. **Cullen Geiselman** began her career studying bats in 1998 when she joined the staff of Bat Conservation International (BCI), an Austin-based not-for-profit organization dedicated to the conservation of bats and their habitats worldwide. During her five-year tenure with BCI, she taught bat research and land management workshops in Arizona, Kentucky, and Pennsylvania, led natural history tours to Belize and Kenya, developed educational materials for children and adults, as well as presented numerous formal and informal lectures across the US. Currently she is a joint Ph.D. fellow at Columbia University’s Department of Ecology, Evolution, and Environmental Biology and The New York Botanical Garden where she investigates the role of bats in dispersing seeds and pollinating plants in South American rain forests.

**How to Identify Trees in Winter  
With Arborist and Horticulturist, Wayne Cahilly  
February 14, 2007, at 7:30 p.m.**

**Katonah Village Library, 26 Bedford Road, Katonah, NY**  
When walking through the winter woods, have you often wished you knew the names of trees that stand there, leafless, and seemingly impossible to identify? Now, here is your chance to learn! Wayne Cahilly will present an illustrated lecture on the identification of common Northeastern trees in their winter condition. Being able to recognize trees without their leaves can add much



enjoyment to winter walks. The presentation will include plants that are favored feeding and resting spots for migratory and resident birds and provide the habitat for nesting and sentry posts. Some common shrubs will be included as well. Mr. Cahilly will also bring a sampling of twigs so that differences between species can be easily observed and discussed. **Wayne Cahilly** is a graduate

of The New York Botanical School of Professional Horticulture and has made his career at NYBG. He has held numerous positions within the Garden, including Lead Arborist, Arboretum and Grounds Manager, and Manager of the Institutional Mapping

Department. He has taught tree identification at The New York Botanical Garden for years. He also served for two years as Project Manager for the Institute of Ecosystem Studies in Millbrook, NY. Mr. Cahilly is on the board of the Greenbrook Sanctuary, a private preserve on the Palisades and is the owner of Cahilly’s Horticultural Services, a consulting firm specializing in the structural analysis of trees, both standing and fallen, for the purpose of preventing or explaining structural failure. His work is frequently used in dispute resolution and as expert testimony in court. He is also a member of the American Society of Consulting Arborists.

**Discovering Moths – the Jewels of the Night  
With Naturalist and Author John Himmelman  
March 14, 2007 at 7:30 p.m.**

**Katonah Village Library, 26 Bedford Road, Katonah, NY**

Moths are some of the most misunderstood creatures, always considered duller and less interesting than the colorful butterflies of the daytime. But, as you will learn from John Himmelman’s lecture, the forms, colors, and habits of moths are as varied and fascinating as those of butterflies, and in many cases as astounding



as the more celebrated birds that eat them! The speaker will introduce you to some of the more than 11,000 estimated species of moths in North America. He will cover topics such as moth identification, moth families, how to attract moths, places to see moths, moths through the seasons, and more.

**John Himmelman** has spent many years attracting, photographing, drawing, rearing, writing about and enjoying moths wherever they could be found.

In 1994, he co-founded the Connecticut Butterfly Association. He is also an avid bird watcher and served for two years as president of the New Haven Bird Club. He is an authority on amphibians as well. Throughout the year he leads a number of nature walks for a variety of organizations in a variety of settings and habitats. He also brings small groups of people to South America to experience the rain and cloud forest, mountains, savannas, and the wildlife that inhabit them. He shares his moth photos on the website, *Moths in a Connecticut Yard*

(<http://www.booksandnature.homestead.com/NewCTMoth.html>). John Himmelman is the author and illustrator of more than 60 children’s books and several adult books, including *Discovering Moths*, *Nighttime Jewels in Your Own Backyard* and *A Luna Moth’s Life*. He is currently working on a field guide to identifying and recognizing the songs of crickets and katydids of the Northeast. His books will be available for purchase and signing at the lecture.



## Bedford Audubon Membership

Yes, I would like to join the Bedford Audubon Society. My local chapter membership will help support local conservation efforts, programs, and sanctuaries. (Send this form with a check made out to **Bedford Audubon Society** or **fill in the MC/VISA credit card information below.**)

### **Please check your membership category.**

- New Member or Renewal \$30     Supporter \$50  
 Gift Membership \$30     Contributor \$100  
 Student \$15     Patron \$500

I wish to make an additional donation of \_\_\_\_\_  
 I do not wish to have my name or contact information shared with outside organizations.

Please see if your company has a matching gifts program!  
Your information or gift recipient's information

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_

### **Credit card Information**

MasterCard     VISA

Name as it appears on card \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Account# \_\_\_\_\_  
Expiration date \_\_\_\_\_ Phone \_\_\_\_\_

Security code (3 or 4 digit# from rear of card in signature area) \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

**Mail to:** Bedford Audubon Society, 35 Todd Road, Katonah, NY 10536

**Enter your e-mail address here** and we will add you to our e-mail list for alerts on programs, field trips, and other items of local interest.

Referred by: \_\_\_\_\_

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