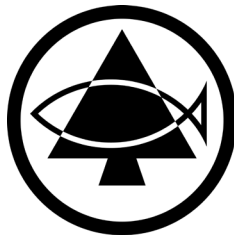




NSRWA



www.massaudubon.org/southshore



www.ssnsc.org



www.ssymca.org

The North & South Rivers Watershed Association, the South Shore Natural Science Center and Mass Audubon South Shore Regional Headquarters are pleased to announce their partnership in presenting a series of 10 free Wednesday evening lectures, January 18 – March 21, 2012.

This fascinating series offers something for everyone. All lectures will begin at 7pm and take place at the South Shore Natural Science Center, Jacobs Lane, Norwell. Members and the general public are encouraged to attend. Admission is free of charge!

For more information, or to be notified by email about this series and other NSRWA events via Rivernet, visit www.nsrwa.org or contact North & South Rivers Watershed Association 781-659-8168; South Shore Natural Science Center 781-659-2559; or Mass Audubon South Shore Regional Headquarters 781-837-9400.

2012 Water Watch Lecture Series

January 18 – March 21

Wednesdays at 7 pm

at the South Shore Natural Science Center

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JANUARY 18 - The Great Penguin Rescue: 40,000 Penguins, a Devastating Oil Spill, and the Inspiring Story of the World's Largest Animal Rescue

Dyan deNapoli, Author

When an iron-ore carrier sank off the coast of South Africa in June 2000, nearly half the entire world population of African penguins was threatened by the oil that spilled from the ship. It was the height of the best breeding season on record for this now-endangered species, and soon, nearly 20,000 penguins were covered with oil, and another 20,000 were in the path of the approaching oil slick. Would rescuers arrive in time? In this compelling presentation, penguin expert and award-winning author, Dyan deNapoli, shares her first-hand experiences working as a rehabilitation supervisor during the largest animal rescue ever undertaken.

JANUARY 25 - Sighting! Surveying Seabirds on Stellwagen Bank

Anne-Marie Runfola, Volunteer Coordinator, Stellwagen Bank National Marine Sanctuary

The Stellwagen Bank National Marine Sanctuary turns twenty in 2012. Since its inception, it has always been tied to the South Shore. First opened in Plymouth in 1992, the sanctuary headquarters has since migrated northwards to occupy the Coast Guard station on First Cliff in Scituate. During those 20 years, the sanctuary staff has conducted research that has changed the way we look at the 842 square mile sanctuary. In 2011, staff and volunteers jumpstarted what has become a nationally replicated system for surveying seabirds – in Stellwagen's case, gannets, storm-petrels, jaegers, and numerous species of shearwaters, among other species – offering otherwise landlubbing Massachusetts residents an opportunity to flex their citizen science muscles at sea.

FEBRUARY 1 - The Past, Present and Future of Earthquakes in New England

Dr. John Ebel, Director of Weston Observatory at Boston College

This past summer's earthquake reminded us that while we may not live in seismically-active California, the earth still can move under our feet! The New England region has experienced regular earthquake activity throughout its history, and a few of which were damaging. In this talk, Dr. Ebel, Director of the New England Seismic Network at Boston College, will explore where New England earthquakes have occurred, what caused them, and what the potential is for future damaging earthquakes in our region.

FEBRUARY 8 - The Search for and Discovery of Air France Flight 447

Dr. David Gallo, Director of Special Projects, Woods Hole Oceanographic Institution

On April 4, 2011, a team led by the Woods Hole Oceanographic Institution located the wreckage of Air France Flight 447 in the Atlantic Ocean off Brazil's northeastern coast in nearly 2.5 miles of water. Learn how the search team scoured some of the most rugged seafloor terrain using specialized vehicles to find the wreck, whose location remained a mystery for nearly two years. At the forefront of ocean exploration, Gallo was one of the first scientists to use a combination of robots and submarines to map deep-sea mountain ranges. Most recently he was co-expedition leader for mapping the Titanic and the successful search for the missing Air France 447.

FEBRUARY 15 - Sea Level Rising, The Chatham Story

Bill Sargent, Author

On April 6, 2007, an early spring storm broke through Cape Cod's barrier beach. Overnight the citizen's of Chatham had to contend with as much sea level rise as most communities will face in the next 50 years. A dozen homes were swept away in as many months and today a new inlet is aimed at the heart of the village. Another hundred houses and the third most lucrative fishing port in New England will be endangered in the coming years. Sea level rising is a clarion call for a coastal communities to prepare for the chronic effects of global warming. Join Bill Sargent, NOVA consultant, and author of the book "Sea Level Rise: the Chatham Story," for a captivating, illustrated program.

FEBRUARY 22 - Shucked

Erin Murray, Author

Let Erin Murray, author of *Shucked*, take you on a unique tour of the oyster business from an insider's perspective. In this engrossing and personal account, a young woman from Boston ditches her pampered city girl lifestyle and convinces the rowdy crew at Island Creek Oysters in Duxbury to let a completely unprepared, aquaculture-illiterate food and lifestyle writer work for them for 18 months to learn the business of oysters. This in-depth look at the work that goes into getting oysters from farm to table shows Erin's full-circle journey through the modern day oyster farming process. It also tells a dynamic story about the people who grow our food, and the cutting-edge community of New England oyster farmers who are defying convention and looking ahead.

FEBRUARY 29 - A Tail of Two Lobsters: Migration and Reproduction in American Lobsters

Jason Goldstein, University of New Hampshire

North American lobsters are iconic throughout New England and support a historically successful fishery unmatched by few even today. However there are still large unknowns concerning some of their most fundamental biological processes including growth, reproduction, egg development, and patterns of movement. Using creative technological solutions, scientists and fishermen alike hone in on patterns of lobster movement both in the Gulf of Maine and in the Great Bay Estuary and have been surprised by some of their findings. Other factors such as the impacts of fluctuating ocean temperatures provide insight into how coastal waters and estuaries may change at both regional and local scales, thus impacting the future health and distribution of lobster stocks.

MARCH 7 - The 100th Anniversary of the Sinking of the RMS Titanic

Coast Guard Ice Patrol

The 1912 sinking of the RMS Titanic was one of the largest peacetime maritime tragedies, resulting in the deaths of 1,517 people. After setting sail for New York City with 2,223 people on board, she hit an iceberg, and sank. The high casualty was due in part to the fact that, although complying with the regulations of the time, the ship carried lifeboats for only 1,178 people. A disproportionate number of men died due to the "women and children first" protocol that was enforced by the ship's crew. What was done to prevent future tragedies? The United States Revenue Cutter Service, later to become the United States Coast Guard, instituted the International Ice Patrol, an organization still operated within the Coast Guard today, from right here in New England. Their work of tracking icebergs continues to this day, a century after the most unthinkable disaster took down the world's "unsinkable" ship.

MARCH 14 - "New" Furry Friends to Our Area: Black Bears, Fishers & Beavers

Jason Zimmer, Wildlife Biologist, Southeastern Massachusetts DFW

Wildlife biologist manager of the Southeastern Massachusetts Division of Fisheries and Wildlife, Zimmer will inform us of the latest science and management of our furry friends: black bears, fishers and beavers. These animals, once hunted either for their furs or out of fear, were significantly reduced in population or extirpated locally but are now making a comeback. Jason will tell us what the latest is on these creatures – where they are being found locally and more importantly what to do if you encounter one!

MARCH 21 - Ospreys and Eagles: They Have Returned

John Galluzzo

During Massachusetts' first Breeding Bird Atlas, compiled during the 1970s, ospreys bred in only one place: the Westport River. Today, they are synonymous with the South Shore coastline. Bald eagles, succumbing to the same pesticides that killed ospreys during the 1950s and 1960s, were so far gone they had to be reintroduced to nesting sites in the Quabbin Reservoir area; now, just three decades later, they nest in Plymouth County and winter along the North River and on the Plymouth coast. The resurgence of these two species came as a result of natural resiliency and human intervention in the lives of disappearing species.