

6A NEWS

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## Arctic summers may be ice free by 2020

Disappearance will have cascading effect on food chain

By Dan Vergano

AP Wire

Arctic Ocean summer ice may melt completely, possibly within the next decade or two, federal scientists say.

Climate scientists have projected the North Pole will lose its summer ice cap after 2050 because of a warming climate melting sea ice. But a new study in the *Geophysical Research Letters*, led by James Overland of the National Oceanic and Atmospheric Administration, used three methods of projecting ice cover and predicts summers with no ice much sooner.

"All three suggest nearly sea-ice-free sum-

mers in the Arctic before the middle of this century," said study co-author Marnie Wang of NOAA's Joint Institute for the Study of Atmosphere and Ocean.

The estimates produce ranges for an ice-free Arctic from 2020 to after 2040. "This paper should not be used as an argument against further modeling, but quite the opposite," the study said. "It is reasonable to conclude Arctic sea ice loss is first rather than the second half of the 21st century, with a possibility of loss within a decade or two."

Arctic sea ice extent increases and decreases with every winter and summer. It reached its maximum winter extent in March, about 5.8 million square miles, according to the National Sea Ice Data Center, which was well below the aver-

**DRILLING FOR OIL**

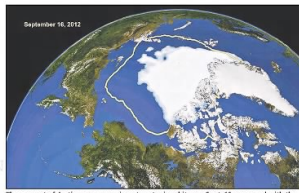
Energy giants Exxon and Royal Dutch Shell are moving quickly to jointly develop offshore Arctic oil fields.

Russia is trying to assert jurisdiction over parts of the Arctic, which is believed to hold up to a quarter of the Earth's undiscovered oil and gas. It is spending up the Arctic oil project, the Kremlin is strengthening its bid.

However, environmentalists have warned that drilling in the Russian Arctic could have disastrous consequences because of a lack of technology and infrastructure to deal with a possible spill in a remote region known for huge icebergs and severe storms.

age in previous decades.

Simply extending summer ice melting trends into the future in a straight line predicts an ice-free Arctic by 2020, the study shows. Adding a few ups and downs at ran-



The amount of Arctic summer sea ice, at center in white, on Sept. 16 compared with the average from 1979 to 2000 for the day, shown with the yellow line. A new study suggests there could be no summer ice at all as early as 2020.

dom to account for current melting trends makes it back to 2030, while a more complicated model suggests an ice-free Arctic by 2060, most likely around

2090. None of the methods see the polar ice cap remaining intact in the long run, Wang said.

Disappearance of the summer ice sheet will lead to cascading ef-

fects throughout the Arctic food chain. Geopolitical jostling over navigation and mining rights have already started, amid concerns about

## Hymnal that dates to 1640 could fetch \$30M

By Uta Ilytzy

Associated Press

NEW YORK — A tiny hymnal from 1640 believed to be the first book ever printed in what is now the United States is going up for auction, and it could sell for as much as \$30 million.

Only 11 copies of the Bay Psalm Book survive in varying degrees of completeness. Members of Boston's Old South Church have authorized the sale of one of its two copies at Sotheby's Nov. 26.

"It's a spectacular book, arguably one of the most important books in this nation's history," said the Rev. Nancy Taylor, senior minister and CEO of the church, which was established in 1630. Samu-

el Adams was a member and Benjamin Franklin was baptized there.

At one time, the church owned three copies of the by-5-inch hymnal. One is now at the Library of Congress, another at Yale University and a third at Brown University.

Bay Psalmists, the church voted to sell one of its two copies — both in "excellent condition" — to increase its grants, ministries and "strengthen our voice in general as a progressive Christian church."

The book was published in Cambridge, Mass., by the Puritan leaders of the Massachusetts Bay Colony. The hymnal was supposed to be a faithful translation into English of the original Hebrew psalms — pu-

**RECORD PRICE EXPECTED**

The last time a copy came on the auction block in 1992, it sold for a record auction price of \$55,000. At the time, it was supposed to be sold for \$100,000. The book is a rare first folio and John James Audubon's "Bird of America."

arians believed selected paraphrases would compromise their salvation. A yellowed title page reads: "The Whole Book of Psalms, Faithfully Translated into English Metre." At the bottom, it says "Imprinted 1640."

The book is on view at Sotheby's through Sunday. It will travel to several cities, including Philadelphia, Chicago, Los Angeles and Dallas.

2013 Spring  
**craft show**  
Saturday, April 27th | 9am-3pm  
Fairfield County Fairgrounds  
137 W. Fair Avenue, Lancaster, OH  
2 BUILDINGS!  
AAA building @ Ed Sunda's Farm Bureau building  
**FREE PARKING!**  
**DOOR PRIZES!**  
Food & Refreshments Available!  
over 100 crafters & vendors!  
Admission: \$1 donation to the Eagle-Gazette's Regional Spelling Bee  
**EAGLE-GAZETTE Media**

## Is Your Pillow The Problem?

(Carver, MN) According to the Mayo Clinic, Sleep Deprivation is a growing problem with over 25% of adults reporting they get fewer than 6 hours of sleep a night. Research shows that chronic lack of sleep is also linked to **Cold and Flu, Diabetes, Mental Health Issues, and even Obesity.** Michael J. Lindell, inventor, Manufacturer and CEO of MyPillow® Inc. has now found the solution to getting a better night's sleep. "Pillows are the Problem," suggests Lindell who spent years searching for the perfect pillow that ultimately led to the creation of the highly successful "MyPillow®" brand of pillows. "Most pillows are designed to break down," says Lindell. "I would wake up in the morning with a sore arm, my neck would hurt, fingers would be numb and I would lose and turn all night not knowing why. I tried many different pillows on the market and none of them worked so I started researching pillows and sleep disorders and became adamant about creating 'The World's Most Comfortable Pillow.' MyPillow® Premium uses a patented three piece, including Fill that Sleeps Cool, is Healthy and Conforms to your exact individual needs regardless of sleep position. It comes with a full 10-Year Warranty and 60 Night Comfort Guarantee. 'MyPillow® Premium is short risk resistant, non-allergenic, and you can wash and dry it as easily as your favorite pair of blue jeans,'" says Lindell.

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Michael J. Lindell spent the last eight years selling MyPillow® Premium face-to-face at fairs, expos and events and has received thousands of testimonials (refer to mypillow.com) from satisfied customers regarding how MyPillow® Premium has changed their lives and helped them get the most restful, comfortable, sleep healing sleep of their lives. "To see the difference this has made to people's lives is nothing short of a Miracle." According to WASHED, some of the benefits of a "Good Night's Sleep" may help reduce the risk of:

- Cold and Flu
- Heart Disease
- Diabetes
- Obesity
- Drowsy Driving
- Mental Degradation

"Many people, like me, are in search of a pillow that will help them sleep comfortably," says Lindell. "At night, you may sleep with your arm under your head for support, flip flop from side-to-side, flip your pillow over because of overthinking, basically asking yourself of highly beneficial REM sleep. Even if you are asleep for a full night, if your vertebrae in your neck are not aligned and fully supported, you may not be getting the sleep healing sleep we need to be at our best." Lindell is so confident MyPillow® Premium will help you that he's offering an unprecedented 60-Day Money Back Guarantee in addition to the 10-Year Warranty. "I know people are tired of paying money for pillows that simply don't work," says Lindell. "That's why we give every customer 60 nights to sleep on it to make sure it works for them." MyPillow® Premium comes in a different bed, has an A+ rating with the Better Business Bureau and does all of its manufacturing here in the USA. "I truly believe MyPillow® is the best pillow in the world and that if everyone had one they would get better sleep and the world would be a much better place."

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