

Learning and teaching on biodiversity with narrative forms and fiction

Prof. Dr. Marcel Robischon
Humboldt-Universität zu Berlin
Fachdidaktik Agrar- & Gartenbauwissenschaften
Humboldt-Universität,
Unter den Linden 6, 10099 Berlin



SDG 15, Target 5:

"Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species"

"Develop communication and outreach tools and methodologies to better convey the **importance** and **value** of Arctic biodiversity and the changes it is undergoing"

“importance and value”







direct experience
and affective learning

“we protect what we love”

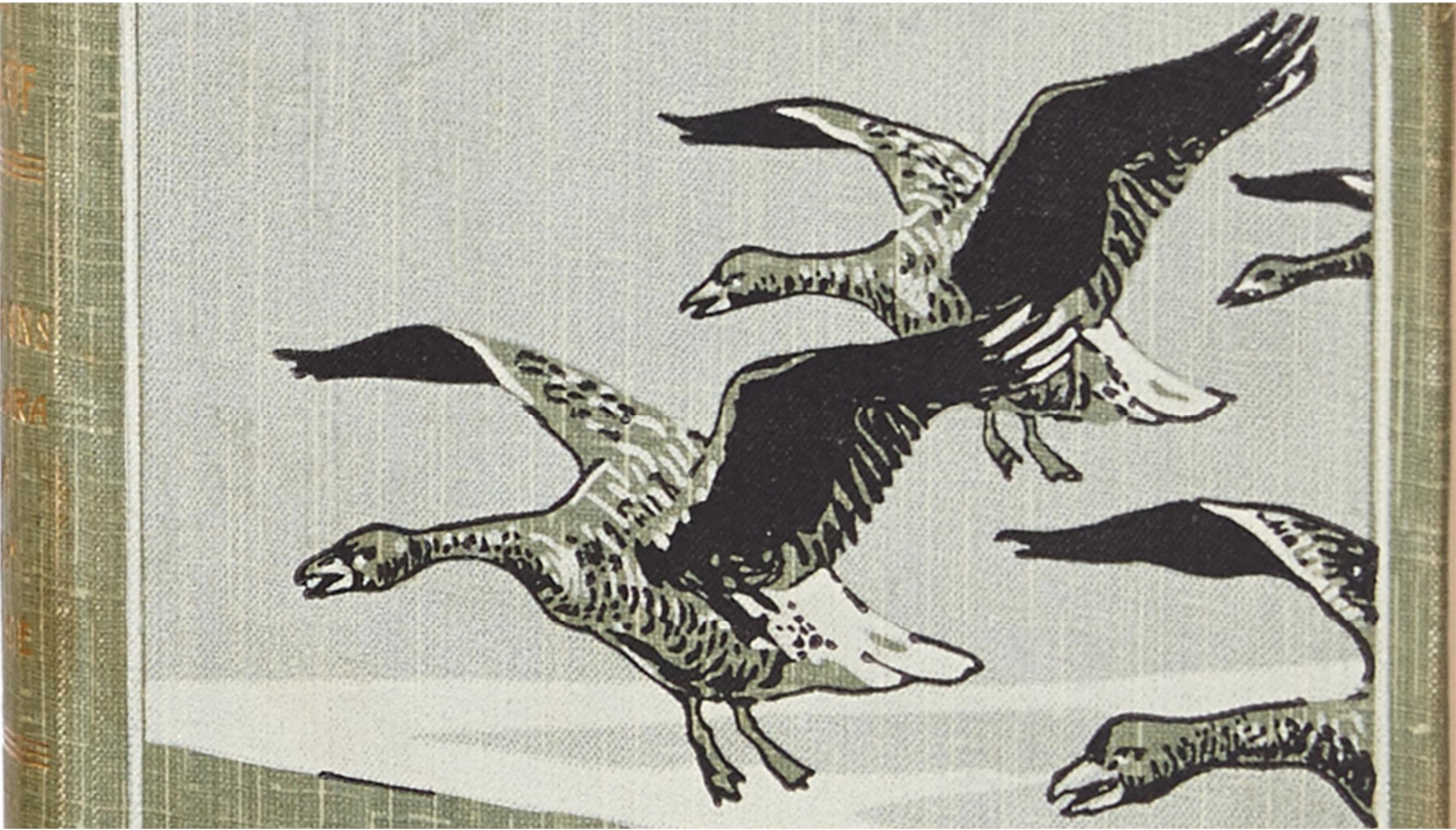
Gilbertson, K., Bates, T, Ewert A., McLaughlin, T. 2006. Outdoor Education: Methods and Strategies, p. 128

Pooley, J.& , O'Connor., M. 2000. Environmental Education and Attitudes: Emotions and Beliefs are What is Needed. Environment and Behavior. 32. 711-723.

"creating engagement"

“empathy”

Bal, P.M., Veltkamp, M. 2013. How Does Fiction Reading Influence Empathy? An Experimental Investigation on the Role of Emotional Transportation. PLOS ONE 8 (1) e55341





The Last Passenger
JAMES RALPH JOHNSON

The Silent Sky

The Incredible Extinction of the Passenger Pigeon

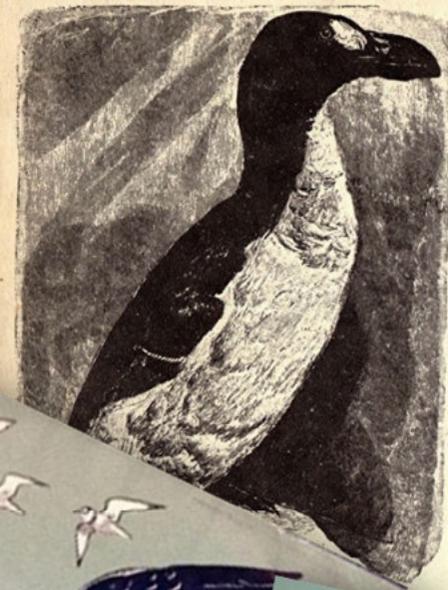
A Novel by
JAN W. ECKERT



LAST of the
CURLEWS

FRED BODSON

"Focuses the spotlight on the most fascinating ornithological mystery of a bird that once rivaled the passenger pigeon." —Richard H. Pough

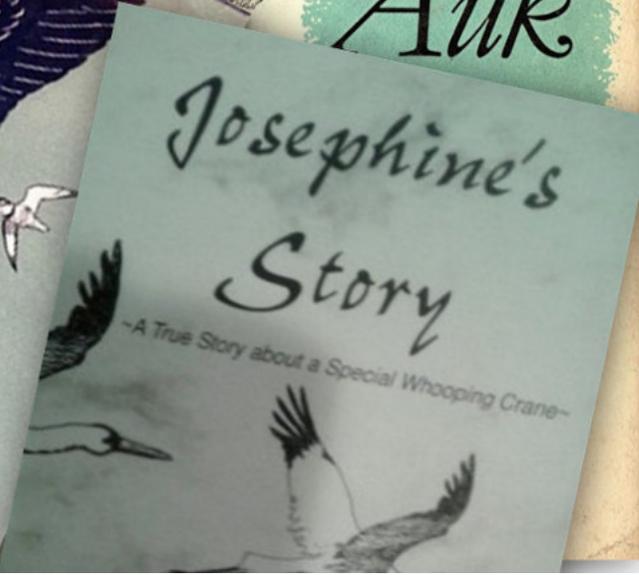


The Last Great Auk



Last of
CURLEWS

"Focuses the spotlight on the most fascinating ornithological mystery of a bird that once rivaled the passenger pigeon." —Richard H. Pough



Josephine's
Story

—A True Story about a Special Whooping Crane—

THE PASSENGER PIGEON

In 1870, a flock of Passenger Pigeons a mile wide and three hundred twenty miles long thundered over the Midwest, abolishing the sky. Two billion birds swirling to the cage end of oblivion.

HAWAIIAN O-O



Yoo-bool
O-O!
You flew
So low
To say
Alo-
hu, er,
O-O!
Your coat,
You know,
Could steal
The show,
But that
Was oh
So long
Ago,
So long
Ago,
So long,
O-O.

A Labrador Duck

"Not seen since 1875. Preserved in a jar at the Silver Palace Restaurant (handwritten label in the Restaurant)"

Presumed, indeed! It's time year upon year I watch it fade a peculiar relic in your eyes just as I am, posing in a glass a brace of passenger pigeons a curiosity, a brief distraction as you trudge from dinosaur

Sixty of my kind, I hear, were the usual fate of the dead. But their feathers too are starting to the cells in their bills dissolving all your efforts to render us immortal. It doesn't work, it never works. I expect to crumble. As for my there are many things I'm proud you'll never know - our flyways

THE GREAT AUK

Like bowling pins corralled in pens,
The Great Auks, dumb to danger,
Regard the hunter with a club
As uninvited stranger.
Men rake Auks to the boiling pots
For dinner. First the birds
Are cleanly plucked for eiderdown
And eaten afterwards.
Icelandic sailors find the last
Remaining Auks, a pair
Who utter no alarm, perhaps,
Too desolate to care.

Of late, eternal Condor years
So shake the very Heaven on
With tumult as they thunder
with their terrible cares

Diomedea maximus Extinct c. 1700

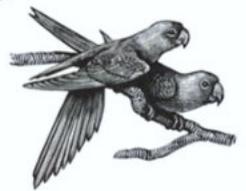
THE ELEPHANT BIRD



Eggs the size of a dinosaur's,
Legs as big as a beam,
The Elephant Bird, the Elephant Bird
Was the ten-foot bird supreme.
Claws as sharp as razor blades,
Beak like a broad-head spear,
The Elephant Bird, the Elephant Bird
Had nobody else to fear.
Sixty million improbable years—
The Elephant Bird's timespan—
Till the Elephant Bird, the Elephant Bird
Met up with the likes of Man

Ivory-Bill

Two ivory-billed woodpeckers, rarest birds in North America, were seen March 3, 1914, in Florida by members of an expedition headed by White-throated Sparrows.



Lady Jane: Here we sit, the only parrot pair in America left alive...
Incas: ... after thirty-two years in a zoo. Too old to breed.

Lady Jane: Remember when we flew by the thousands?
Incas: Only a century ago.

Lady Jane: What happened, Incas?
Incas: We ate their grain and pears and apples.

Lady Jane: They destroyed our homes.
Incas: Everyone but Man inherits a cage.

On September 1, 1914, at exactly 1:00 p.m.,

Florida by members of an expedition
Ivory-bills is being guarded, and it is
access to their habitat will help to
discovery, no ivory-billed had been
47, and it was feared that it had

you husband and wife?
sexes.

yet,
gain
t forget

nce
er

ive

New Yorker, October 14, 1950 P. 51.

So here I stand: preserved and catalogued and a trophy of your deadly skill, while you - still free to taste the wind and weather, peering in at me as though I had the answer to some query on the tip of your tongue -

The Passenger Pigeon
We were counted not in thousands, nor millions
Billions we were, numerous as the stars in the
As grains of sand at the sea, as the buffalo on
When we burst into flight we so filled the sky
That the sun was darkened and day became
Humblers of the sun we were!
The world inconceivable without us.
Yet it's 1914, and here I am
Alone caged in the Cincinnati Zoo.
The last of the passenger pigeons.
Paul Fleischman

J. Patrick Lewis *From The Silver Palace Restaurant (MQUP, 2005)*

Sharp decline in children reading for pleasure, survey finds

The Observer Schools
Writing skills in sharp decline

Education Correspondent
Süddeutsche Zeitung
SZ.de Zeitung
München Bayern Kultur Gesellschaft

Studie: Deutsche lesen weniger
nie was mit Pisa

The Telegraph

Home Video News World Sport Business Money Comment Culture Travel
Politics Investigations Obits Education Science Earth Weather Health Royal

HOME » NEWS » SHOPPING AND CONSUMER NEWS

Fewer than half of readers finished bestselling novels

Having a bestselling novel is no guarantee it will actually be read, according to a study

News Opinion Sport Culture Lifestyle

Film Music TV & radio Books Art & design Stage Games Classical
The Observer Children and teenagers

Modern life means children miss out on reading a good book

THE NEW YORKER
CULTURAL COMMENT
WHY WE DON'T READ, REVISITED

Publishing
Literary fiction in crisis as sales drop dramatically, Arts Council England reports

New figures show that fewer than half of readers finished bestselling novels, as ACE blames falling sales

Frankfurter Allgemeine
Feuilleton

MEDIEN BÜHNE FILM POP KUNST KUNSTMARKT HOCH/SCHULE

GSPOLITIK-KOMMENTAR
en Buchstaben fehlt der Sinn

Guardian Singapore
Leisure Reading Behaviour of Young Children

Schools
Teachers in UK report growing 'vocabulary deficiency'

Problem exists throughout primary and secondary school, leading to lower self-esteem and negative behaviour

Reading at Risk presents the results from the literature segment of a large-scale survey, the Survey of Public Participation in the Arts, conducted by the Census Bureau in 2002 at the request of the National Endowment for the Arts. This survey investigated the percentage and number of adults, age 18 and over, who read books, magazines, newspapers, visited museums, galleries, and libraries, attended theatrical performances, visited art galleries, watched broadcasts of arts programs, and read non-fiction literature. The survey sample included more than 17,000 individuals, representing one of the most comprehensive surveys of reading and literature consumption in the United States.

10 Key Findings

Decline in Literary Reading

	1982	1992	2002
% of U.S. Adult Population Reading Literature	56.9	54.0	46.7
Number of Literary Readers (in millions)	96	100	96

- The percentage of adult Americans reading literature has dropped dramatically over the past 20 years.
 - Less than half of the adult American population now reads literature.
 - The 10 percentage point decline in literary reading represents a loss of 20 million potential readers.
 - Only the strong growth in overall U.S. population of nearly 40 million adults from 1982 to 2002 allowed the actual number of readers to remain flat at 96 million.

Trends in Book and Literary Reading

Percentage of U.S. Adults...

Giitu



Giitu