

**Chickens Can Fly,  
Turkeys Can Swim!**

***Hatching Good Lessons in  
Classroom Science &  
Literacy Programs***

A Humane Education Presentation  
by Karen Davis, PhD  
President of United Poultry Concerns



*Photo by Frank Johnston,  
The Washington Post*

# Chickens – Who Are They?

Chickens evolved in the tropical forests of Southeast Asia and the rugged foothills of the Himalayan Mountains where chickens live and thrive to this day in a lush green world rich in sounds, colors, and vibrant activity.



*Art print of Red Jungle Fowl  
Chicken Rooster and Hen*

***Despite thousands of years of domestication, chickens are essentially the wild jungle fowl of their ancestry, with the same cravings for lush soil, trees, and activities suited to the tropical forests they originated in.***

*UPC Sanctuary hens rescued from battery cages. Photo by Susan Rayfield*





**Chickens are  
intelligent birds  
with strong  
emotions, devoted  
family ties, and a  
lively social life.**



**Rooster Lincoln, hen Sno-Pea,  
and chick Luv-Bug.**

*Photo by Matt Kelly*

## ***Chickens' Daily Life Has a Sequence of Activities:***

- **Crowing – Cock-a-Doodle-Do! Wake up!**
- **Searching – scratching & digging – for food in the morning.**
- **Sunbathing and dustbathing in the early to mid-afternoon.**
- **Searching for food in the late afternoon.**
- **Going to roost in the evening.**
- **Sleeping close together all night long.**

**Ask your students: “Why does this daily sequence of activities make sense for chickens?” Compare and contrast the daily pattern of chickens’ activities with that of other birds.**

# Mother hen with her chicks in a park in the Florida Everglades.

*Photo by Davida G. Breier*



## **Science Confirms:**

Contrary to the view once held by conventional ornithology that birds are mentally inferior to mammals and that chickens, turkeys, quails and other ground-nesting birds are “unquestionably low in the scale of avian evolution,” science now shows that birds are as intelligent as mammals (“it is now clear that birds have cognitive capacities equivalent to those of mammals”) and that “the chicken is not an inferior species to be treated merely as a food source.”

**Dr. Lesley J. Rogers, *The Development of Brain and Behaviour in the Chicken***



# Do You Know?

- **Why Roosters Crow?**

*Perched in the trees and sensitive to infrared light, chickens see sunrise an hour before we do. During the day, chickens break into small subgroups to forage on the forest floor.*

*Through the dense foliage, the roosters in each subgroup crow back and forth to keep track of one another and send out alerts.*

*Scientists call these communications “locater crows.” As protectors of the flock, roosters are always on the lookout.*



**UPC rooster, Bantu, calls to his hens.** *Photo by Karen Davis*

# Do You Know?

- **Why Hens Lay Eggs?**

*Like all female birds, hens lay eggs in order to hatch chicks so the species will continue through new generations. In nature, hens and roosters live together in flocks, so wild hens' eggs are usually fertile meaning there's an embryo growing inside the egg.*



# Do You Know?

- **Why Hens Hide Their Eggs?**

*Hens hide their eggs to protect the embryos growing inside from predators – animals such as foxes, raccoons or hawks who would steal the eggs and eat them. In nature, the hen and rooster go together to look for and scoop out a ground nest that will camouflage the hen while she sits on her eggs for 21 days of incubation.*



**A chicken family in  
the Florida Everglades.**

*Photo by Davida G. Breier*

# Turkeys – Who Are They?

**Abigail invites us to get  
to know them . . .**

Photo of Abigail at UPC's sanctuary courtesy  
of *The Washington Times*.





**A mother turkey  
shelters her poults  
safe for the night.**

***What Wings  
are For!***



Like chickens, turkeys belong to the scientific order known as *galliforms*, meaning “cock-shaped.” Galliforms make their nests on the ground instead of in trees, like robins or blue jays, or on cliff ledges, like penguins, gulls, doves, and pelicans. Galliforms include chickens, turkeys, pheasants, quails, peafowl and guinea fowl.

Unlike chickens and other pheasants of Asian origin, turkeys are Native American birds. When the Europeans arrived in the 15th century, turkeys roamed the woods, meadows, prairies and fields of North, South, and Central America, the West Indies, and Mexico. In one description:

*Turkeys were very tame along tributary streams, where there were beautiful forests full of stags and wild turkeys. The birds merely looked down from the treetops at canoes passing down the stream near cliffs rising high above with pine trees and red cedars. Bald eagles soared above their tops . . .*

John Bakeless, ***America As Seen By Its First Explorers***

# Did You Know That:

- Turkeys can swim, “even should the river be a mile in breadth.”
- Turkeys can fly up to 50mph and run 12mph, though for their daily excursions, they prefer walking.
- Like chicken parents, turkey mothers will fight a predator, such as a hawk, to the death to protect their young.



*Photo by Jeff Borchers in Jacksonville, Oregon, 2013.*

# Turkeys Can Swim!







**Poults (very young turkeys) can swim well if they need to.**

# Did You Know That:

- Turkey and chicken embryos alike communicate with their mother and siblings from inside the egg long before they are born. Young turkeys stay close to their mother for 5 months before venturing off on their own. Like chickens, turkeys have excellent hearing and full-color vision. Newborn turkeys and chickens make eye contact with their mother and siblings as soon as they hatch as part of their family bonding experience.

# They Never Know This:

**A mother hen shelters  
her chicks in the  
Florida Everglades.**

*Photo by Davida G. Breier*



# Instead They Know This:

**Hatcheries throw away thousands of unwanted baby chicks every day, hundreds of millions every year.**



*Photo courtesy of The Animals Voice*



# And This:

**Chickens and turkeys never know the comfort of a mother bird's wings or the joy of exploring the world with her.** *Photo courtesy of The Animals Voice*



**Birds raised for “meat” are painfully lame and obese. They cannot exercise their natural desire to walk, run or perch and they are too crowded to move even if they tried.**

**Typical factory-farm chicken house,  
Perdue Farms in Delaware**

*Photo by David Harp*





**“Free-range organic” young turkeys with surgically mutilated beaks at Diestel Turkey Ranch, a supplier to Whole Foods.**

*Photo by East Bay Animal Advocates*



**Egg-laying hens are kept in filthy cages or crowded in “cage-free” buildings filled with feces, cobwebs and grinding machinery.**





**The sensitive beak ends of turkeys and egg-laying hens are burned off as soon as they are born, causing excruciating pain and injury.**





**Baby Turkeys  
on a Laser  
Debeaking  
Carousel at the  
Hatchery.**

**Male and female turkeys are sexually molested for reproduction by “milkers.”**





**Jammed in crates, sick, scared, and injured young turkeys and chickens go to the slaughterhouse. All they have ever known of life is suffering, fear, and pain, which those who eat them consume in an endless recycling of violence.**





**Six-week-old baby  
chickens on their  
way to being  
slaughtered in  
Maryland.**

*Photo by Linda Howard*



**Chickens and turkeys try to hide their faces in the feathers of the birds beside them when they are hung upside down on the slaughter line. A former chicken slaughterhouse worker said, “You can tell by them looking at you they’re scared to death.”**



**Six-week-old female chickens about to be tortured with electricity and slaughtered in a Tyson slaughterhouse in Richmond, Virginia.**

*Photo by L . Parascandola*

**These fully conscious chickens are now paralyzed in agonizing pain after being dragged through electric shock water at Tyson in Richmond, Virginia.**



*Photo by L. Parascandola*



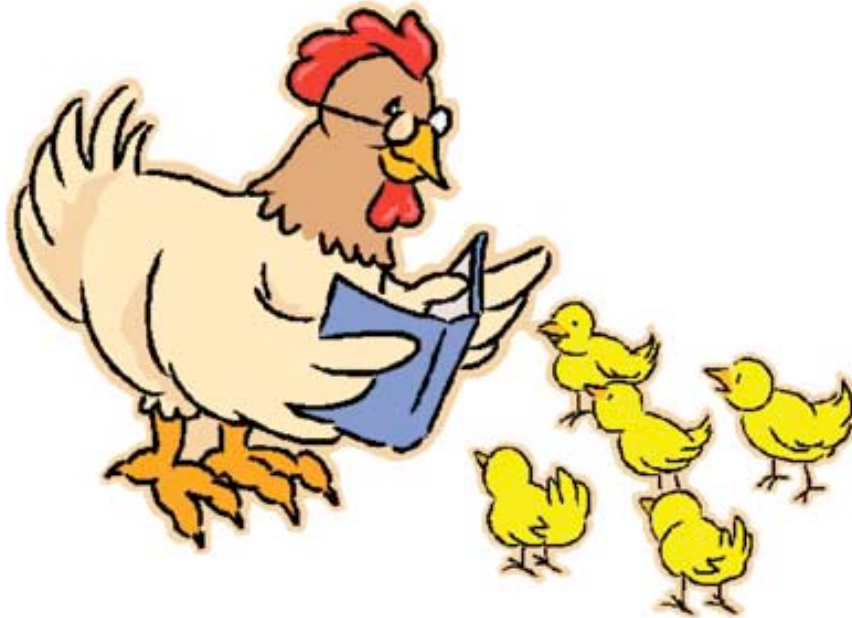
**These chickens are still alive at the Townsend slaughter plant in Millsboro, Delaware. Many will then be scalded alive.**

*Photo by Carol McCormick*





# Teachers Can Help Students Learn to Respect and Appreciate Birds Without Harming Them.



*Illustration by  
Gregg Schindler*

# *Chicken Love*

by

**Toronto artist &  
animal rights activist,  
Tascha Parkinson.**



# Sample Resources

## *Hatching Good Lessons: Alternatives to School Hatching Projects*

This Teachers Guide to Humane Alternatives to Chick-Hatching Projects contains 16 pages of information, storytelling, classroom activities & color photos for Grades K-6 (some activities are designed for K-12).

# Hatching Good Lessons

Alternatives To School Hatching Projects

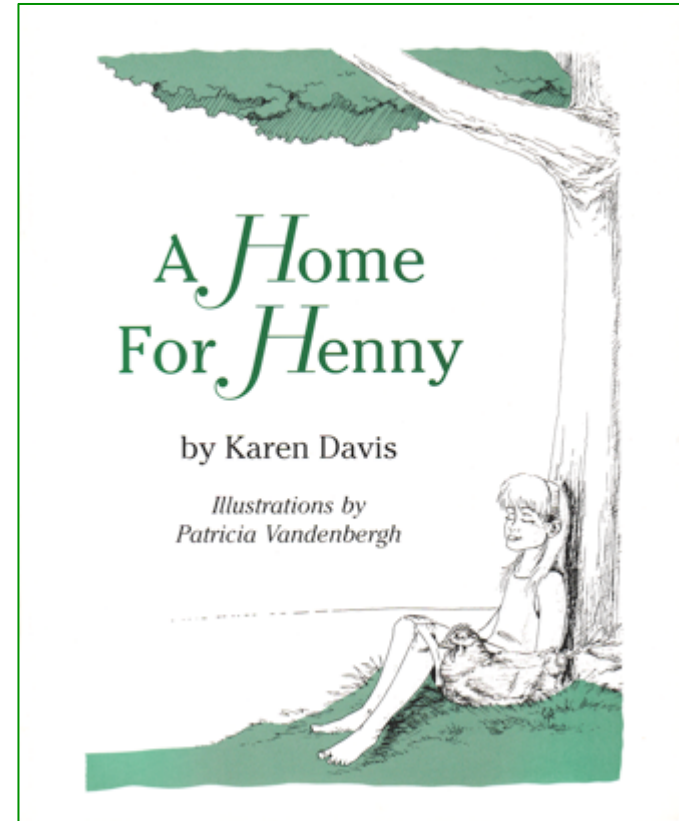


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# ***A Home for Henny***

By Karen Davis

This wonderful children's book tells the touching story of a little girl named Melanie, a hen named Henny, and the bond they develop after Henny is saved from a classroom chick-hatching project. The story shows the sweetness of hens and why hatching projects should be replaced with humane teaching about birds. Beautifully illustrated by Patricia Vandenberg, it's the perfect gift for a child, parents, teachers and your local library.





*New DVD for children K-6 (and older!)*

## ***Chickens at Play***

Produced by United Poultry Concerns  
and The Image Productions  
DVD 10:04 minutes. Grades K-6

This vibrant video shows chickens at the United Poultry Concerns sanctuary in Virginia. Starting in the morning, we see them eagerly waiting to be let outside in the yard, then racing through their door to pounce on lettuce and start their day. We watch and listen to the chickens through their daily activities into the evening as, one by one, they hop up to their perches for the night. Accompanied by lively music, this DVD includes brief explanations of what the chickens are doing in particular scenes, narrated by a young child.

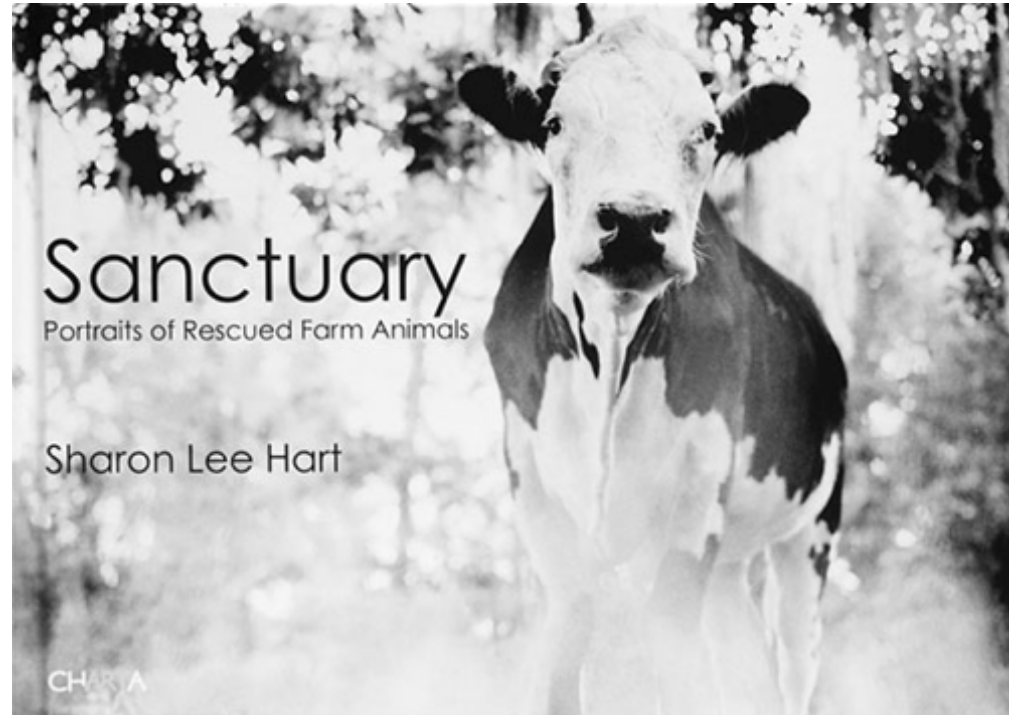


**Our sanctuary chickens and ducks savor a spaghetti dinner in the yard.**

# ***Sanctuary: Portraits of Rescued Farm Animals***

By Sharon Lee Hart  
Charta Books, 2012

SANCTUARY takes you on an intimate journey to meet wonderful animals and the courageous rescuers who become their companions. Everyone can “visit” a sanctuary by buying, reading & sharing SANCTUARY.

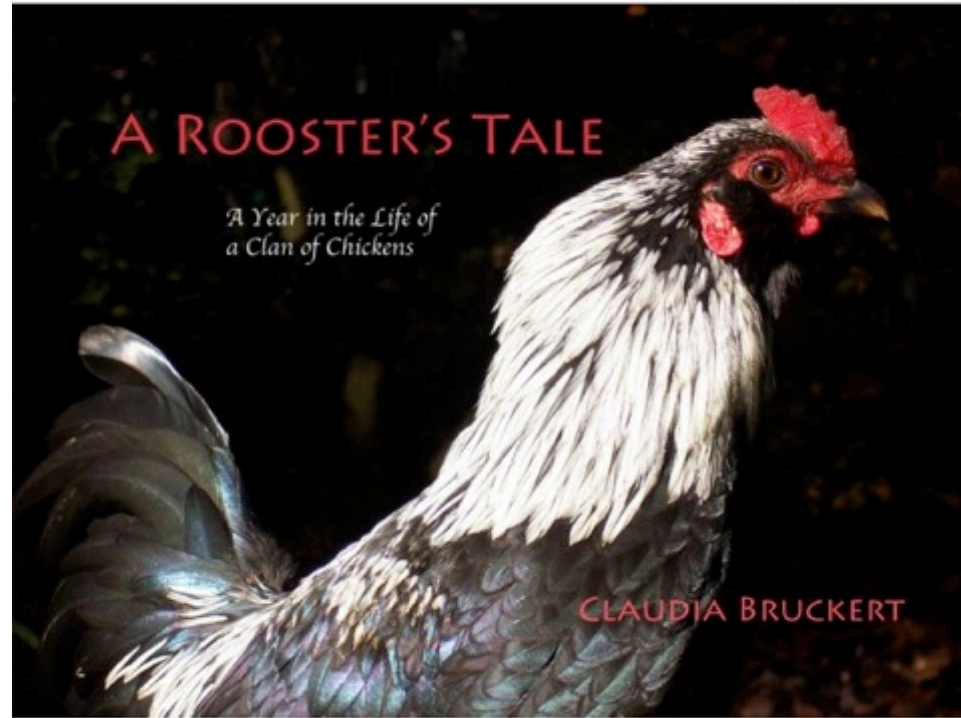


# ***A Rooster's Tale: A Year in the Life of a Clan of Chickens***

By Claudia Bruckert

Can chickens talk?  
What does a rooster do all day?  
Would a mother hen attack a hawk?  
What happens within a family of chickens?

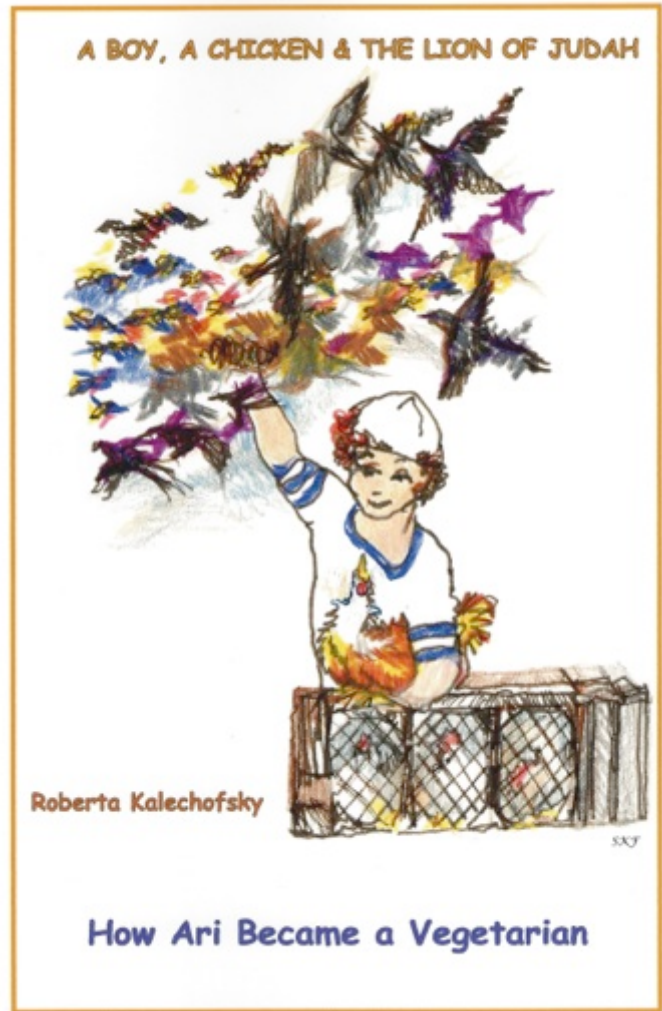
This soulful and humorous book takes the reader to a fascinating foreign world. The young rooster Change tells the real life story of his family. Enchanting events and intriguing facts, chronicled and photographed over the course of one year, convey deep insights into daily chicken life. A reading joy for children, adults, and everyone who takes animals seriously.



# ***A Boy, A Chicken and The Lion of Judah***

By Roberta Kalechofsky

This wonderfully gifted children's story, set in modern Israel, is about a young boy's quest for moral independence. An intelligent book for all ages. *Winner of the Fund for Animals "Kind Writers Make Kind Readers Award."*





# Carissa kissing Akachan



*Photo by  
Laurelee Blanchard*

# In memory of our loving turkey Boris.

*Photo by Susan Rayfield*

*"Don't Gobble Me!"  
-- Boris the Turkey*



*Turkeys are friends, not food  
- go vegan!*

# These hens rescued from battery cages find peace in our woodsy sanctuary.

*Photo by Davida G. Breier*





**While his hens  
dustbathe, Ivan  
keeps watch on  
a beautiful day  
in May at  
United Poultry  
Concerns.**

*Photo by Richard Cundari*





# Come See What a Chicken Can Be



The Joy  
of Chickens

## When a Chicken is Free!

United Poultry Concerns • P.O. Box 150 • Machipongo, VA 23405  
Tel. 757-678-7875 • [www.upc-online.org](http://www.upc-online.org)

# **Florence and me at UPC – What a Turkey Can Be When She is Almost Free!**

*Photo courtesy of The Virginian-Pilot*



For more information, visit



**PO Box 150, Machipongo, VA 23405**