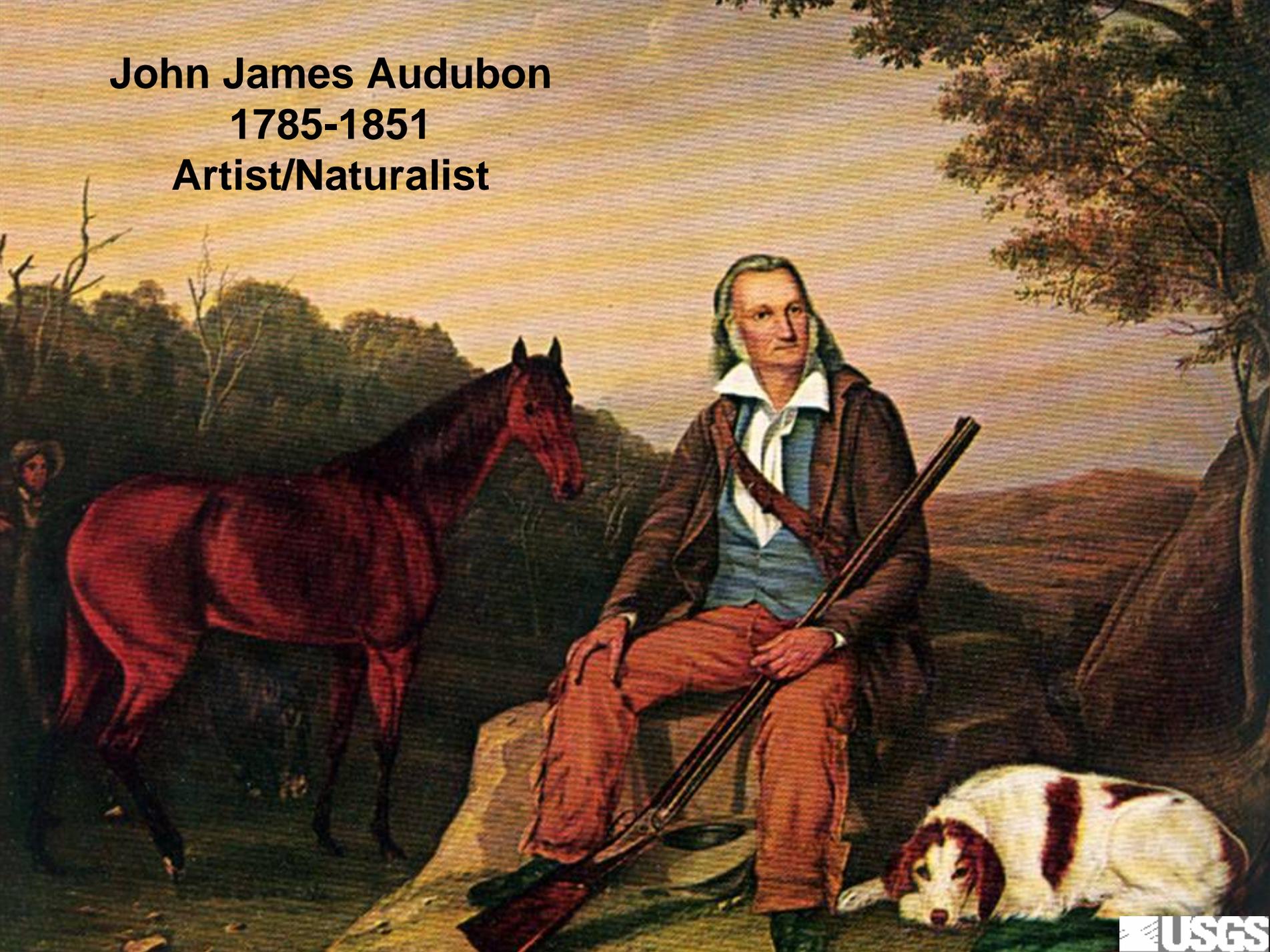


Land Management Research: the People and Science behind Conservation



**Matthew C. Perry
Patuxent Wildlife
Research Center**

John James Audubon
1785-1851
Artist/Naturalist





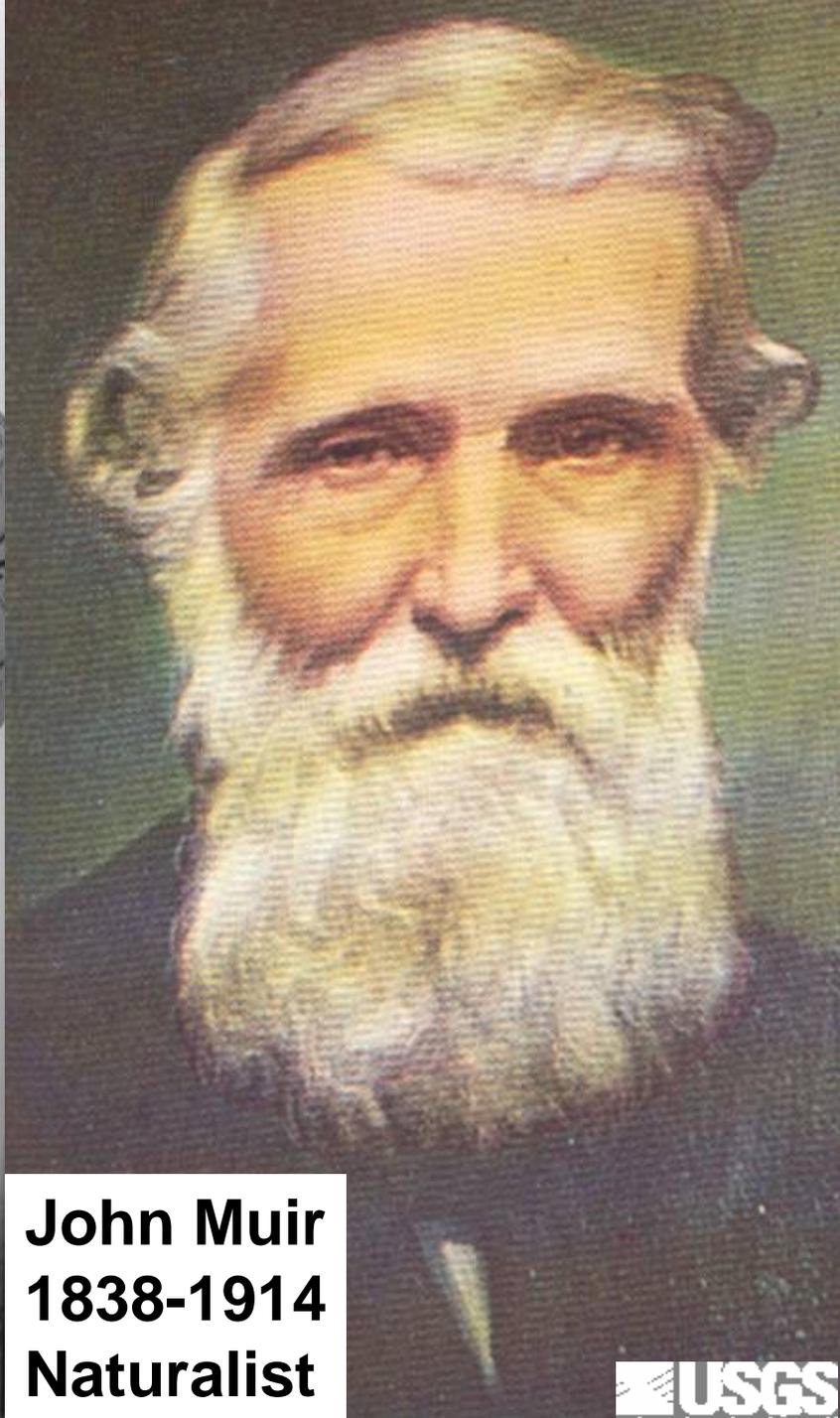
Migratory Bird Treaty Act – 1918
Protected all migratory birds
Allowed hunting seasons on some



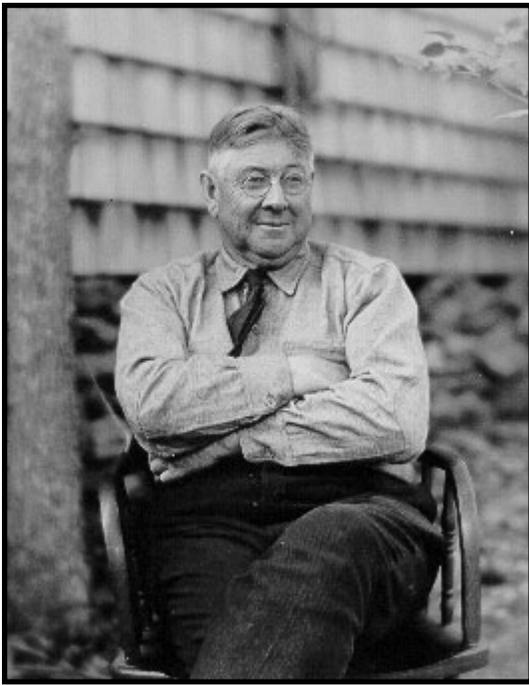


**Migratory Bird Treaty Act
prohibited trade in all
migratory birds feathers**

Teddy Roosevelt
1858-1919
President (1901-09)



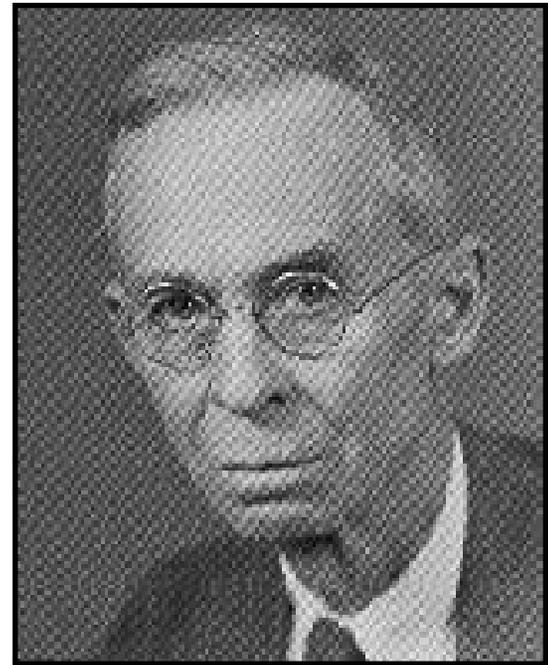
John Muir
1838-1914
Naturalist



Albert K. Fisher
1856-1948

**Conducted food
habits on birds**

***Hawks and Owls of the
United States – in their
relation to Agriculture (1893)***



Vernon O. Bailey
1864-1942

Chief Field Naturalist
Collected 13,000 specimens

**Believed in humane
animal trapping**
Developed Ver-Bail Trap

Gold Mining



Soil Erosion







HUGH HAMMOND BENNETT

1881-1960

Father of Soil Conservation

Soil Erosion
Service (DOI)

Soil Conservation
Service (USDA)

*Soil Erosion:
A National Menace*

Natural Resources
Conservation
Service

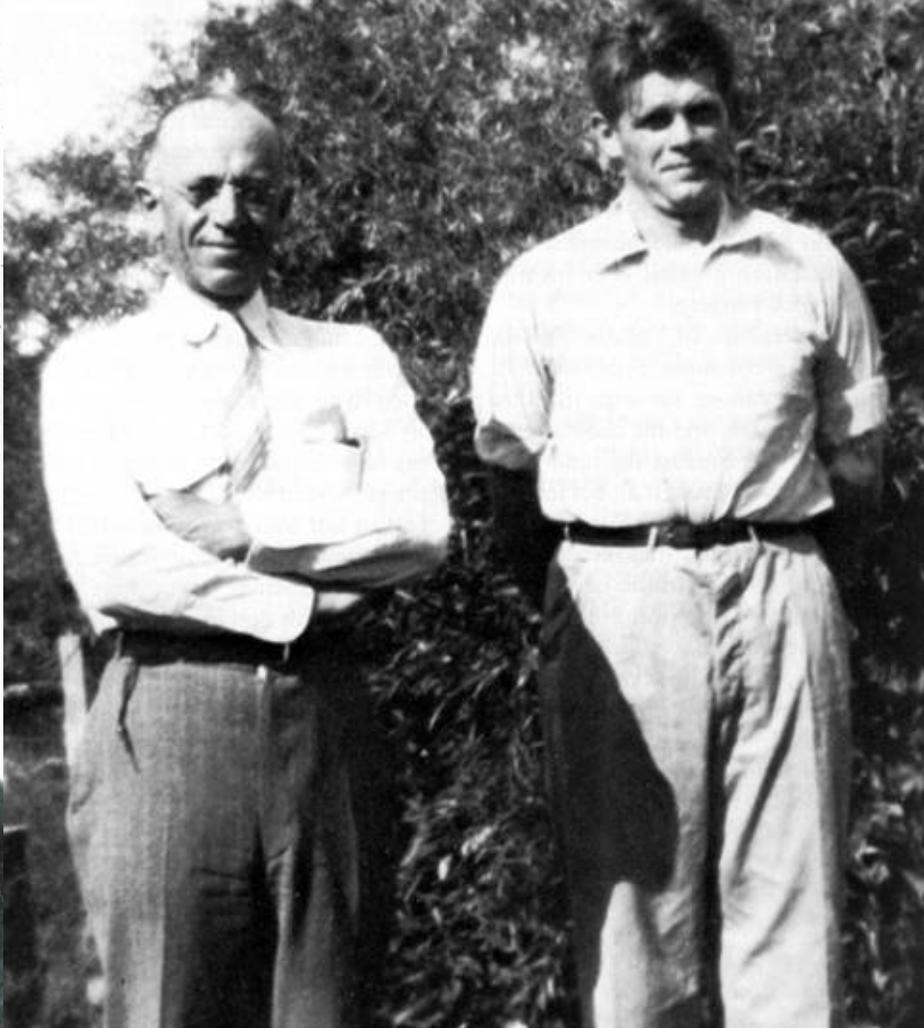
Billy Teels

Charlie Rewa





Aldo Leopold
Game Management (1936)



**Aldo Leopold with
Student Al Hochbaum**
*Delta Waterfowl Station
The Canvasback on a
Prairie Marsh (1944)*





Sand County Almanac



Clarence Cottam
*Food Habits of
North American
Diving Ducks*



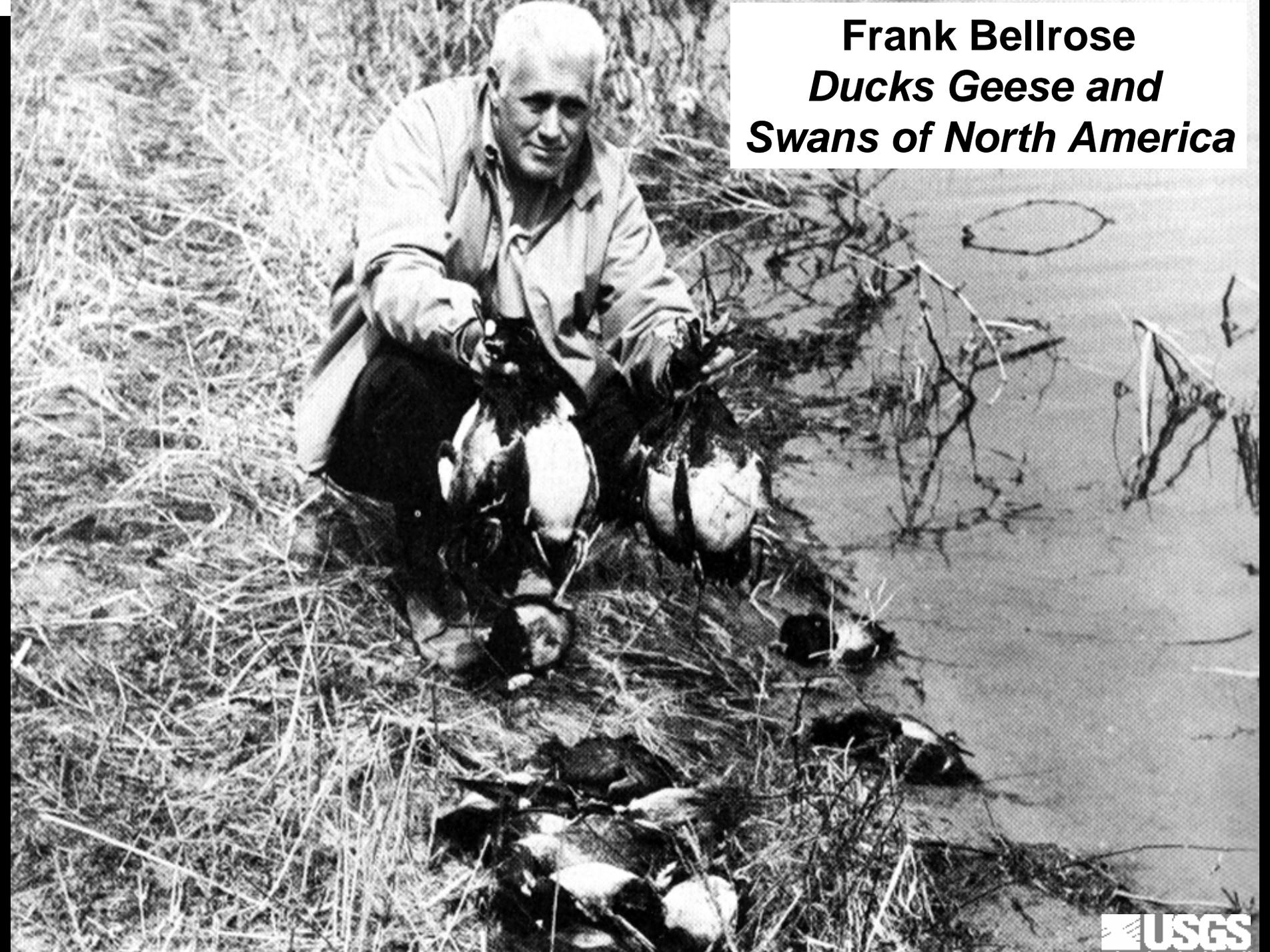
Fred Lincoln
Migration of Birds



JOHN LYNCH

**Discovered non-migratory
whooping cranes in Louisiana**

Frank Bellrose
Ducks Geese and
Swans of North America





IRA N. GABRIELSON

**Chief of Bur. of Biol.
Survey**

**Director of Fish and
Wildlife Service**

**Founder of Patuxent
Research Refuge**

Jay "Ding" Darling



December 16, 1936 Executive Order 7514 Transferred 2670 acres to USDA for Patuxent Research Refuge 'to effectuate further the purposes of the Migratory Bird Conservation Act'



- **June 3, 1939 Dedication as nation's First**
- **'Wildlife Experiment Station'**
- **By Secretary of Agriculture Henry Wallace**

Dr. Ira N. Gabrielson
Dr. Leland C. Morley
Mr. Jay N.'Ding' Darling

**1939 Bureau of Biological Survey (USDA) to Dept.of
Interior**



**1940 Bureau of Biological Survey replaced with the
Fish and Wildlife Service**

**1956 Congress re-designated agency as the
U.S. Fish and Wildlife Service**

Chandler Robbins – Farm Game Program – Durward Allen

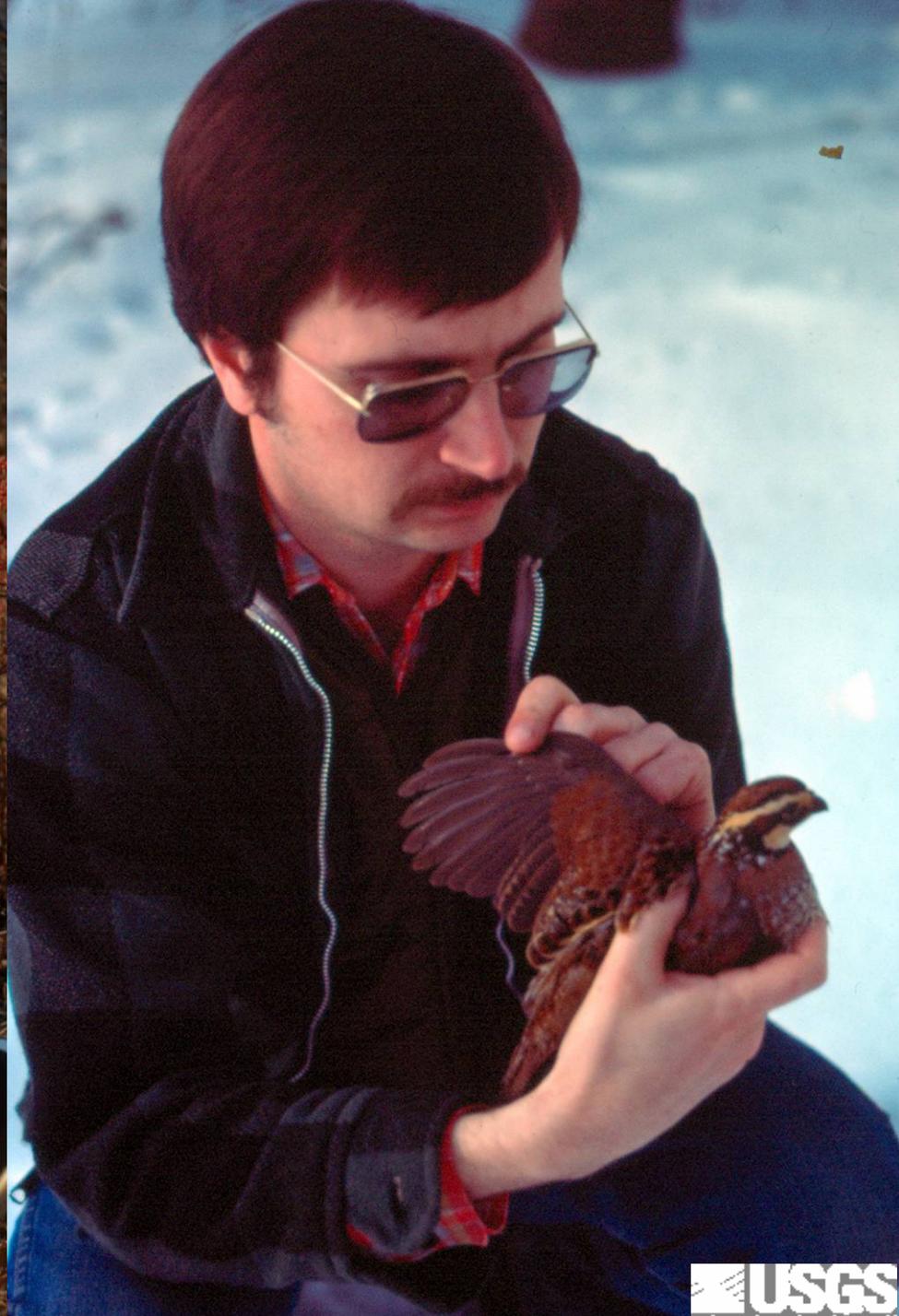


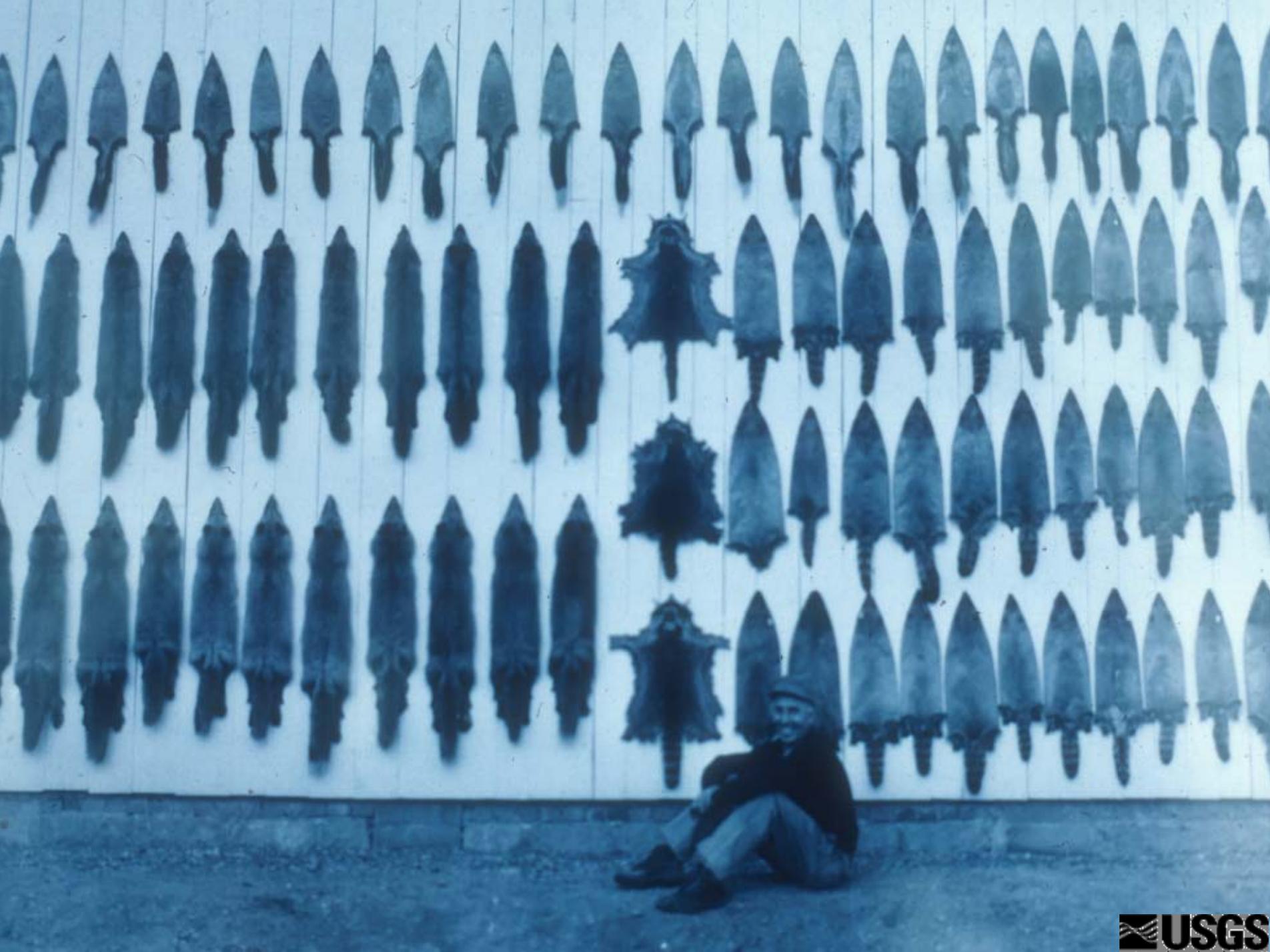


















**Mr. Gustav Swanson
Chief of Research
Headquarters, Wash., D. C.**



**1942-48 Mr. Arnold L Nelson – Head of Research
1948-59 Mr. Nelson – Director of PRR**



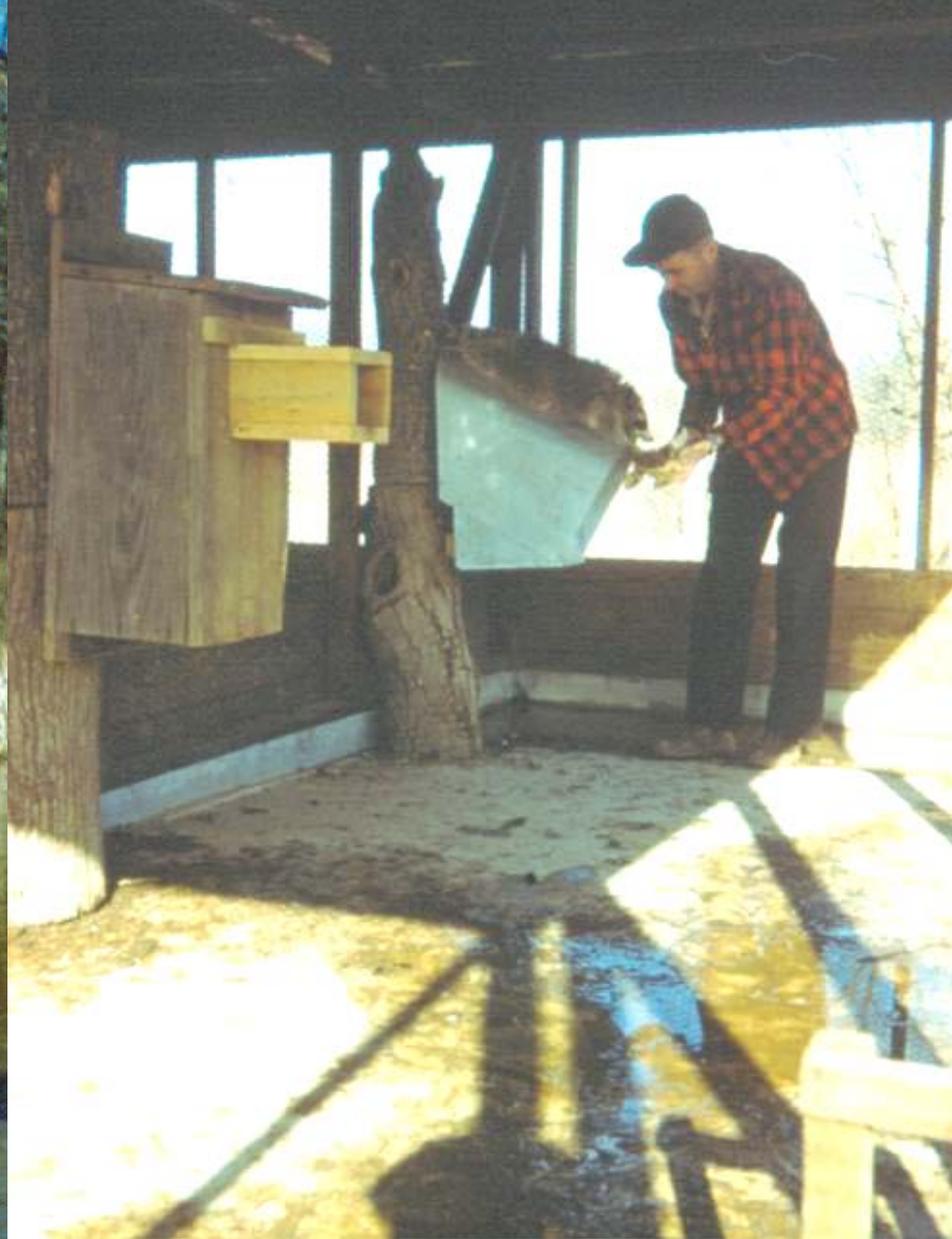




RALPH ANDREWS



CLARK WEBSTER



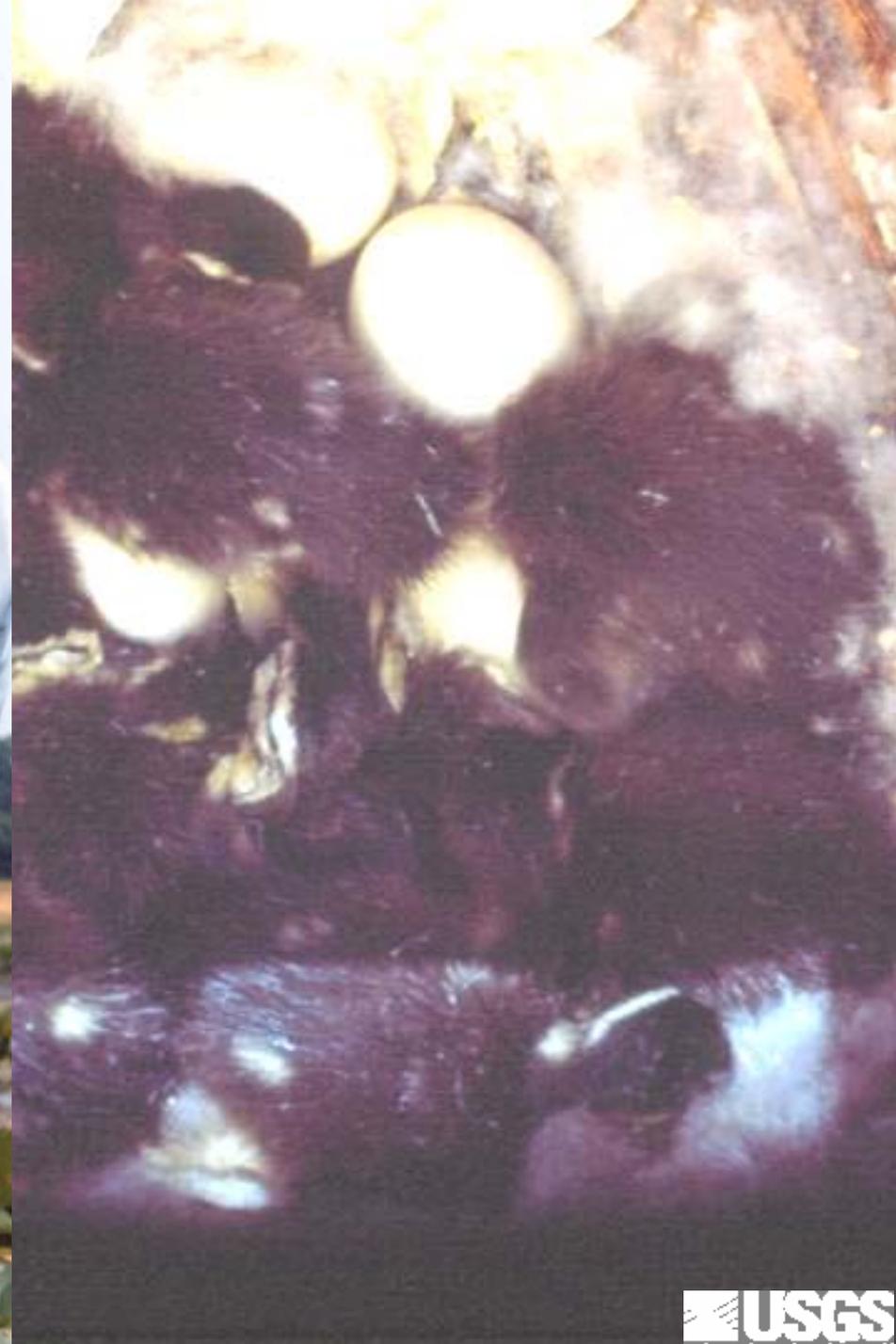
Raccoon Deterrent Studies



Starling Deterrent Studies

Frank McGilvray

Fran Uhler





FRANK MCGILVRAY



Fran Uhler installing his last nest box at Patuxent



**Non-migratory Geese
Resident Geese**

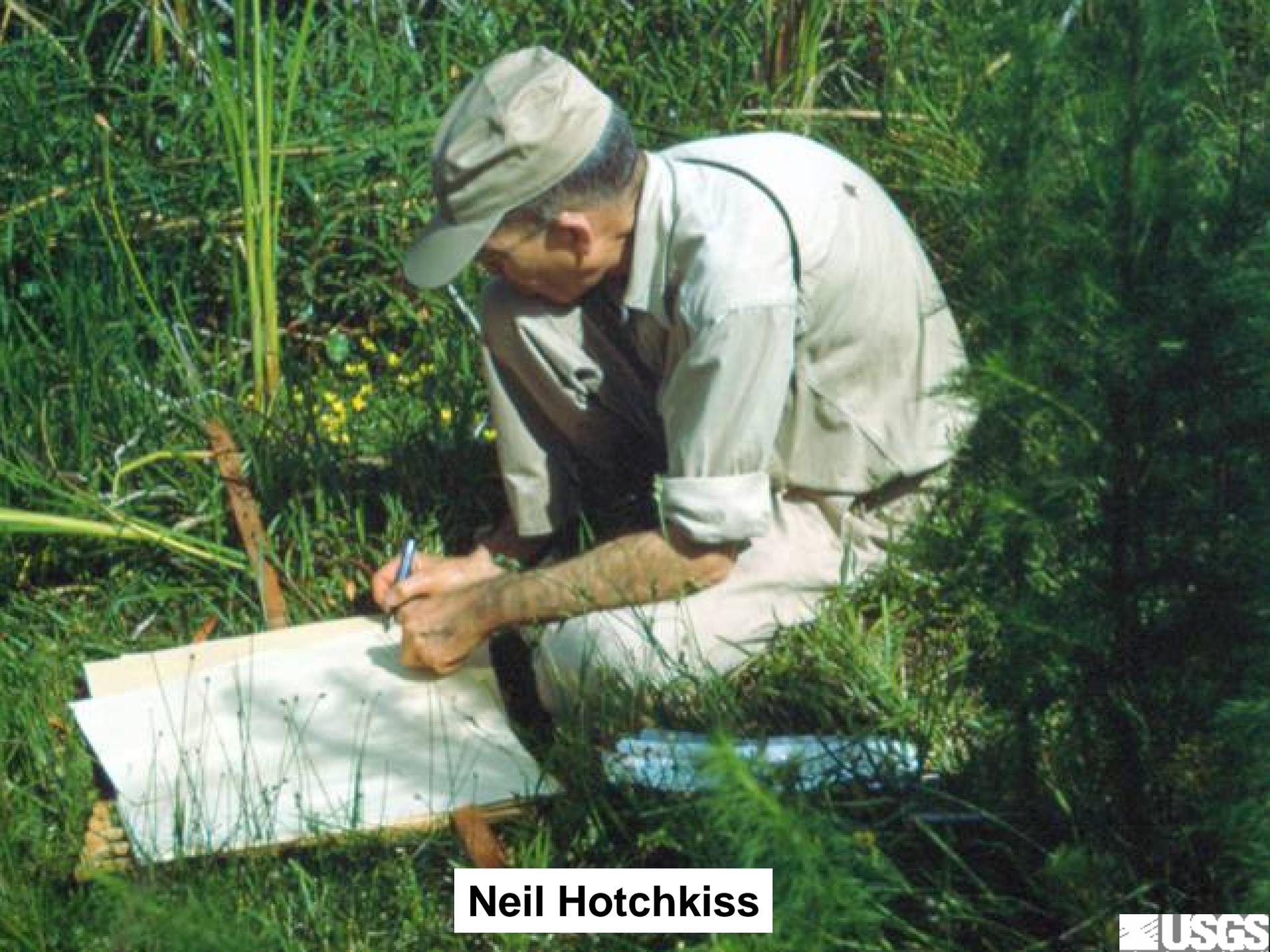
Nuisance Geese







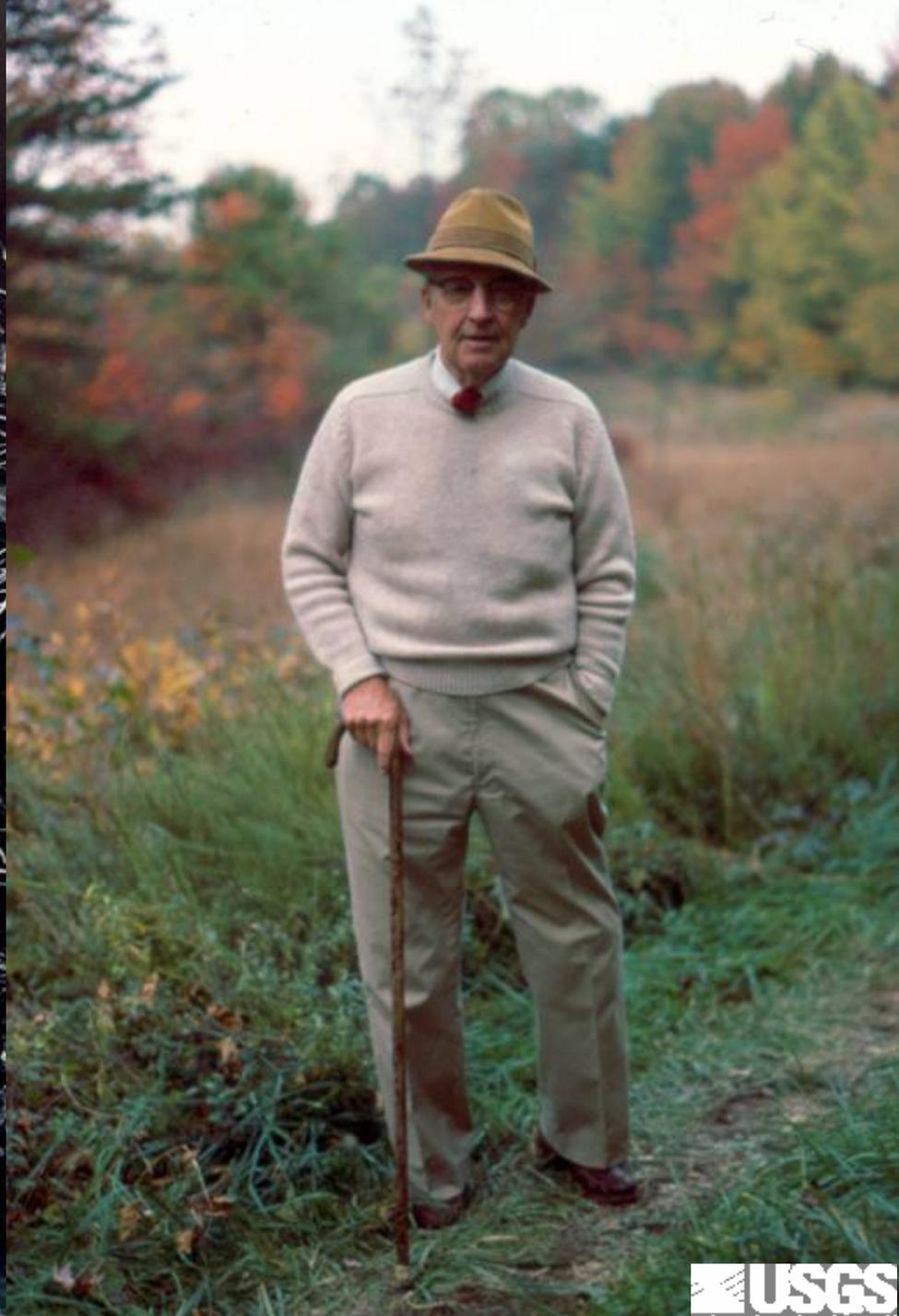
Moist Soil Management



Neil Hotchkiss



BROOKE MEANLEY

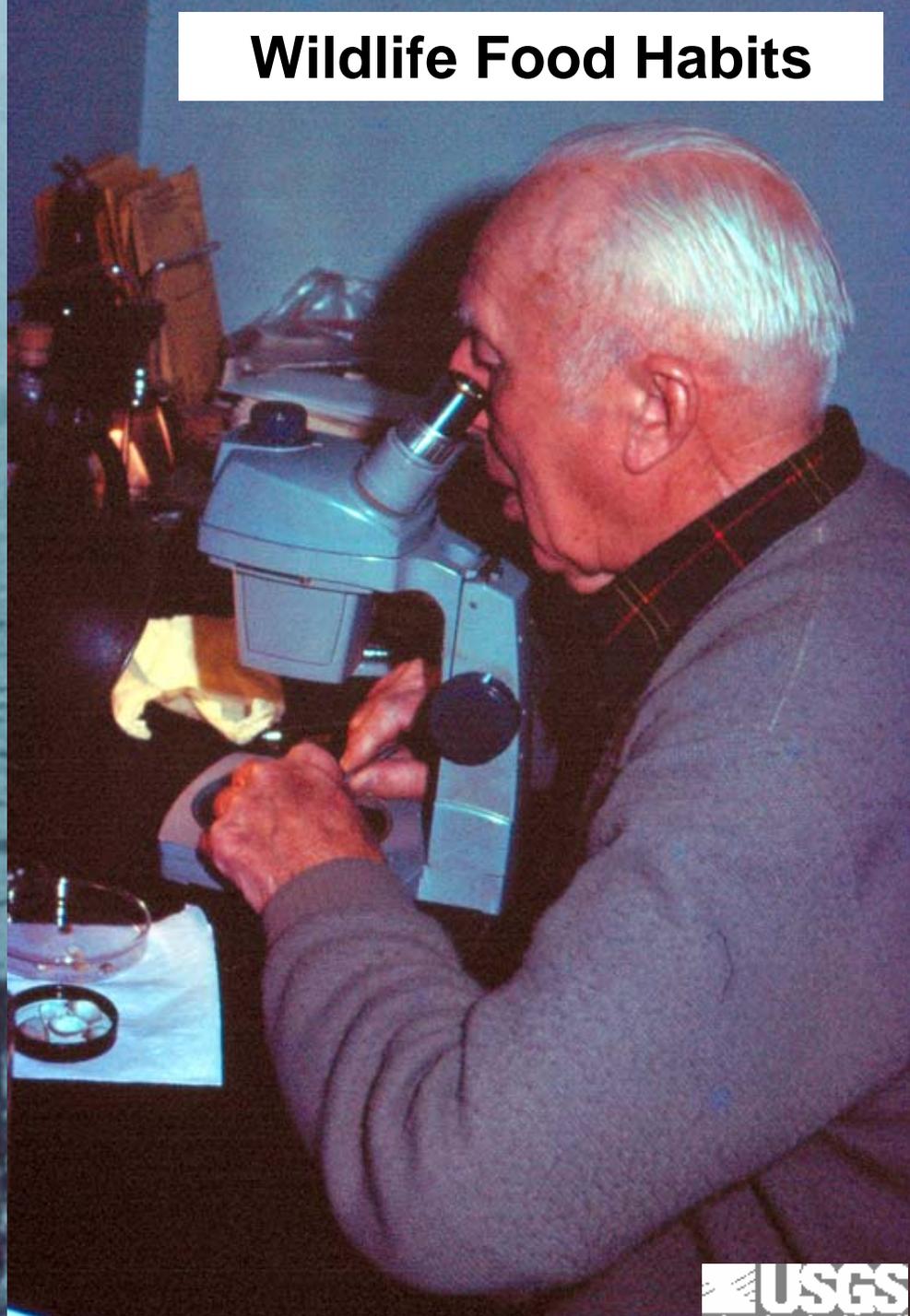






Wildlife Food Availability

Wildlife Food Habits



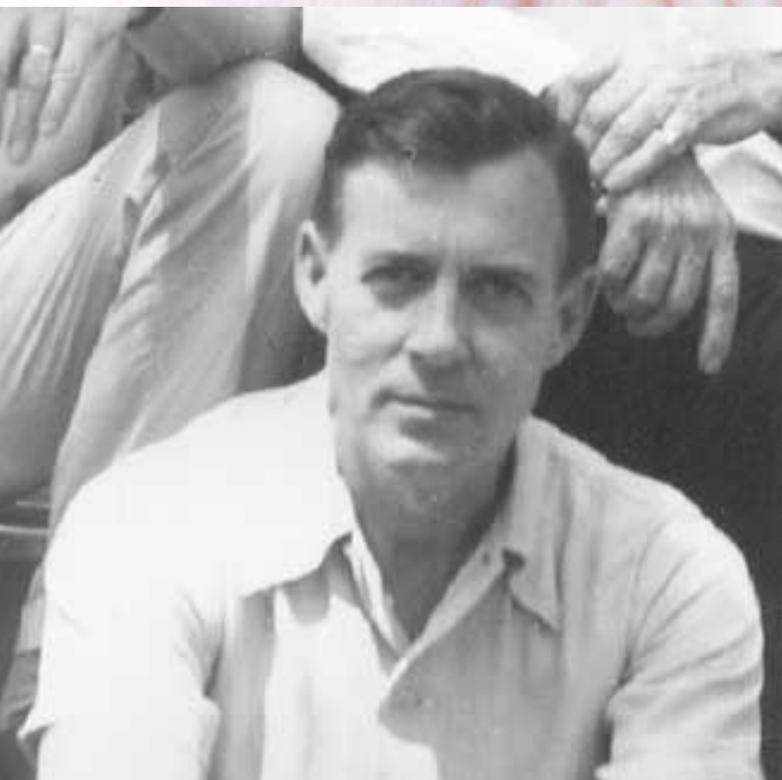
Wildlife Disease Shillinger, Coburn, Locke





Bill Stickel working with Potomac Electric Power Company (PEPCO) developed a ROW management plan using selective basal spraying





Dr. Eugene H. Dustman
1963-72



WORM PLOTS



RACHEL CARSON

Silent Spring - 1962

Gave a talk in Snowden
Hall in 1940

Visited our library several
times during the 1950s.



John Maestrelli

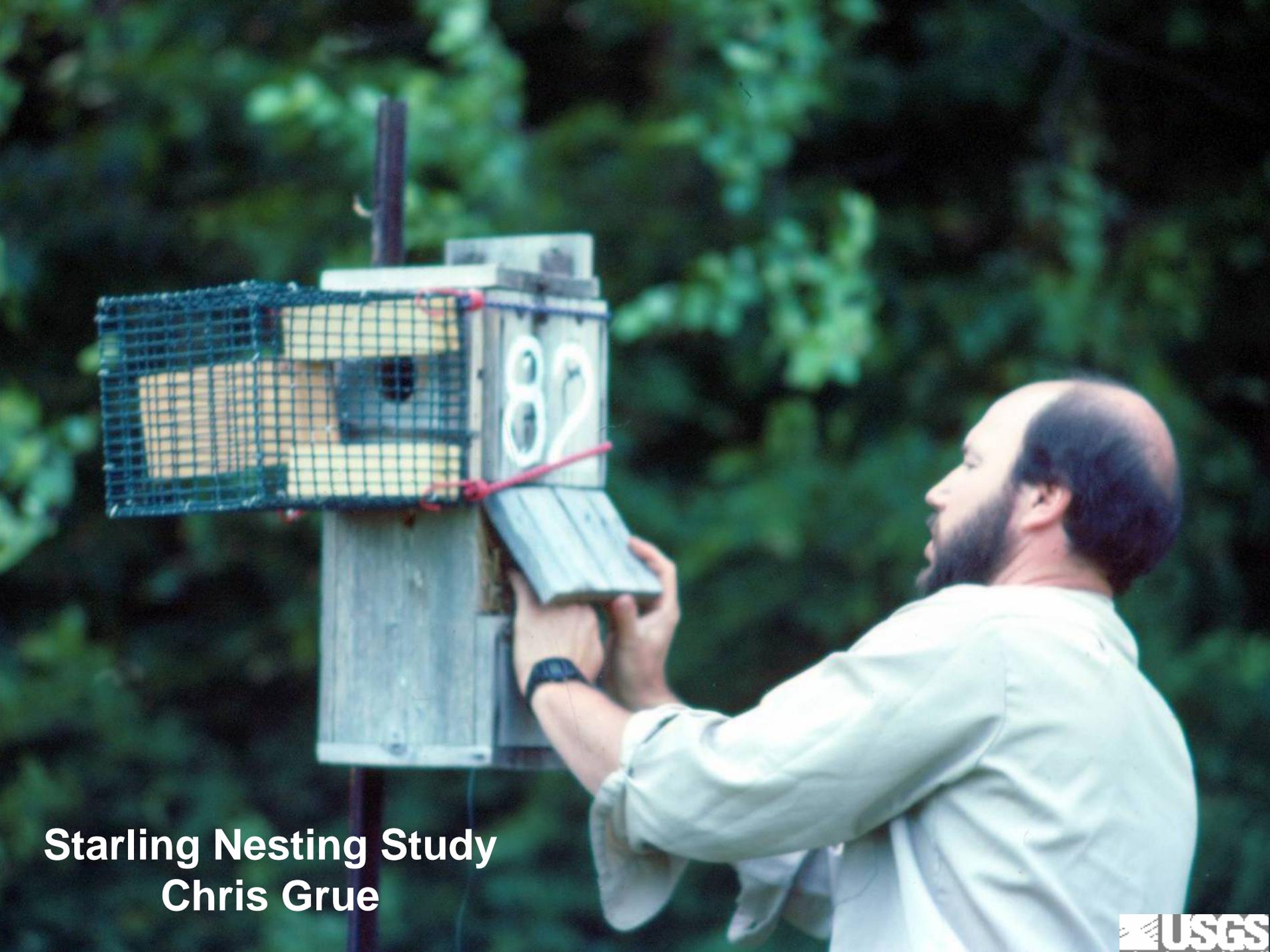


**Jerry Longcore
Black Duck DDE Study**





**Meter Square Pens
Gary Heinz
Greg Smith**



Starling Nesting Study
Chris Grue

Ray Erickson

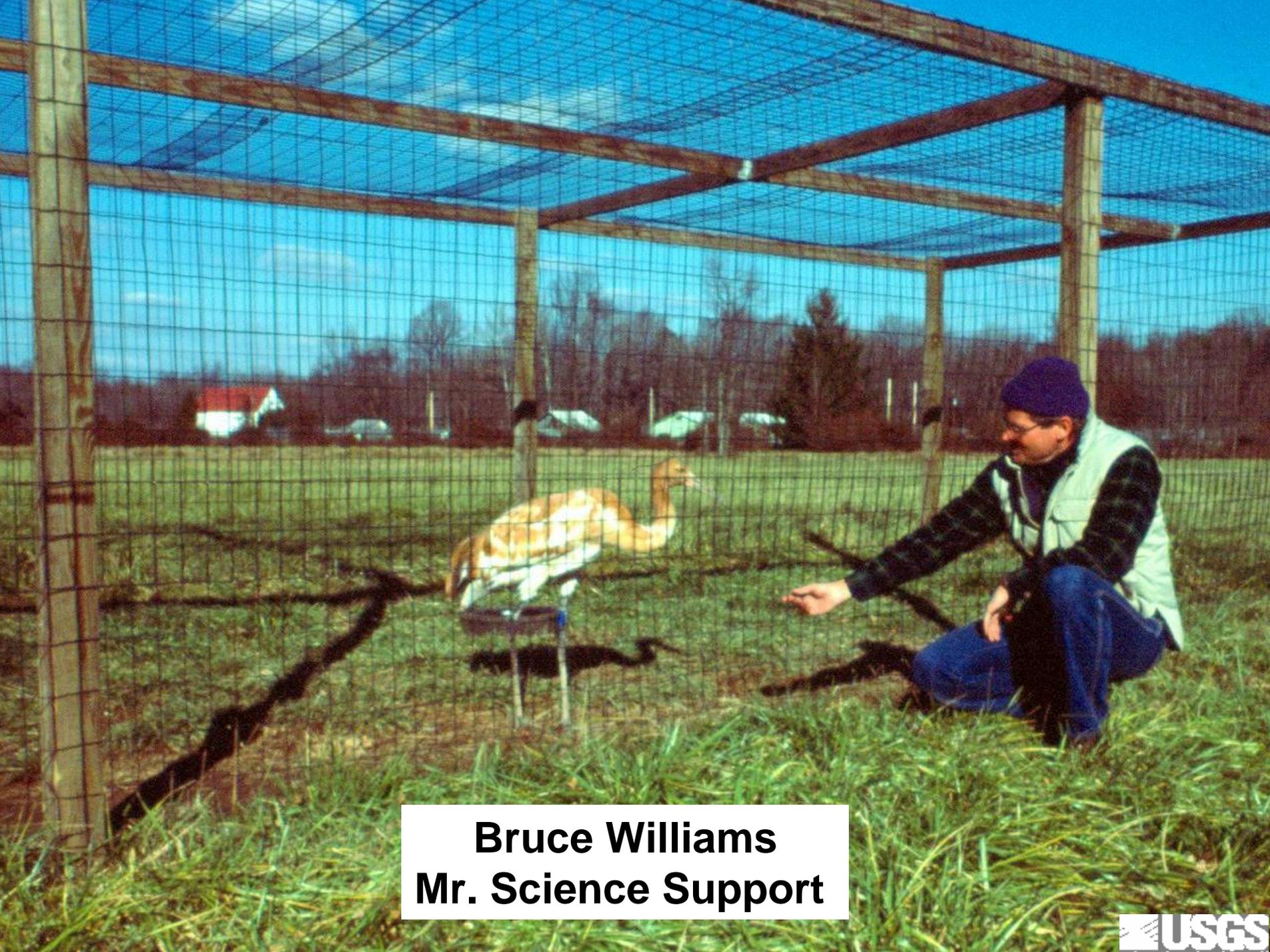






DR. GEORGE GEE



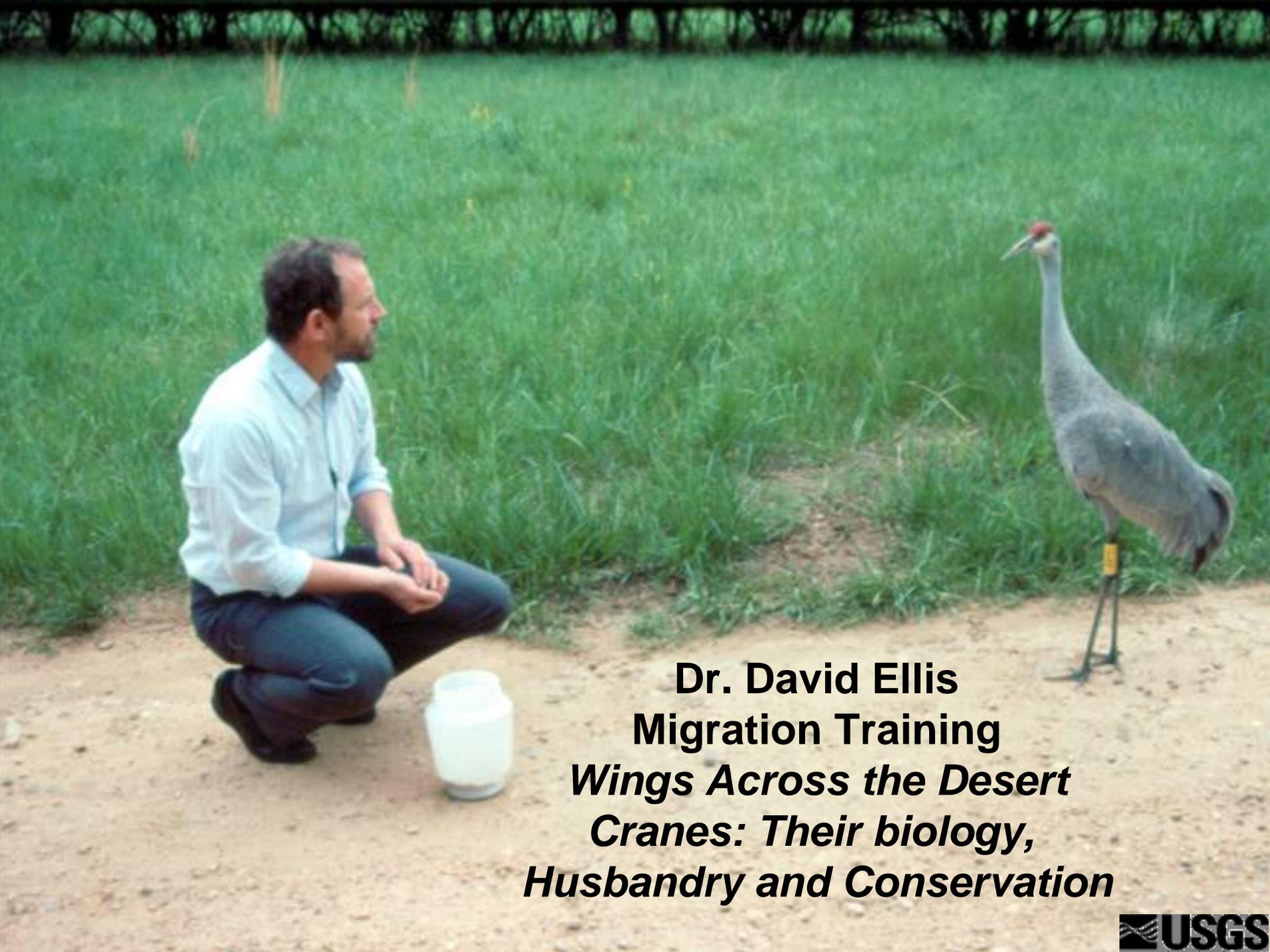


Bruce Williams
Mr. Science Support



12

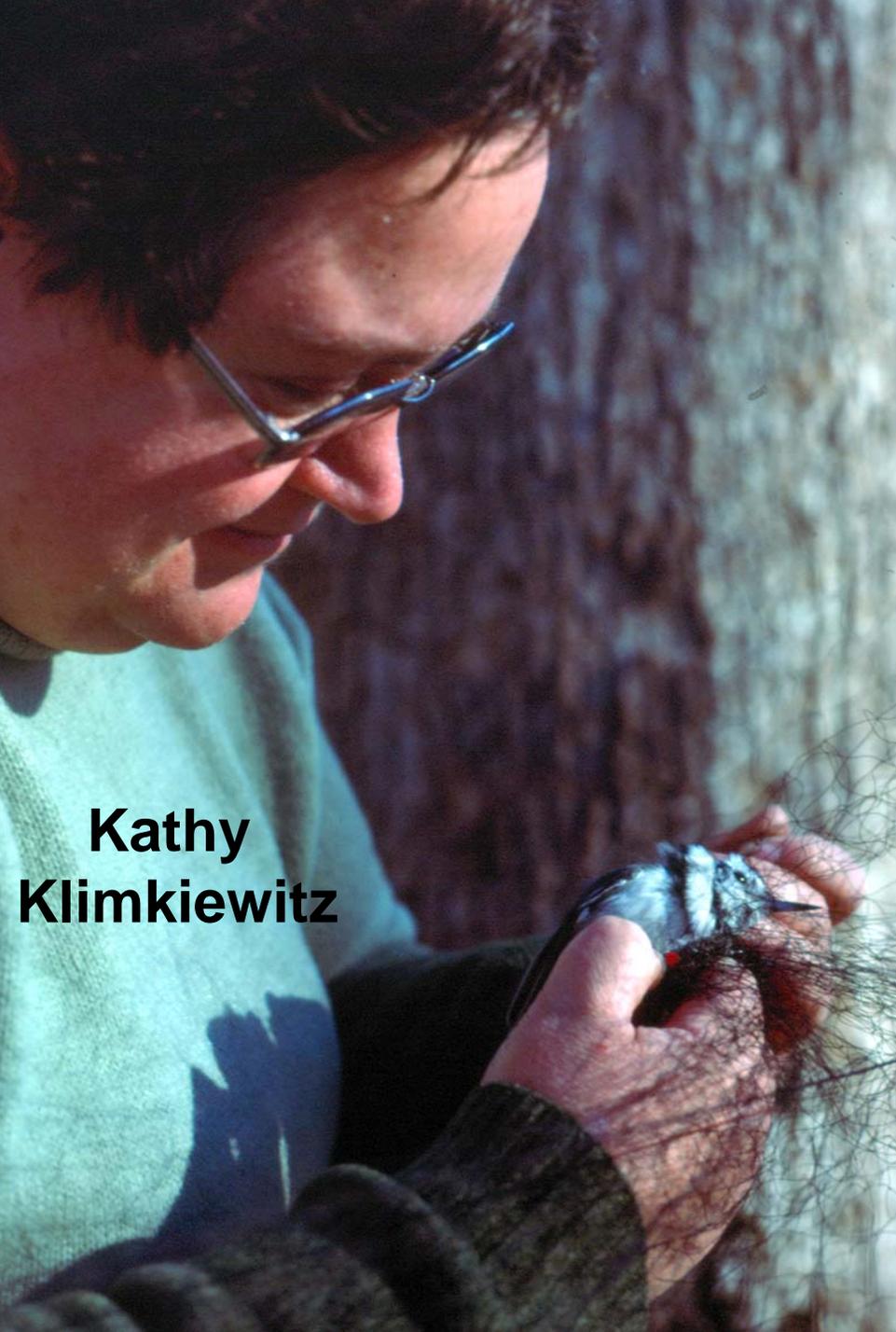
11



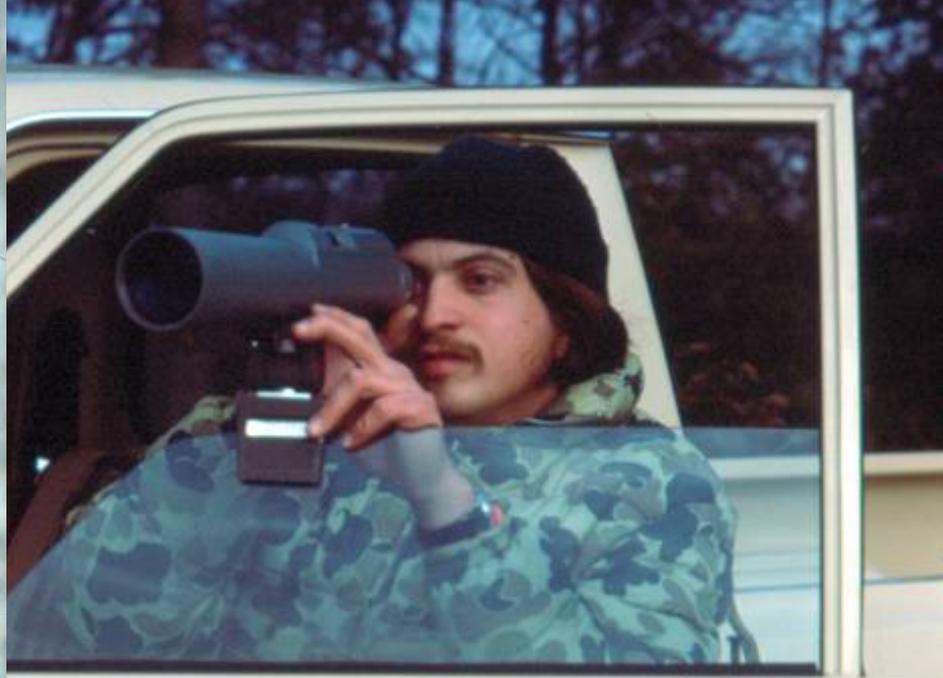
Dr. David Ellis
Migration Training
Wings Across the Desert
Cranes: Their biology,
Husbandry and Conservation



Jim Goldsberry and Al Novara



**Kathy
Klimkiewitz**



Mike Conroy

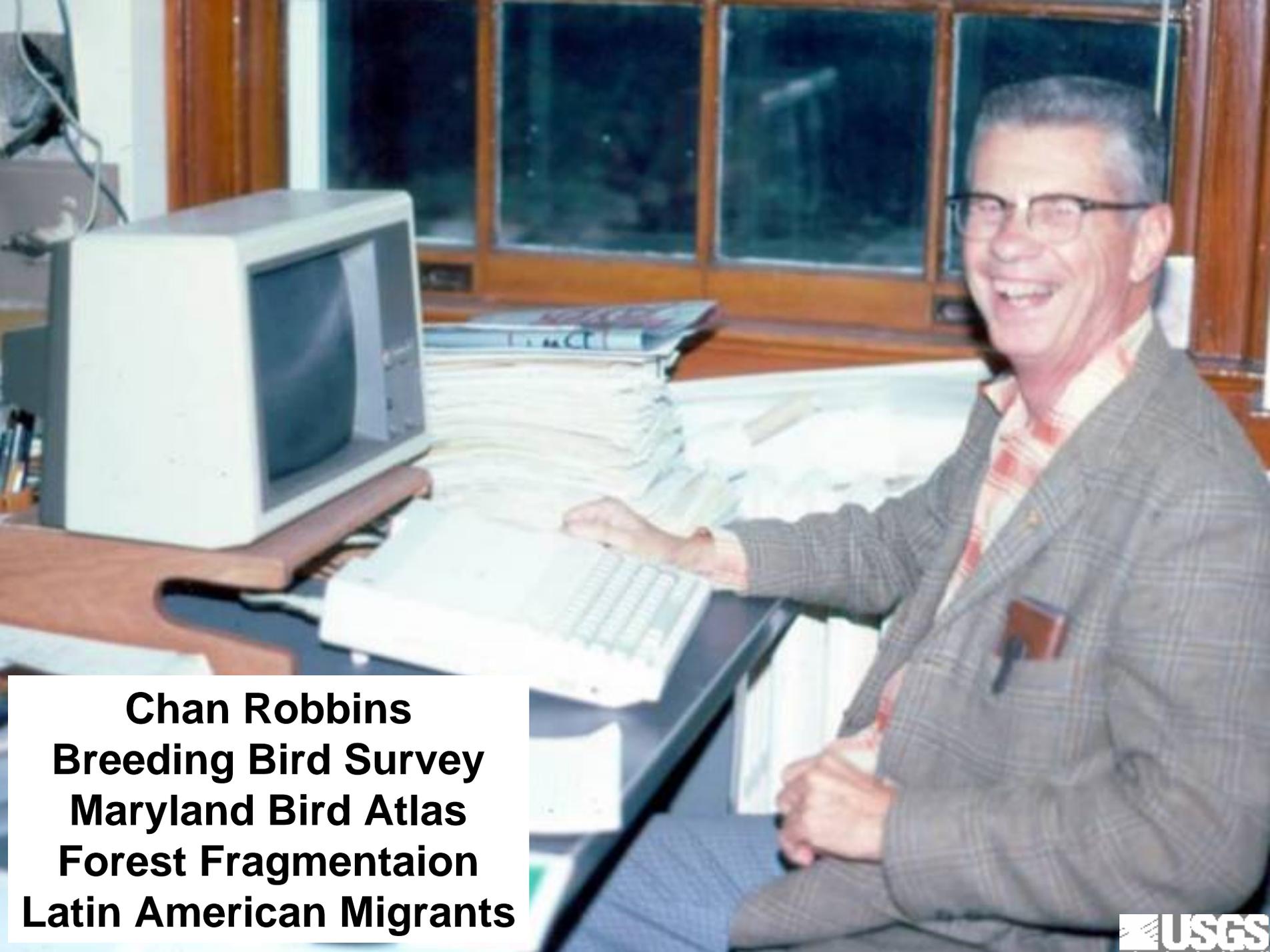




Jim Nichols and Frank Percival



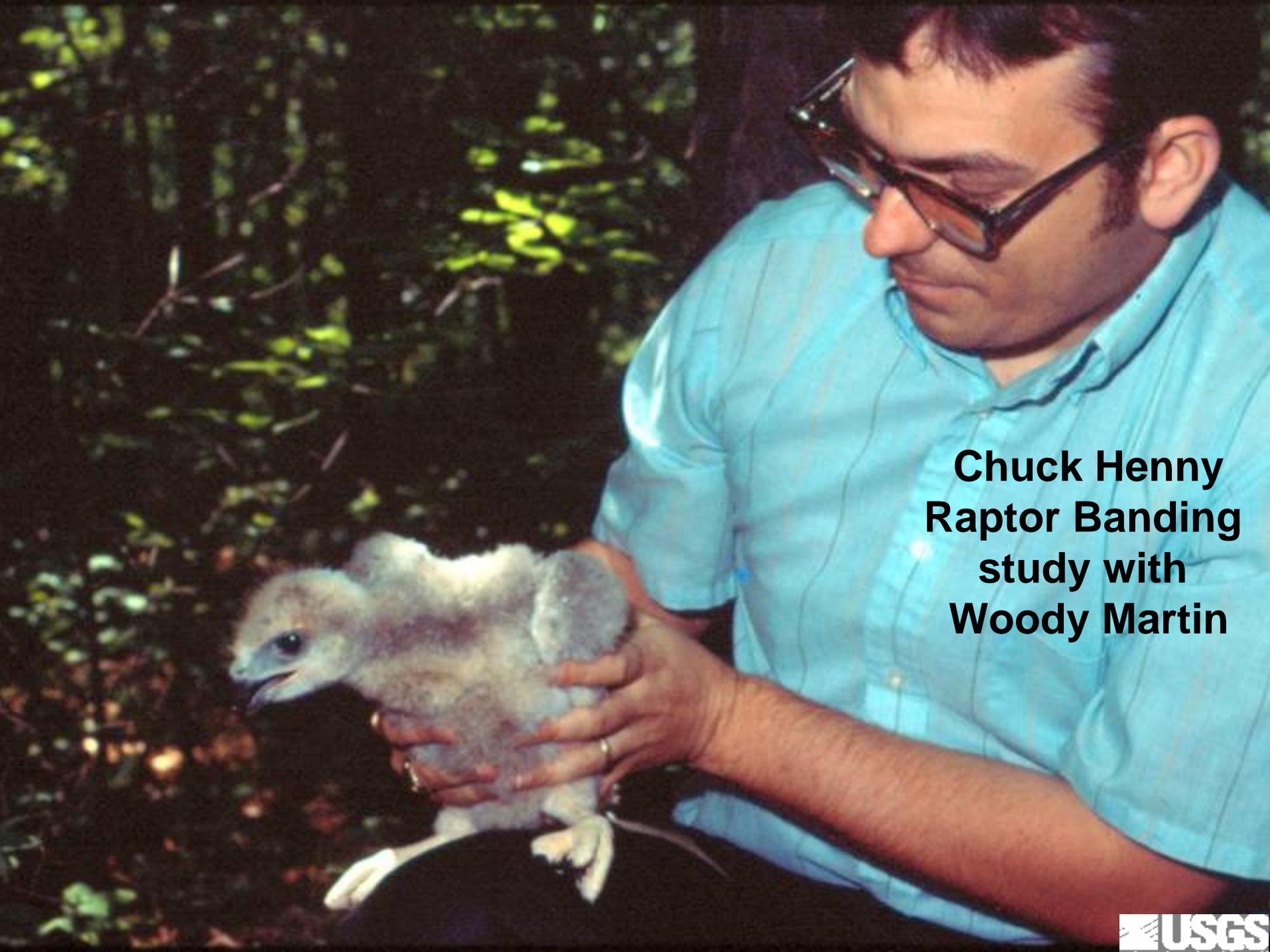
**Mourning Dove
nest with egg**



Chan Robbins
Breeding Bird Survey
Maryland Bird Atlas
Forest Fragmentaion
Latin American Migrants



Rob Hinz with *Microtus* as part of fragmentation and corridor study

A man with dark hair and glasses, wearing a light blue short-sleeved button-down shirt, is holding a small, fluffy white raptor chick. He is looking down at the chick with a focused expression. The background is a dark, dense forest with some green leaves visible. The lighting is somewhat dim, suggesting an outdoor setting at dusk or dawn.

**Chuck Henny
Raptor Banding
study with
Woody Martin**

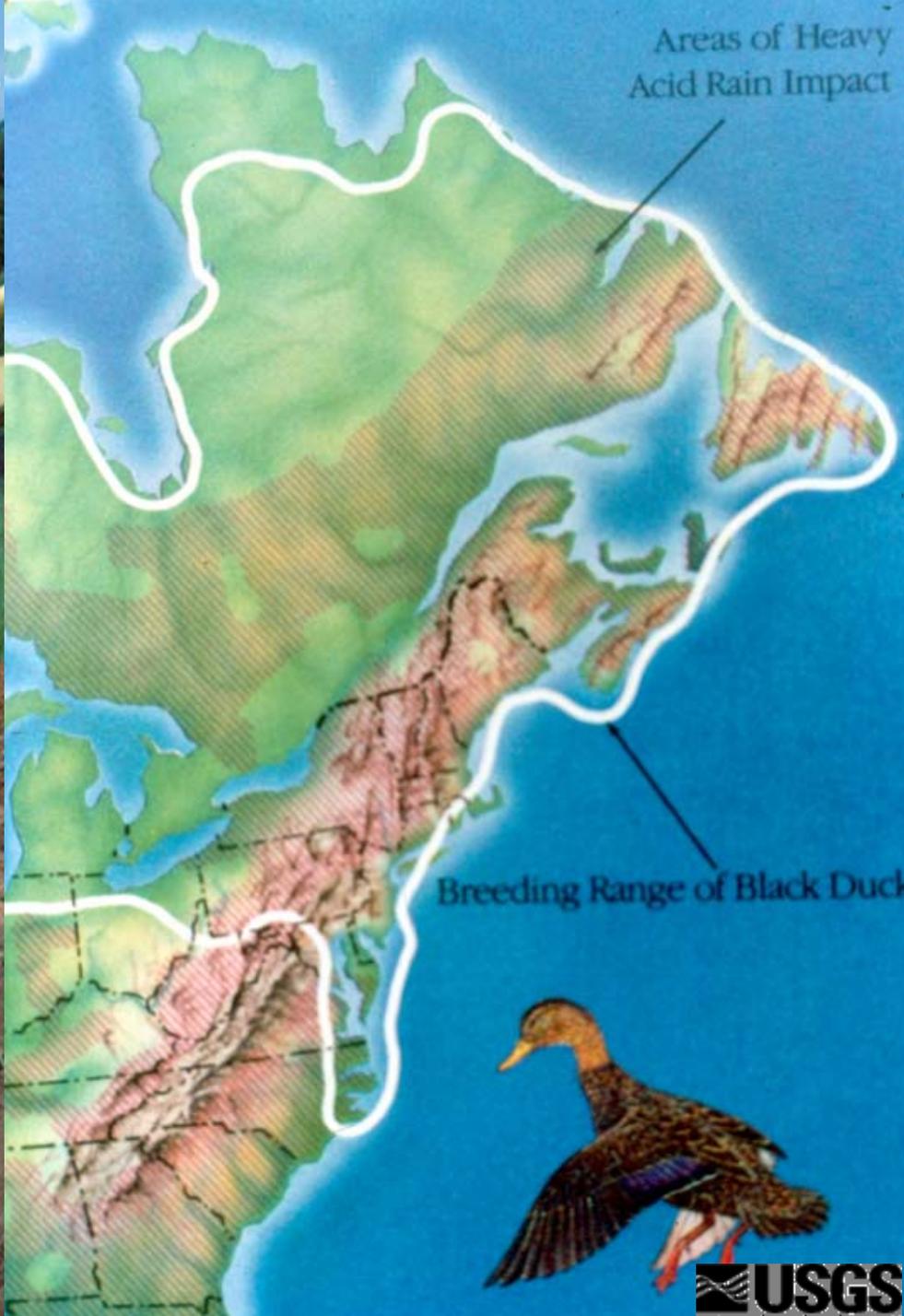
Elizabeth Bell



Mike Haramis



Tom Hobbs and Mike Haramis



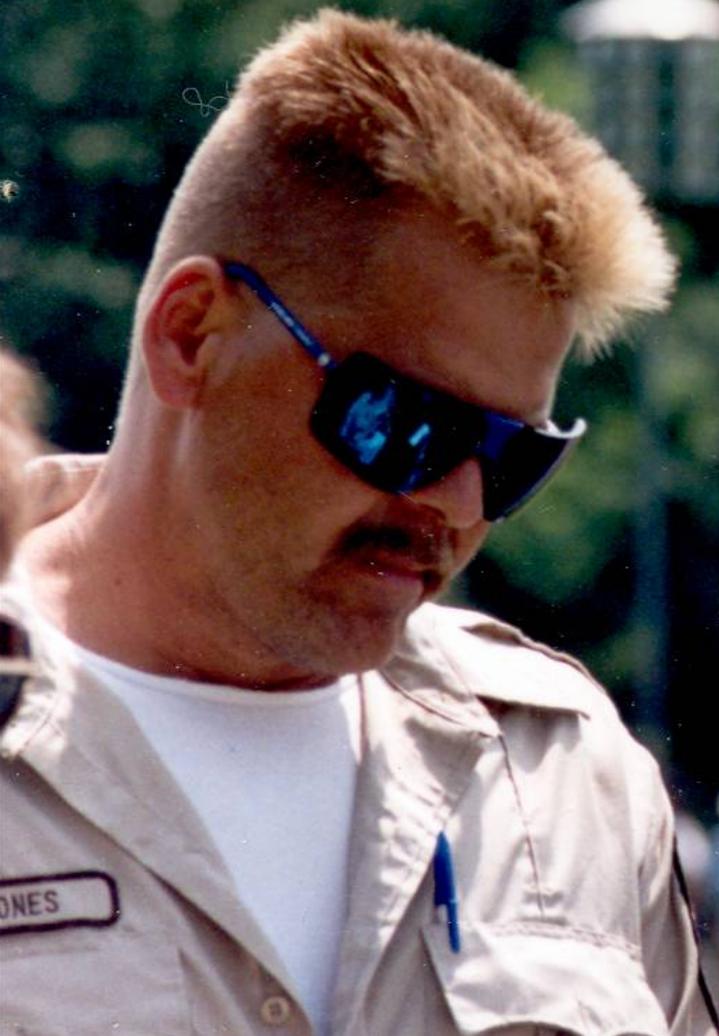


**Joe Artman and Woody Martin
Lead/Steel Shot Study with Sora
Rails in Patuxent River**

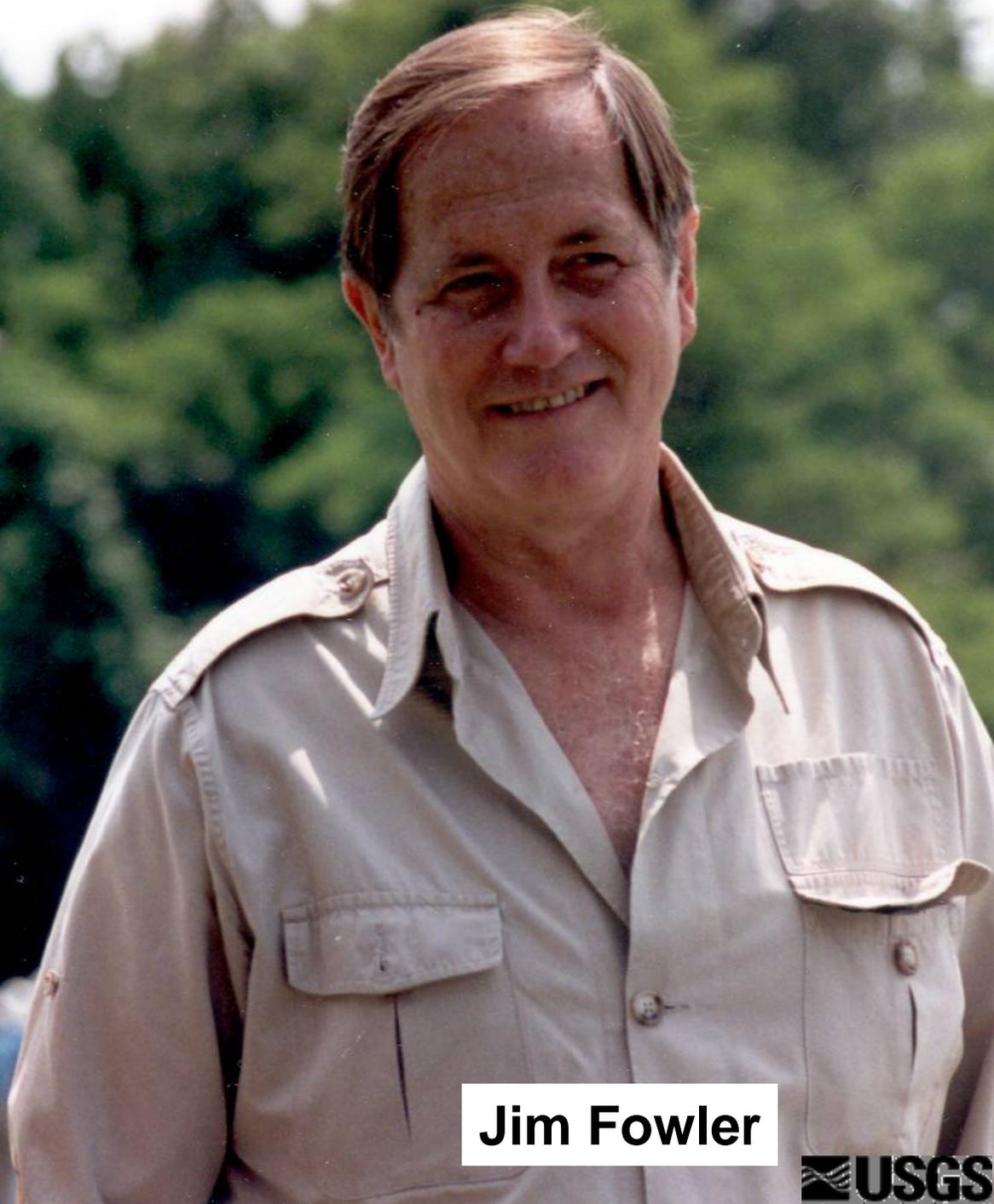
Mr. Harold O'Connor
1987-95



Lennie Jones



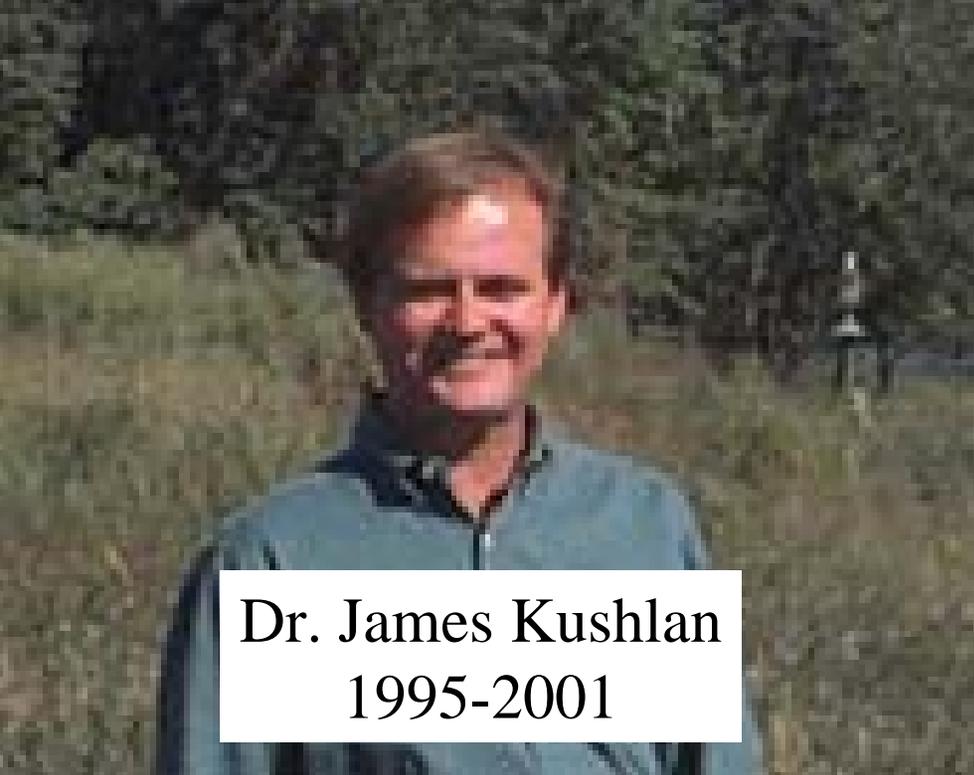
Jim Fowler







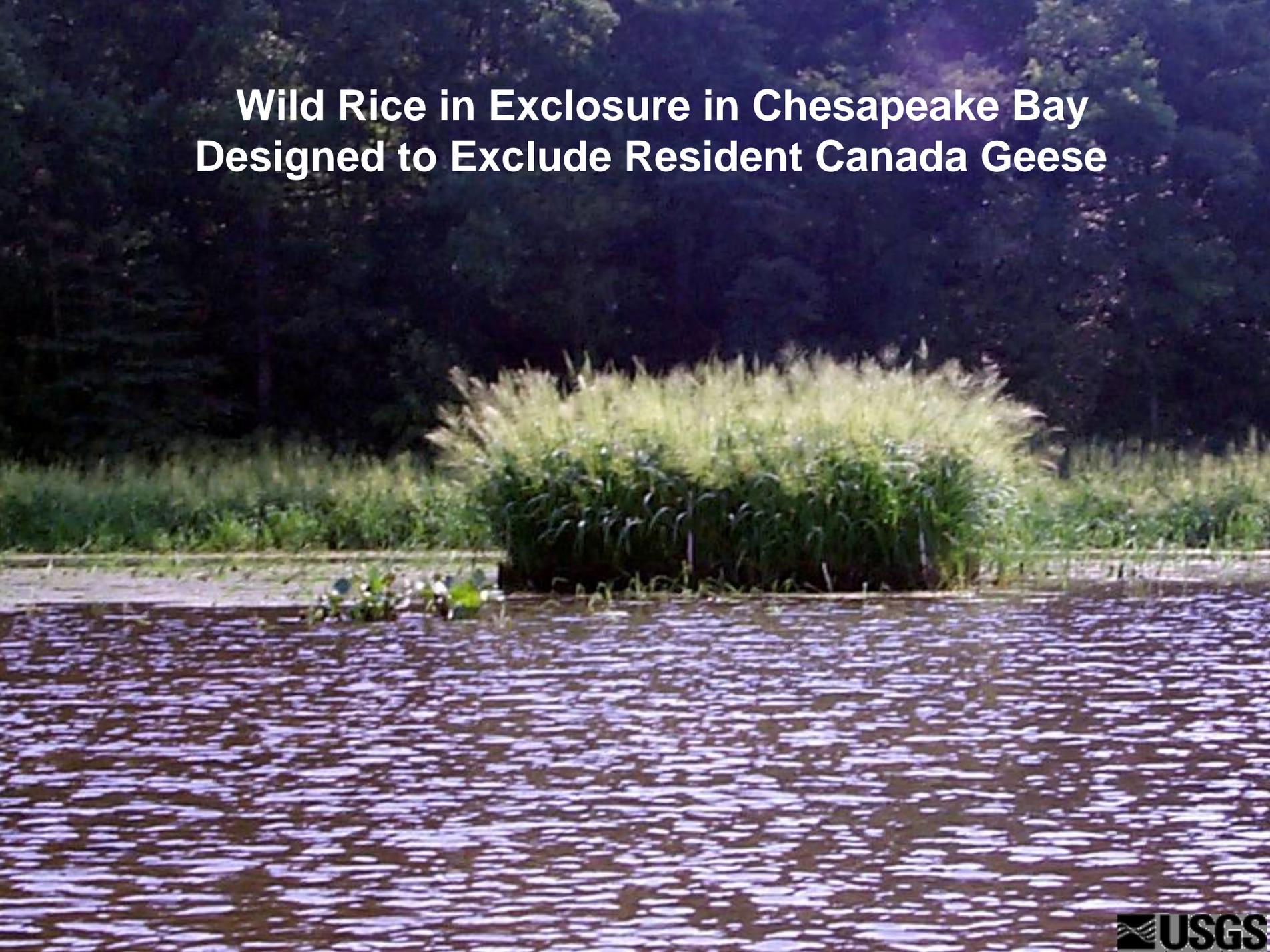
1993 – Consolidation of all Interior Biological Research into one agency: National Biological Survey – National Biological Service

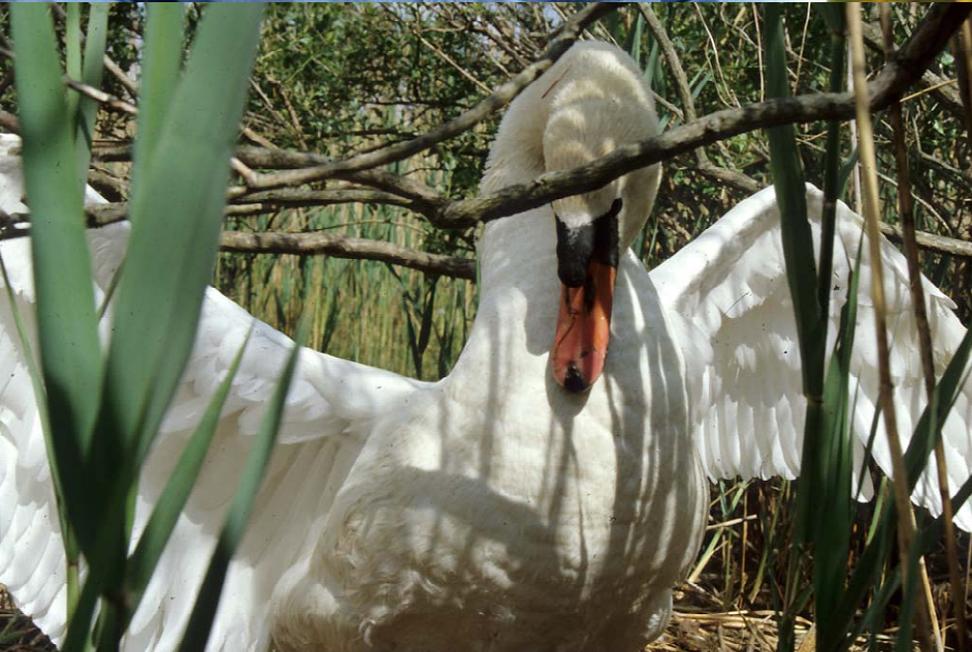
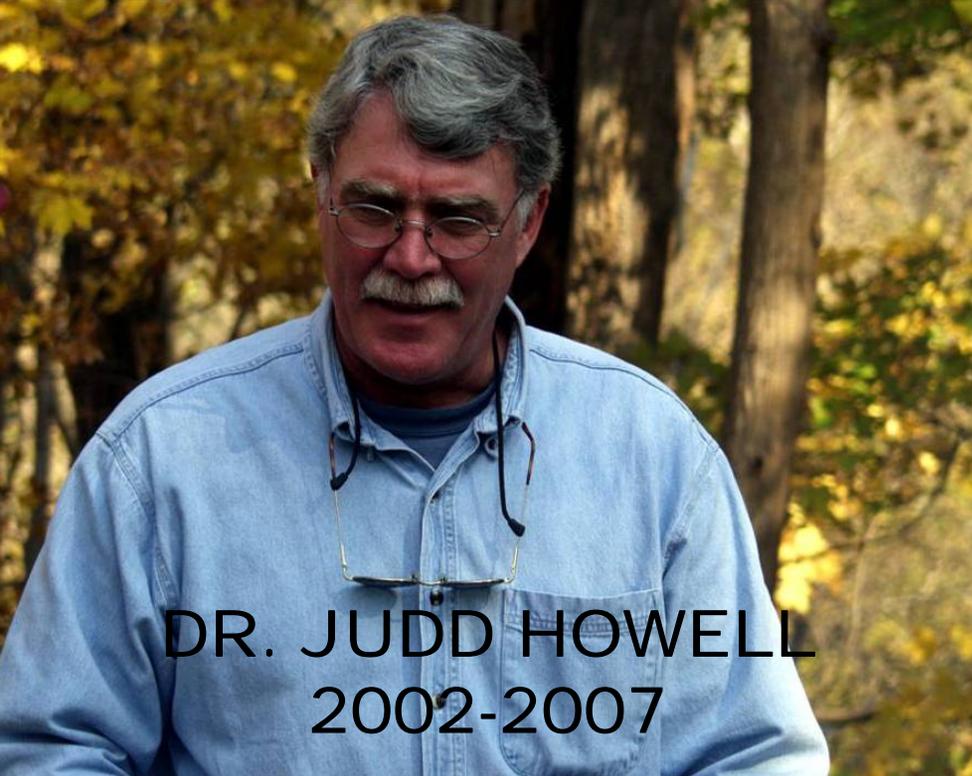


Dr. James Kushlan
1995-2001



Wild Rice in Exclosure in Chesapeake Bay Designed to Exclude Resident Canada Geese









BUR. BIOL. SUR.
USFWS
USGS