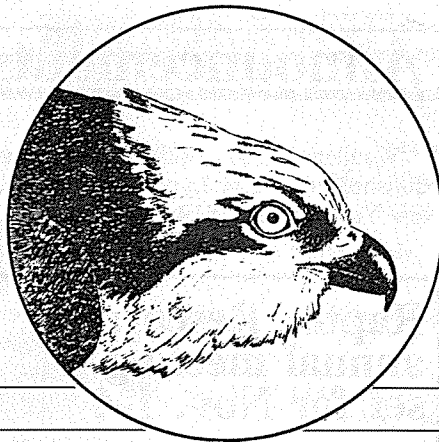


The International Osprey Foundation



International Newsletter

SANIBEL ISLAND, FLORIDA

MARCH, 1995

Study of juvenile osprey behavior wins 1994 TIOF grant

The International Osprey Foundation awarded its 1994 research grant to Lauren N. Gilson, a graduate student in raptor biology at Boise State University in Boise, Idaho.

Gilson is using the \$1,000 endowment to fund radio transmitters and field housing in her study entitled, "Behavioral Strategy Selection in Juvenile Ospreys."

She said her study goals are twofold:

"First, to determine whether individual (juvenile) ospreys use only one strategy

to maximize fitness during the transition from nestling to fledgling (pure evolutionary stable strategy, or ESS), or switch to a new strategy, or alternate between strategies based on circumstances encountered (mixed ESS); and second, to assess whether common factors exist among young ospreys adopting similar behavioral strategies."

She added, "Utilizing game theory, I will outline the evolutionary stable strategy options that juvenile ospreys appear to employ prior to dispersal."

She said in her application that she planned to pursue the study through natural experiments and field manipulations at Cascade Reservoir. She estimated the total cost of the project at \$13,775.

Her target was to fit 30 juveniles with radio transmitters and temporary, lightweight patagial markers. "All nestlings and fledglings with telemetry will be located and observed in six-hour blocks until they disperse," she added.

About the TIOF grant

The endowment is awarded March 31 each year.

The deadline for application is January 31.

For endowment application information, or to support the endowment program, write:

International Osprey Foundation
P.O. Box 250
Sanibel Island, FL 33957

Grant Honor Roll

1993 - **Ruth Anne Elbert**, PhD candidate in ecology at the University of California, Davis, for project, "The Use of Avian Indicator Species to Monitor Environmental Mercury Exposure." Study area: Clear Lake, Calif., close to an old mercury mine.

1992 - **Michael McMillian**, graduate student at the University of West Florida, Pensacola, for studies into the effects of pesticides on reproduction on Lake Istokpoga, Fla.

1991 - **David J. Green**, Behavioral Ecology Research Group, Simon Frazer University, Vancouver, Canada, for studies into female osprey production decisions and male parental effort.

1990 - **Gustavo Danemann**, thesis researcher with the Seabird Program at the Universidad Autonoma de Baja California, Marine Biology Dept., La Paz, Mexico, for study of ospreys in the costal lagoons of Baja California, Mexico.

Gilson's project is based on a 1993 pilot study. Her graduate supervisor is Dr. John M. Marzluff, of Greenfalk Consultants Inc., Boise.

Sanctuary manager to speak at TIOF annual meeting March 26

Ed Carlson, South Florida area manager for the National Audubon Society, will be the featured speaker at the International Osprey Foundation's annual meeting Sunday, March 26. His presentation, "Corkscrew Swamp Sanctuary: An Anniversary Overview," will be illustrated with slides.

This year is the 40th anniversary of the

sanctuary, which was created to help protect the endangered wood stork. Carlson will give a history of the sanctuary and the plight of the wood stork, which despite significant habitat preservation, is threatened by regional drainage and development.

A graduate of the University of South Florida, Carlson has worked with the

National Audubon Society for more than 20 years, 10 of them in the research department studying the ecosystem of the Corkscrew Swamp and the Big Cypress National Preserve.

His talk will follow a brief business meeting beginning at 7:30 p.m. at Sanibel Community Association, Periwinkle Way, Sanibel.

Announcements

Land use restrictions upheld for nesting bald eagles in Florida

The 2nd District Court of Appeal has ruled that the Florida Game and Fresh Water Fish Commission, by assisting a developer to establish a buffer zone to protect an active bald eagle nest, did not take or inversely condemn the developer's property.

Wildlife Law News reported last spring that after a criminal investigation involving the destruction of the nest in December 1987 and the subsequent rebuilding of the nest, the developer, Flotilla, Inc., sought the commission's help in setting up buffer zones around two nests in a commercial and residential development.

Subsequently, Flotilla was fined \$24,500 by a U.S. District Court for violating the federal Bald Eagle Protection Act.

In determining that a taking had not occurred, the court held that Flotilla retained the right to use the property in any way that would not disturb the eagle's natural habitat. The government, therefore, owed no compensation to Flotilla and may constitutionally protect wildlife whose unwanted occupation of private land arguably diminishes the market value of that land.

Jim Anista, general counsel for the commission, said the case is very important to Florida. For the first time, an appellate court held that the state's wildlife agency owes no duty to compensate a landowner for diminished market value of private land allegedly caused by wildlife management.

Also, it is the first case to address claims of physical and regulatory takings as a result of the application of Bald Eagle Habitat Management Guidelines to private lands. The use of eagle and similar guidelines for other species are not mandatory, he said.

Wanderer on My Native Shore

A book by **G. Reiger**, a former editor of *Field and Stream*, *Audubon* and *Natural Wildlife*, takes the reader on an excursion down the Atlantic coast from Maine to Key West. The author shares boyhood stories that come to mind along the way, including osprey population declines.

"Wanderer on My Native Shore" was published in 1992 by Lyons and Burford, New York (286PP, \$19.99, soft cover).

Raptor Research annual meeting set for Nov. 1-4

The Raptor Research Foundation will have its annual meeting Nov. 1-4, 1995, at the Duluth Entertainment and Convention Center in Duluth, Minnesota.

Details are available from Dan Varland, Scientific Program Chairman, ITT Rayonier Inc. Northwest Forest Resources, P.O. Box 200, Hoquiam, WA 98550, tel. (206) 533-7000.

For information about an associated symposium, "A Comparison of Forest Raptor Responses to Forest Management — A Holarctic Perspective," contact Gerald Niemi, Natural Resources Institute, University of Minnesota, Duluth MN 55811, tel. (218) 720-4279.

The hows of artificial nest building

A 40-page booklet, "Artificial Nest Structures for Ospreys: A Construction Manual" is available from the Canadian Wildlife Service. For information on how to obtain a copy, write: Peter J. Ewins, Canadian Wildlife Service, Environmental Conservation Branch/Ontario Region, 25 St. Clair Ave., E., Toronto, ONT M4T 1M2, Canada.

New publication available on diskette

A new publication, "Haliaeetus Leucocephalus (Linnaeus) Bald Eagle: A Working Bibliography," compiled by John Maniscalco, 1992; American Bald Eagle Research Institute of the University of Alaska Southeast in cooperation with the National Wildlife Federation and the U.S. Fish & Wildlife Service, is available as a printed document or on IBM or MacIntosh compatible diskette (\$15).

To order, or for more information, contact UAS-School of Education, Liberal Arts and Science, 11120 Glacier Hwy., Juneau, AK 99801, Attn: Alaska Wildlife Series (800) 421-3768, Ext. 6398.

Ohio may re-introduce osprey to state

The Ohio Division of Wildlife may try to establish a population of nesting ospreys in the state, according to a report in the *Columbus Dispatch* in January.

Steve Gray, assistant chief with the division, and Pat Ruble, supervisor of wildlife management, have been reported as saying a decision has been made to begin an osprey reintroduction project either this spring or the spring of 1996.

The project, financed by the Do Something Wild income tax checkoff, will be handled similarly to the way peregrine falcons were reintroduced to Ohio — by hacking young birds.

The wildlife officials are seeking a source for young birds. Gray said they will not be hacked in areas where eagles are nesting, such as along Lake Erie.

Book contains 100 papers

"Raptor Conservation Today," an 816-page volume, comprises the proceedings of the recent IV World Conference on Birds of Prey and Owls, held in Berlin. It contains maps, tables, diagrams, and black and white illustrations and has a cover in color.

It contains 100 of the papers presented at the conference, covering a series of 10 sessions, embodying the latest advances in the study and conservation of birds of prey worldwide.

The cost is us \$48.50, £30 sterling, DM 80. Send checks to WWGBP, 15b Bolton Gardens, London SW5 OAL, UK.

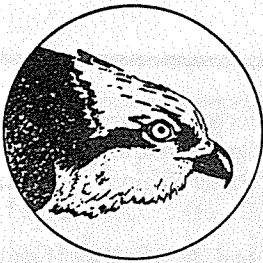
'Eagle Studies'

The World Working Group on Birds of Prey has published "Eagle Studies," containing some 60 original studies by a wide range of authors on the biology and conservation of a number of eagle species, including the osprey. Most of the papers were presented at the IV World Conference on Birds of Prey in Berlin, an eagle conference in Poland, and a symposium in Hungary devoted to the imperial eagle.

Continued on page 4

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Announcements Continued

Also included, for the first time, are status reports and the results of recent research from many countries of Eastern Europe and the former Soviet Union.

The cost is US \$30, £20, DM 50. Send checks to WWGBP, 15b Bolton Gardens, London SW5 OAL, UK.

Osprey was focus of international workshop in Germany

An international workshop entitled "Ospreys in Central Europe" was held in Singen, Germany, in February 1994, organized by the Institute of Landscape Ecology and Nature Conservation (ILN) Singen.

Among the papers presented:

D. Schmidt, Institute of Landscape Ecology and Nature Conservation, Singen, Germany, "On the Breeding Distribution

of the Osprey in Central Europe;"

W. Kohler, Working Group for the Protection of Eagles, Ministry for the Environment, State of Mecklenburg-Vorpommern, Germany, "The Breeding Population of the Osprey in Mecklenburg-Vorpommern;"

P. Sommer/D. Ruhle, Nature Conservation Center Woblitz/Nature Conservancy Council Brandenburg, Cottbus, "The Breeding Population of the Osprey in Brandenburg;"

T. Mizera, Zoology Dept., Agricultural University of Poznan, Poland, "Why is the Osprey a Rare Species in Poland?";

R. Dennis, Inchdrysne, Nethybridge, Scotland, "Ospreys in Scotland - A Study of Recolonization;"

P. Saurola, Finnish Museum of Natural History, University of Helsinki, Ringing

Centre, "Finnish Ospreys, 1971-1993;"

M. Martell, The Raptor Center at the University of Minnesota, "Osprey, Reintroduction in Minnesota."

For more information, contact: The Institute of Landscape Ecology and Nature Conservation Singen, Muhlenstr 19, 78224 Singen, Germany, tel. 07731/67661, Fax. 07731/69293.

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