15, Whitewood, Dec. 22, 1996, (CBC); 45, Whitewood, Jan.5, 1997 (BM, JP); 15, Fort Qu'Appelle, Dec. 19,1997 (RH,CBC).

Acknowledgements

I gratefully acknowledge the kind assistance of Stuart Houston and Robert Kreba in checking over this supplement and offering encouragement and advice.

1. BORDASS, Phyllis, 1998. The oriole returns. *Blue Jay*, Vol. 56, No.1, 34.

2. CALLIN, Manley, 1980. Birds of the Qu'Appelle. Special Publication No. 13, Saskatchewan Natural History Society.

3. HOOPER, Ronald R., 1993. Possible Saskatchewan sighting of Black Vulture. *Blue Jay*, Vol. 51, No.2, 105.

×

4. HOOPER, Ronald R., 1998. A Possible Carolina Wren. *Blue Jay*, Vol.56, No. 3, 195.

5. HOUSTON, C. Stuart, and Mary I., 1986. Additions to Callin's Birds of the Qu'Appelle. *Blue Jay*, Vol.44, No.2, 70-84.

6. POLLOCK, John, 1995. A Hooded Warbler record in the eastern Qu'Appelle Valley. *Blue Jay*, Vol. 53, No. 3, 176.

7. SMITH, A. R. 1996. Atlas of Saskatchewan Birds. Special Publication #22. Saskatchewan Natural History Society.

SPEEDY MIGRATION: SASKATCHEWAN'S FIRST OSPREY SATELLITE TRANSMITTER

C. STUART HOUSTON, 863 University Drive, Saskatoon, SK S7N 0J8 and MARK MARTELL, The Raptor Center, University of Minnesota, 1920 Fitch Ave., St. Paul, MN 55108

On July 2, 2001, a 35 g solar-assisted satellite transmitter was applied to the back of a 1900 g adult female Osprey, at her nest pole beside the South Saskatchewan River east of Rosthern, SK. The transmitter provided multiple daily latitude and longitude readings through the Argos system (see www.argosinc.com for more details). The data were analyzed and mapped using ArcView (ESRI Inc. Redland, CA) GIS, and distances were calculated using Grinwich.

The Osprey fed her young on or near her nest until August 10. We presume this was

the date for the second youngster to fledge, for she then began to cruise up and down the river, most commonly in a south-westerly direction from her nest pole. From August 30 through September 6, she perched along the river only 5 km north of Saskatoon, 57 km from her nest platform.

Her first migration flight of 283 km on September 7 took her to near Avonlea, Saskatchewan. On the second day, after a flight of 640 km, she reached Rapid Creek in the Black Hills west of Rapid City, South Dakota. The third and fourth days' flights



Table 1 – Ospi	ey travels 2001-2002 Saskat	chewan to Costa Rica	and ba	ck	Latitude	Lonç	jitude	Distance	
2001 Date	Locality	Water Body	State		deg min	deg	min	(km)	
Southward Bo	nud							ArcView	Grinwich
Jul 2-Aug 11	13 km e Rosthern	S Sask R	Sask	Can	52 40	106	2		
Aug 12-29	S Sask R	S Sask R	Sask	Can	52 var	106	var		
Aug 30-Sep 6	River n Saskatoon	S Sask R	Sask	Can	52 13	106	34	64	57
Sep 7	20 km s Avonlea		Sask	Can	49 50	105	თ	257	283
Sep 8	30 km w Rapid City	Rapid Creek	SD	USA	44 11	103	32	609	640
Sep 9 & 10	Matador	Middle Pease R	ТX	USA	34 4	101	*	1107	1145
Sep 11	San Angelo	Concho River	ТX	USA	31 45	100	36	255	260
Sep 12	Comstock	Devils River	ТX	USA	29 56	101	9	215	208
Sep 13	n Nueva Rosita	Rio la Leona	Coah	Mex	28 12	101	19	199	194
Sep 14	La Paloma	near unnamed stream	Coah	Mex	26 0	100	47	249	252
Sep 15 & 16	40 km w Ebano	near unnamed stream	SLP	Mex	22 46	98	55 *	392	405
Sep 17	40 km w Poza Rica	Rio Pantepec	VC VC	Mex	20 31	97	52	267	273
Sep 18	65 km s Veracruz	Rio la Hacienda	^C	Mex	18 32	96	10	274	283
Sep 19	30 km sw San Andres Tuxtla	Rio San Juan	VC VC	Mex	18 17	92	27	62	81
Sep 20	90 km nw Tuxtla Gutierrez	Malpaso Reservoir	^C	Mex	17 10	93	58	194	200
Sep 22	85 km sse Tuxtla Gutierrez	Rio Hustate	Chiap	Mex	16 1	92	47	175	180
Sep 23-Oct 22	27 day stop	La Angostura Reserv	Chiap	Mex					
Oct 23	40 km n San Lorenzo			Hond	13 26	87	34	619	588
Oct 24	70 km e Leon			Nicar	12 25	86	29	159	162
Oct 25	50 km s Managua			Nicar	11 44	86	17	80	80
Oct 26-Mar28	35 km s Liberia	Tempisque River		Costa	10 22	85	34	169	170
								5363	5461
		19 days major travel :	southw	ard	mean			282	287
		Shortest direct route	betwee	n end p	oints 504	9 km			

,

23 San Juan close File 1 1 8 5 9 9 1 20 km n St. Miguel Frande san Miguel R Elsal 13 42 8 4 362 367 3 20 km w Netba Chixoy Negro R Nicar 16 19 90 54 342 365 375 367 335 3 12 km nm Tres Palmas Rio Pantepec VC Mex 21 44 98 5 106 110 9 40 km n Nueva Rosita Rio Conchos VC Mex 24 58 99 307 411 106 110 9 Maration Neuro Rosita NC Mex 24 58 106 110 27 32 32 32 36 5 5 5 5 5 5 106 110 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 33 30 10 10 10 10 10	Vorthward E	3ound 35 km s Liharia	Temnisol la River		Costa	10 21	85	40		
29 San Juar del Sur Padric Ocean shore Nicar 11 13	L 20	30 KIII S LIDEIIA	ianina anheidilla i		CUSIA) (0	()
130 30 km n St. Miguel Grande San Miguel Grande San Miguel Grande San Miguel 322 337 13 20 km v Tukia Gutierrez Chixoy Negro R Guat 15 19 90 54 332 337 13 20 km v Tukia Gutierrez Chixoy Negro R Guat 15 19 90 54 347 335 14 12 km n Tres Palmas Rio Pantepec VC Mex 21 44 98 5 106 110 12 km n Liners Palmas Rio Conchos NL Mex 21 48 643 665 7 12 km n Liners Palmas Rio Conchos NL Mex 21 48 643 655 7 12 km n Liners Palmas Rio Conchos NL Mex 21 49 57 5	r 29	San Juan del Sur	Pacific Ocean shore		Nicar	11 11	85	53	66	66
731 20 km e Neba Chixoy Negro R Guat 15 19 54 347 353 7 12 km mw Taras Rio Pantepec VC Mex 21 44 98 55 5	r 30	30 km n St. Miguel	Grande San Migeul R		ElSal	13 42	88	4	362	367
1 20 km w Tuxtla Gutierrez Chiap Mex 16 43 93 20 237 304 3 12 km mw Tress Palmas VC Mex 21 44 98 25 5	r 31	20 km e Neba	Chixoy Negro R		Guat	15 19	06	54	347	353
3 12 km w Alamo Rio Pantepec VC Mex 20 5 5 5 4 12 km m Urses Palmas VC Mex 21 44 5<	r 1	20 km w Tuxtla Gutierrez		Chiap	Mex	16 43	93	20	297	304
4 12 km nm Tres Palmas VC Mex 21 44 98 25 106 110 7 12 km n Linares VC Mex 24 58 99 30 5	3	12 km w Alamo	Rio Pantepec	<	Mex	20 56	97	48 *	643	665
5 12 km n Tres Palmas VC Mex 5 5 5 7 12 km n Linares Rio Conchos NL Mex 24 58 99 30° 376 9 Marathon near Rio Ia Leona Coah Mex 28 19 101 16 397 411 9 Marathon maratilas Creek TX USA 33 30 65 282 11 40 km w Hondo maravillas Creek TX USA 33 30 165 23 402 423 12 60 km w Hondo NM USA 33 30 105 23 402 423 12 60 km w Hondo NM USA 33 31 66 43 25 35 13 60 km ne Carrizoza NM USA 33 3106 44 17 102 46 66 656 658 54 55 54 55 55 564 16 44 17 102 46 67 14 12 11 17 <td>4</td> <td>12 km nnw Tres Palmas</td> <td></td> <td>< C C</td> <td>Mex</td> <td>21 44</td> <td>98</td> <td>25</td> <td>106</td> <td>110</td>	4	12 km nnw Tres Palmas		< C C	Mex	21 44	98	25	106	110
7 12 km n Linares Rio Conchos NL Mex 24 58 30* 370 376 8 40 km n Nueva Rosita near Rio Ia Leona Coah Mex 28 19 101 16 397 411 9 Marathon Maravilas Creek TX USA 33 30 105 23 402 337 411 10 5 km w Hondo NM USA 33 26 105 42 337 412 11 40 km w Hondo NM USA 33 26 105 42 23 34 23 34 23 34 23 34 23 34 24 23 34 23 34 376 44 2 2 2 2 44 2 2 2 44 44 2 2 2 2 35 56 56 56 56 56 56 56 56 56 56 56 56 56 56 56 56 56 56 56	r 5	12 km n Tres Palmas		VC VC	Mex				2	2
8 40 km n Nueva Rosita near Rio la Leona Coah Mex 28 19 101 16 397 411 9 Marathon Marathon Maravillas Creek TX USA 30 7 103 18 265 282 11 40 km w Hondo NM USA 33 26 105 24 2	- 7	12 km n Linares	Rio Conchos	NL	Mex	24 58	66	30 *	370	376
9 Marathon Maravillas Creek TX USA 30 7 103 18 265 282 10 5 km w Hondo near Rio Hondo NM USA 33 31 105 23 402 423 11 40 km w Hondo near Rio Hondo NM USA 33 26 105 44 2 25 282 13 60 km ne Carrizoza NM USA 33 26 105 44 2 25 58 14 10 km se Carrizoza NM USA 33 33 104 28 59 54 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 48 59 56 54 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 41 12 11 18 Crosby USA 44 17 102 44 12	8	40 km n Nueva Rosita	near Rio la Leona	Coah	Mex	28 19	101	16	397	411
10 5 km w Hondo near Rio Hondo NM USA 33 30 105 23 402 423 11 40 km w Hondo NM USA 33 26 105 45 35 34 12 40 km w Hondo NM USA 33 26 105 21 62 22 13 60 km ne Carrizoza NM USA 33 51 105 21 63 58 14 10 km se Carrizoza NM USA 33 3105 49 59 54 2 2 2 16 40 km ne Rapid City Cheyenne River SD USA 44 17 102 46 666 656 656 592 564 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 44 482 103 18 482 103 138 123 17 Crosby 10 km n Willow Bunch Lake Smoke-Big Muddy Cr MT USA 48 20 125 111 122	б С	Marathon	Maravillas Creek	ТX	USA	30 7	103	18	265	282
11 40 km w Hondo NM USA 33 28 105 45 35 34 12 40 km w Hondo NM USA 33 26 105 45 35 34 13 60 km ne Carrizoza NM USA 33 26 105 44 2 2 2 14 10 km se Carrizoza NM USA 33 31 105 49 59 54 15 30 km n Pueblo Chico Creek CO USA 33 31 105 49 59 54 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 41 12 14 17 55 km w Medicine Lake Smoke-Big Muddy Cr MT USA 44 22 102 41 12 140 18 Crosby Storbu USA 48 29 103 126 140 20 10 km n Willow Bunch Lake SK Can 52 41 105 38 126 140 126	- 10	5 km w Hondo	near Rio Hondo	Σ	NSA	33 30	105	23	402	423
12 40 km w Hondo NM USA 33 26 105 44 2 2 2 13 60 km ne Carrizoza NM USA 33 51 105 21 63 58 14 10 km se Carrizoza NM USA 33 51 105 21 63 58 15 30 km n Pueblo Chico Creek CO USA 33 30 104 28 59 54 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 46 686 658 658 17 55 km w Medicine Lake Smoke-Big Muddy Cr MT USA 44 22 102 41 12 11 18 Crosby Usm Nillow Bunch ND USA 48 22 103 18 482 498 103 18 482 498 126 140 23 25 268 123 126 140 23 25 41 105 38 126 140 23 <td< td=""><td>-11</td><td>40 km w Hondo</td><td></td><td>MN</td><td>NSA</td><td>33 28</td><td>105</td><td>45</td><td>35</td><td>34</td></td<>	-11	40 km w Hondo		MN	NSA	33 28	105	45	35	34
13 60 km ne Carrizoza NM USA 33 51 105 21 63 58 14 10 km se Carrizoza NM USA 33 33 105 49 59 54 15 30 km n Pueblo Chico Creek CO USA 38 30 104 28 592 564 16 40 km ne Rapid City Cheyenne River SD USA 44 17 102 46 686 658 123 12 11 12 11 12 11 12 11 12 12 138 123 354 354 354 354 354 354 354 354 354 354 354 354 126 140 12 140 55 141 106 9 3	- 12	40 km w Hondo		MN	USA	33 26	105	44	2	2
14 10 km se Carrizoza NM USA -33 33 105 49 59 54 15 30 km n Pueblo Chico Creek CO USA -33 33 104 28 59 54 17 55 km ne Rapid City Cheyenne River SD USA -44 17 102 46 686 658 18 Crosby Cheyenne River SD USA -44 22 104 28 59 54 19 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 22 104 50 138 123 20 10 km n Willow Bunch ND USA 48 22 104 50 138 123 21 e of Rosthern Stack SK Can 49 105 38 126 140 21 0 km n Villow Bunch Lake SK Can 52 41 105 38 126 140 21 10 km n Stack SK Can 52 41 105	. 13	60 km ne Carrizoza		ΜN	NSA	33 51	105	21	63	58
15 30 km n Pueblo Chico Creek CO USA 38 30 104 28 592 564 17 55 km ne Rapid City Cheyenne River SD USA 44 17 102 46 686 658 18 Crosby Cheyenne River SD USA 44 22 102 41 12 11 18 Crosby ND USA 48 49 103 18 482 498 19 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 22 104 50 138 123 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 20 e of Rosthern S Sask R SK Can 52 41 106 9 343 354 210 e of Rosthern S Sask R SK Can 52 41 105 38 126 140 21 Astritowe of Rosthern S Sask R SK Can	- 14	10 km se Carrizoza		ΜN	USA	33 33	105	49	59	54
16 40 km ne Rapid City Cheyenne River SD USA 44 17 102 46 686 658 17 55 km ne Rapid City Cheyenne River SD USA 44 12 11 12 11 18 Crosby ND USA 48 49 103 18 482 498 19 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 22 104 50 138 123 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 20 a strait USA 58 Can 52 41 106 9 343 354 21 a strait Stask R SK Can 52 41 106 9 343 354 22 days major travel northward mean 22 265 268 768 768 768 768 768 768 768 768 768 768 768 768	15	30 km n Pueblo	Chico Creek	00	USA	38 30	104	28	592	564
17 55 km ne Rapid City Cheyenne River SD USA 44 22 102 41 12 11 18 Crosby ND USA 48 49 103 18 482 498 19 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 22 104 50 138 123 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 20 a straite Ssask R SK Can 52 41 106 9 343 354 21 a sterisk before the distance column indicates a "two-day" distance. Others are "one-day" 5831 5891 5831 5891 23 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day" 343 347 es An asterisk before the distance column indicates a "two-day" distance. Others are "one-day" 343 347	. 16	40 km ne Rapid City	Cheyenne River	SD	NSA	44 17	102	46	686	658
18 Crosby 18 Crosby 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 49 103 18 482 498 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 21 e of Rosthern Ssask R SK Can 49 31 105 38 126 140 23 days travel northward mean An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 34 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 34 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 34 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 94 An asterisk before the distance column indicates a "two-day" distance. Others are "one-day".	. 17	55 km ne Rapid City	Cheyenne River	SD	USA	44 22	102	41	12	1
 19 25 km w Medicine Lake Smoke-Big Muddy Cr MT USA 48 22 104 50 138 123 20 10 km n Willow Bunch Willow Bunch Lake SK Can 49 31 105 38 126 140 21 e of Rosthern S Sask R SK Can 52 41 106 9 343 354 22 days travel northward mean 22 days travel northward mean 265 268 38 Al 7 347 asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". 	18	Crosby		QN	USA	48 49	103	18	482	498
 20 10 km n Willow Bunch Lake SK Can 49 31 105 38 126 140 21 e of Rosthern S Sask R SK Can 52 41 106 9 343 354 22 days travel northward mean 22 days travel northward mean 365 268 368 368 373 354 369 369 369 373 354 369 369 369 369 360 360 360 361 361 363 363 364 369 365 368 368 369 365 368 368 369 <li< td=""><td>19</td><td>25 km w Medicine Lake</td><td>Smoke-Big Muddy Cr</td><td>MT</td><td>NSA</td><td>48 22</td><td>104</td><td>50</td><td>138</td><td>123</td></li<>	19	25 km w Medicine Lake	Smoke-Big Muddy Cr	MT	NSA	48 22	104	50	138	123
21 e of Rosthern S Sask R SK Can 52 41 106 9 343 354 22 days travel northward mean 265 268 343 347 es An asterisk before the distance column indicates a "two-day" distance. Others are "one-day" 343 347 es All localities in column B can be found in the Rand McNally International Atlas, 1969 343 347 Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998 1998 1600 1998	20	10 km n Willow Bunch	Willow Bunch Lake	SK	Can	49 31	105	38	126	140
 5831 5891 22 days travel northward mean 22 days travel northward mean 265 268 265 268 343 347 es An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". All localities in column B can be found in the Rand McNally International Atlas, 1969 Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998 	- 21	e of Rosthern	S Sask R	SK	Can	52 41	106	ნ	343	354
22 days travel northward mean 265 268 17 days major travel northward mean 243 343 asterisk before the distance column indicates a "two-day" distance. Others are "one-day" 343 347 All localities in column B can be found in the Rand McNally International Atlas, 1969 Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998 1998									5831	5891
An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". All localities in column B can be found in the Rand McNally International Atlas, 1969 Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998			22 days travel northw	vard		mean			265	268
es An asterisk before the distance column indicates a "two-day" distance. Others are "one-day". All localities in column B can be found in the Rand McNally International Atlas, 1969 Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998			17 days major travel	northw	vard	mean			343	347
Names of small rivers are from Guia Rojo por las Carreteras de Mexico, 1998	es	An asterisk before the distar All localities in column B car	nce column indicates a "tr the found in the Rand Mi	wo-day	" distance Internatio	e. Others and Atlas.	are "on 1969	e-day".		
If active O black the according reading was avidently distant from water		Names of small rivers are from	om Guia Roio por las Cal	Irretera	s de Mex	ico. 1998				
		If column C blank the corre	w satellite reading was ev	vidently	, dictant f	rom water				

took her 1145 km to Matador, Texas, by September 10, a surprising distance of 1785 km in three days! Shorter trips of 260 km and 208 km, respectively, took her to San Angelo on September 11, and then Comstock, Texas on September 12. Many of the data points were near rivers or reservoirs where presumably she could catch fish.

Flights of 194, 252, 405 (in 2 days), 273, 283, 81, 200, and 180 km took her to the large La Angostura Reservoir southeast of Tuxtla Gutierrez, Chiapas, Mexico. She stayed there for one month. We thought she must be wintering there, since the previous longest stop during fall migration was a 20 day layover by an east coast male Osprey in Cuba who wintered in Brazil.² From Chiapas, the Saskatchewan Osprey flew 588 km to Honduras, 162 and 80 km in Nicaragua, and after a 170 km flight arrived on 26 October at the Tempisque River, at the base of the Nicoya Peninsula in Costa Rica. She had spent 19 days in major travel, with an average distance of 287 km per day (282 km by ArcView), but the total elapsed time from near Saskatoon to Costa Rica was 51 days (Table 1). This is similar to the speed of Ospreys tracked from Oregon which by ArcView calculations averaged 296 km/day, and is faster than birds from Minnesota (230 km/day) or New York (214 km/day).²

Her route had been a remarkably straight line, slightly east of south, so direct that the shortest distance between the nest pole and her wintering area was 5049 km, only 412 km less than the sum of the individual flights. She remained fishing on the Tempisque River for five months. Her last day there was March 28.

Her first day's northward flight took her 99 km to the Pacific Ocean shore in Nicaragua. A flight of 367 km to El Salvador and another 353 km to Guatemala, was followed by 304 km to Chiapas. She spent the first eight days of April traveling the length of eastern Mexico, then on to Texas, New Mexico (where she stayed for five days), Colorado, South Dakota (2 days), extreme northwest North Dakota, and northeast Montana. She arrived at the northwest corner of Willow Bunch Lake in Saskatchewan on 20 April, and at her platform on the river 15 km east of Rosthern on April 21, after a final flight of 354 km. She averaged 347 km (343 km by ArcView) in 17 days of major travel on the way north, not counting seven days of presumed rest and feeding, for an elapsed time of 24 days. Southward and northward routes were similar, apart from a westward deviation into New Mexico and Colorado on the way north.

Previous band recoveries of Ospreys from Saskatchewan included three from the Pacific Ocean coast near the equator in Colombia and Ecuador.¹ From this small sample CSH had hypothesized that Saskatchewan birds "leap-frogged" over the Idaho Ospreys whose bands had been recovered in Central America.

Ospreys tracked from the Columbia River in Oregon wintered for the most part in Mexico and as far south as Honduras. Ospreys tracked from Minnesota wintered from Mexico south to Peru including Nicaragua and Panama.² Thus it seems probable that Saskatchewan Ospreys share their wintering areas, at least as far north as Costa Rica, with other birds that breed from the Great Lakes westward to the Pacific Ocean.

The satellite radio transmitter provided, for the first time, an accurate record of the distance traveled per day, and the number of rest and feeding stops en route. If the bird lives another year, and the transmitter keeps functioning, we plan to follow this bird's movements for a second year. Previous multi-year studies of 16 Ospreys from the United States, followed for two to four years, indicate that individuals tend to follow a similar route each year and to winter in the same area. <u>A note on distance measurement</u> The Grinwich program is based on an equatorial radius of 6378.5 km and a polar radius of 6356.9 km. Since the earth is not a perfect sphere (such an assumption would underestimate the length of the equator by 68 km), Grinwich calculations make a correction for the ellipsoid shape of the earth.

Acknowledgments

Nature Saskatchewan members Martin Gerard, David Miller, Brent Terry, Marten Stoffel, and Frank Scott helped with the platform construction, photography and banding. Marc Bechard traveled from Boise, Idaho, at his own expense, to provide expertise in attaching the backpack radio transmitter. Saskatchewan Power Corporation provided the nest pole and matched, dollar for dollar, the \$3000 raised by Nature Saskatchewan for this \$6000+ project. Without this support we would not have learned the Osprey's remarkable speed in its first week of southward travel. We thank Matthew J. Solensky and Ananda Wiegand for help with data management.

1. EWINS, P.J., and C.S. HOUSTON. 1992. Recovery patterns of Ospreys, *Pandion haliaetus*, banded in Canada up to 1989. *Canadian Field-Naturalist* 106: 361-365.

2. MARTELL, MARK S., C. J. HENNY, P. E. NYE, M. J. SOLENSKY. 2001. Fall migration routes, timing, and wintering sites of North American Ospreys as determined by satellite telemetry. *Condor* 103: 715-724.



EARLY SASKATOON CITY BIRD BANDERS*

C. STUART HOUSTON, 863 University Drive, Saskatoon, SK S7N 0J8

Stuart Thompson

A news story, titled "Stuart Thompson, 17, only bird-bander, wants to be game warden and live out-of-doors," appeared in the 27 March 1935 issue of the Saskatoon Star-Phoenix. In the article, Ted Schrader, editor of The Park Bench, the City Park Collegiate paper, told how Stuart wrote for and received a bird banding permit from the Department of the Interior, Ottawa. Unfortunately, there is no record of his banding activities; probably he banded few, if any, birds. Perhaps his aim was to band Great Horned Owls, for he had a band of that size which he passed on to his more junior friend, Farley Mowat, duly acknowledged in Mowat's 1936 banding schedule for a single fledgling owl.

Farley McGill Mowat, permit # 00294

In his autobiography, Born Naked, Farley tells of applying for a banding permit on May 14, 1935 – two days after his 14th birthday.⁶ So that he could obtain a permit, his greatuncle, Frank L. Farley of Camrose, Alberta, wrote a letter of support, as did a friend. Mowat admits to writing his age somewhat illegibly in his band permit application, since he was under-age. The front sheet of the file at Patuxent Research Refuge, Laurel, Maryland, is titled "W. Mowat." His 1935 banding schedules, in Mowat's own handwriting, list him as William McGill Mowat. Someone, presumably in the banding office in Ottawa, later crossed out William, and wrote in "Farley." His file in the Ottawa banding office, then in the