

1977

Annual Report

North American Bird Bander

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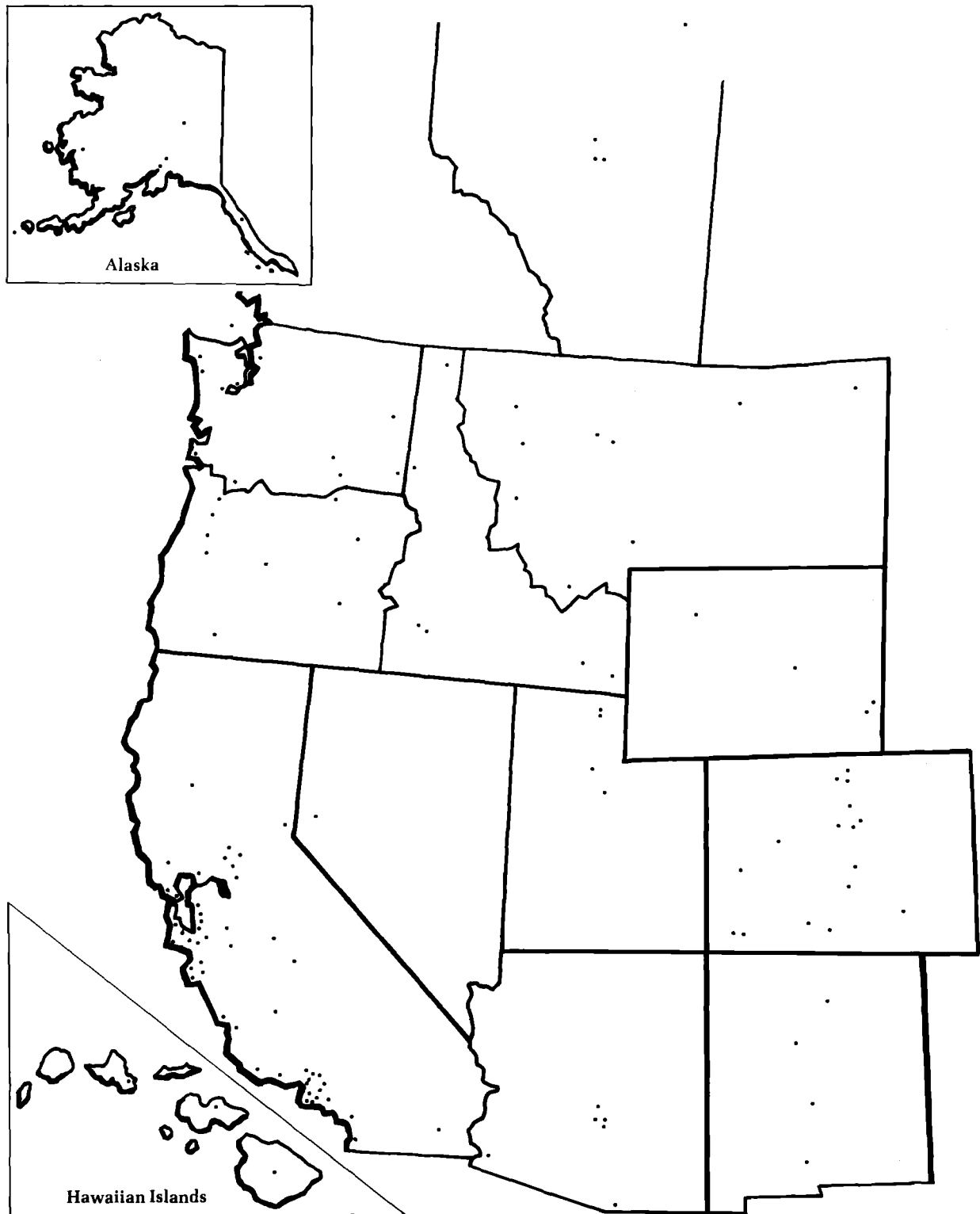
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ANNUAL REPORT



LOCATIONS OF REPORTING STATIONS

An analysis of bird-banding reports for 1976
within the area of the Western Bird Banding Association

Compiled by Otis D. Swisher

Species	Alaska	Yukon B.C. Alta.	Wash. Oreg.	Mont. Idaho	Calif.	Nev. Utah	Wyo. Colo.	Ariz. New Mex.	Mex.	Total	Largest Indiv. Total	By Whom
Common Loon					2					2	2	Int'l Bird Rescue
Red-throated Loon	5									5	4	Clarence Rhode NWR
Horned Grebe					1					1	1	Int'l Bird Rescue
Eared Grebe		11					2			13	11	Kuyt
Western Grebe					2		1			3	2	Int'l Bird Rescue
Pied-billed Grebe					1					1	1	Oakland Park & Rec.
BL.-FOOT. ALBATROSS					1					1	1	Hunt, G.L.
Fork-tailed Petrel	200									200	200	Aleutian Islands NWR
Leach's Storm Petrel	300		160		3					463	300	Aleutian Islands NWR
Ashy Storm Petrel					144					144	108	Hunt, G.L.
Black Storm Petrel					1					1	1	Hunt, G.L.
Northern Fulmar	1				4					5	3	Int'l Bird Rescue
White Pelican			132		1		101			234	132	Jarvis
Brown Pelican					10					10	10	Int'l Bird Rescue
Double-crested Cormorant		185			20					205	185	Prov. Mus. Alta
Brandt's Cormorant					364					364	325	PRBO(Farallons)
Great Blue Heron		1	4	26	121		1			153	100	Klamath Basin NWR
Cattle Egret					1					1	1	Int'l Bird Rescue
Great Egret					3					3	3	Int'l Bird Rescue
Snowy Egret					267		342			609	267	Rigney
Black-crn Night Heron				8	370		304			682	368	Rigney
White-faced Ibis				32			17			49	32	Trost
Whistling Swan	1	44								45	44	Mossop
Trumpeter Swan				51						51	51	Red Rock Lakes NWR
Canada Goose	1619	623	948	2791	2982	1847	3322	163		14,295	2895	Cal. Fish & Game
Black Brant	232				20					252	232	Clarence Rhode NWR
White-fronted Goose	3									3	3	Clarence Rhode NWR
Snow Goose					42	13		4		59	42	Salton Sea NWR
Ross' Goose					1			18		19	18	Bosque del Apache NWR
Mallard	31	3955	3650	2489	2251	125	12,741	1996		27,238	10,805	Colo. Div. Wildlife
Mallard X Pintail			1							1	1	Columbia NWR
Black Duck		2						2		4	2	Voelzer
Gadwall		18	7	9			893	2		929	854	Colo. Div. Wildlife
Pintail	1	5235	215	144	2160	151	3197	257		11,360	2904	Norman
Green-winged Teal	8	2265	313	19	171	81	3470	43		6370	2645	Colo. Div. Wildlife
Blue-winged Teal		3034		231			111	506		3882	2853	Norman
Cinnamon Teal		2			239	11	1			253	194	AS-CSUF
American Wigeon	2	57	230	399	1001	56	141	6		1892	1000	Cal. Fish & Game
Northern Shoveler		14		38	34					86	38	Witt
Wood Duck			11	22	740					773	696	Simmons
Redhead		16	15		15	56	115			217	71	Colo. Div. Wildlife
Ring-necked Duck		1	14			2				17	14	Umatilla NWR
Canvasback		19	78		352	103		2		554	246	Cal. Fish & Game
Greater Scaup		55	3		201	1		1		261	200	Cal. Fish & Game
Lesser Scaup		136	2	38	218	4	33			431	165	Cal. Fish & Game
Unidentified Scaup		69								69	69	Mossop
Common Goldeneye		1			19		1			21	19	Oakland Park & Rec.
Barrow's Goldeneye		602								602	602	Mossop
Bufflehead		1				9				10	9	Nevada Fish & Game
Oldsquaw	1	4								5	4	Mossop
Common Eider	1									1	1	Peyton
Spectacled Eider	1									1	1	Clarence Rhode NWR
White-winged Scoter		3								3	3	Mossop
Surf Scoter					1					1	1	Int'l Bird Rescue
Ruddy Duck		4			23	3				30	19	Int'l Bird Rescue
Turkey Vulture			17		3					20	17	Malheur NWR
Mississippi Kite								2		2	2	Glinski
White-tailed Kite					17					17	13	Bloom, Jackson, Walker
Goshawk	2	16	36	4	32	20	1			111	36	Henny
Sharp-shinned Hawk		5	22	3	39	3	6	7		85	36	PRBO (Mainland)

*ALL CAPS: First banding in W.B.B.A. territory.

Species	Alaska	Yukon B.C. Alta.	Wash. Oreg.	Mont. Idaho	Calif.	Nev. Utah	Wyo. Colo.	Ariz. New Mex.	Mex.	Total	Largest Indiv. Total	By Whom
Cooper's Hawk		9	48	12		1		5		75	45	Henny
Red-tailed Hawk		89	56	51	183	38	25	15		457	175	Bloom, Jackson, Walker
Red-shouldered Hawk			2	2	38			1		43	36	Bloom, Jackson, Walker
Broad-winged Hawk			3							3	3	Trann
Swainson's Hawk		317	30	5	3	2	111	1		469	232	Fyfe
Rough-legged Hawk			1	5	10	3	1			20	10	Bloom, Jackson, Walker
Ferruginous Hawk		178	3	47		12	62			302	136	Fyfe
BLACK HAWK								6		6	6	Glinski
Gray Hawk								30		30	30	Glinski
Harris' Hawk								26		26	26	Radke
Golden Eagle		24	6	26	7	43	15	4		125	24 ea.	BLM-Idaho; Fyfe
Bald Eagle		11	4	3		1				19	11	Fyfe
Marsh Hawk		22		4	8	2		1		37	22	Fyfe
Osprey		8	17	48	4	6				83	65	Johnson, D.R.
Gyr Falcon	7	19								26	19	Mossop
Prairie Falcon		385	17	171	35	31	2	2		643	380	Fyfe
Peregrine Falcon		55	1							56	45	Fyfe
Merlin	1	120	7	2				1		130	120	Fyfe
American Kestrel		37	182	263	90	27	53	20		653	283	Henny
Blue Grouse							22			42	22	Hoffman
White-tailed Ptarmigan							321			321	178	Giesen
Sage Grouse							384			384	384	Braun
Bobwhite								1		1	1	Hubbard
California Quail			36		22					58	36	Crawford
Gambel's Quail								52		52	51	Corchran
Ring-necked Pheasant				2871						2871	2871	Idaho Fish & Game
Whooping Crane				4						4	4	Idaho Coop WRU
Sandhill Crane	75			25			3			103	68	Clarence Rhode NWR
Virginia Rail							107			107	107	Griese
Sora		1					88			89	88	Griese
American Coot		37	5	4	49	35	8			138	36	Kuyt
Black Oystercatcher					9					9	9	PRBO (F)
Semi-palmated Plover					1					1	1	AS-CSUF
Snowy Plover					14		2			16	11	PRBO (M)
Killdeer				5	6		16			27	5 ea.	Moos; Truan
Mountain Plover							19			19	9	Collister
American Golden Plover	12									12	12	Hanson, W.C.
Ruddy Turnstone	8									8	8	Schamel
Black Turnstone	14				6					20	14	Clarence Rhode NWR
Common Snipe	15		1	20	1		3	1		41	20	Witt
Long-billed Curlew			26							26	26	Fitzner
Spotted Sandpiper		8			2		5			15	8	McNicholl
Solitary Sandpiper	1				1		1			2	1 ea.	Porter; Webb
Wandering Tattler										1	1	PRBO (F)
Willet				1						1	1	Moos
Lesser Yellowlegs							19			19	19	Chase
Pectoral Sandpiper	29				3					32	24	Alaska Fish & Game
Baird's Sandpiper	8						7			15	7	Truan
Least Sandpiper	23				48		81			152	75	Chase
Dunlin	126		74		54					254	92	Schamel
Short-billed Dowitcher	4									4	3	West
Long-billed Dowitcher	28				1					29	12	Peyton
Dowitcher (Sp.?)	1									1	1	Clarence Rhode NWR
Stilt Sandpiper	5									5	5	Hanson, W.C.
Semipalmated Sandpiper	300						6			306	116	Peyton
Western Sandpiper	199				77		13			289	82	Peyton
Buff-breasted Sandpiper	5				1					5	5	Hanson, W.C.
Marbled Godwit					135					1	1	Grant
Sanderling			1		10		1			136	135	Connors
American Avocet				1						12	8	Grant
Black-necked Stilt					3					3	3	Grant
Red Phalarope	155				1					156	82	Schamel
Wilson's Phalarope			13		22					35	22	Winkler, D.W.
Northern Phalarope	189	1			149					339	148	Winkler, D.W.
Parasitic Jaeger	26									26	26	Mickelson
Glaucous Gull	51									51	15 ea.	Schamel; Mickelson
Glaucous-winged Gull			2224							2224	2224	Wahl
Western Gull					3382					3382	2001	PRBO (F)
California Gull		55	1	1009	3		32			1100	900	Moos
Ring-billed Gull		7	336	400	1					744	336	Martin

Species	Alaska	Yukon B.C. Alta.	Wash. Oreg.	Mont. Idaho	Calif.	Nev. Utah	Wyo. Colo.	Ariz. New Mex.	Mex.	Total	Largest Indiv. Total	By Whom
Franklin's Gull				19						19	19	Trost
Bonaparte's Gull					1					1	1	Hunt, G.L.
Heerman's Gull					1					1	1	Hunt, G.L.
Black-legged Kittiwake					1					1	1	Mewaldt
SABINE'S GULL	14									14	14	Schamel
Forster's Tern			6		85					91	85	Collier
Arctic Tern	103									103	50	Schamel
Least Tern					295					295	295	Least Tern Rec. Tm.
Caspian Tern			43		27					70	43	Martin
Common Murre					36					36	36	Int'l Bird Rescue
Black Guillemot	70									70	70	Alaska Fish & Game
Pigeon Guillemot					103					103	100	PRBO (F)
Xantus' Murrelet					84					84	84	Hunt, G.L.
Ancient Murrelet	50									50	50	Aleutian Islands NWR
Cassin's Auklet	4		2		280					286	229	Hunt
Crested Auklet	100									100	100	Aleutian Islands NWR
Least Auklet	200									200	200	Aleutian Islands NWR
Whiskered Auklet	10									10	10	Aleutian Islands NWR
Rhinoceros Auklet					4					4	4	PRBO (F)
Tufted Puffin			1		2					3	2	PRBO (F)
Band-tailed Pigeon			931		2191	217	309	746		4394	1950	Cal. Fish & Game
White-winged Dove								8		8	5	Baltosser
Mourning Dove			663	9	687		93	46		1498	548	Wash. Dept. Game
Ground Dove								3		3	2	Harrison
Inca Dove								146		146	74	Burk
Black-billed Cuckoo							1			1	1	Collister
Barn Owl			9	9	135	4	5	1		163	128	Bloom, Jackson, Walker
Screech Owl			14	4	29		1			48	20	Simmons
Flammulated Owl			8		2	1				11	8	Mewaldt
Great Horned Owl		102	93	49	23	21	14	8		310	89	Fyfe
Snowy Owl		4	2							6	4	Fyfe
Hawk Owl		6								6	5	Gehlert
Burrowing Owl		2		26	47			2		77	43	Landry
N. Spotted Owl					1					1	1	Bloom, Jackson, Walker
Great Gray Owl		8								8	5	Burns
Long-eared Owl		13	28	10	5	4	3	4		67	9 ea.	Fitzner; Fyfe
Short-eared Owl	1		8	1	1	1				12	5	Mewaldt
Boreal Owl		5								5	5	Gehlert
Saw-whet Owl		14	2		4		2			22	7	Trann
Poor-will			7		4		1			12	5	Mewaldt
Common Nighthawk							1			1	1	Ryder
Vaux' Swift			8							8	7	Payne
White-throated Swift					17					17	15	Collins
Black-chin. Hummingbird					20		1	18		39	19	Bleitz
Costa's Hummingbird					3					3	2	AS-CSUF
Anna's Hummingbird					166					166	94	Bleitz
Broad-tail. Hummingbird							1	3		4	3	Baltosser
Rufous Hummingbird					62					62	48	PRBO (M)
Allen's Hummingbird					207					207	193	PRBO (M)
ALLEN'S X ANNA'S H.					1					1	1	Wells
Calliope Hummingbird					1					1	1	PRBO (M)
Rivoli's Hummingbird								1		1	1	Baltosser
Broad-bill. Hummingbird								3		3	3	Baltosser
Belted Kingfisher			2				2	2		6	2 ea.	Collister; McDonald
Common (Y-s) Flicker		9								9	9	Jones
Common (R-s) Flicker	2	2	42	3	27	5	12	26		119	37	Mewaldt
Hybrid Flicker					1		7	7		15	7	Wilcox
Gilded Flicker								5		5	3	Burk
Pileated Woodpecker		1	33							34	33	Bull
Gila Woodpecker								51		51	40	Corchran
Acorn Woodpecker					151			87		238	87	Crockett
Lewis' Woodpecker							4			4	4	Hollowed
Yellow-bellied Sapsucker		2	40	1	26		22	2		93	33	Mewaldt
Williamson's Sapsucker			4	8	2		20	1		35	14	Hadow
Hairy Woodpecker		3	6		12		14	2		37	12	Lindner
Dowry Woodpecker		7	8	4	25	2	9	2		58	11	PRBO (M)
Ladder-backed Woodpecker								3		3	3	Burk
Nuttall's Woodpecker					7					7	4	Starr Ranch Aud. Sanc.
White-headed Woodpecker			7		4					11	4	Jobanek
Eastern Kingbird	1						1			2	1 ea.	Jones; Truan

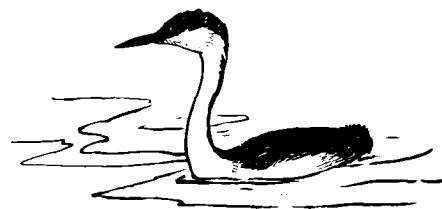
Species	Alaska	Yukon B.C. Alta.	Wash. Oreg.	Mont. Idaho	Calif.	Nev. Utah	Wyo. Colo.	Ariz. New Mex.	Mex.	Total	Largest Indiv. Total	By Whom
Western Kingbird				4		1	8	2		15	7	Collister
Cassin's Kingbird								3		3	3	Hubbard
Great Crested Flycatcher								1		1	1	New Mexico G & F
Ash-throated Flycatcher					19			2		21	9	Starr Ranch Aud. Sanc.
Eastern Phoebe		2								2	1 ea.	Jones; Kuyt
Black Phoebe					320			3		323	290	Schroeder
Say's Phoebe			2		2		14			18	10	Truan
Yellow-bel. Flycatcher		5			1					6	5	Jones
Traill's Flycatcher			1							1	1	Swisher
Willow Flycatcher		3	10		11		6	20		50	18	New Mexico G & F
Alder Flycatcher		35		1	1	1				38	32	Jones
Least Flycatcher		101			3		1	146		251	146	New Mexico G & F
Hammond's Flycatcher			9		2		10	2		23	10	Collister
Dusky Flycatcher		9	163	4	9	10	17	3		215	158	Mewaldt
Gray Flycatcher			14		1	7	1	1		24	14	Mewaldt
Western Flycatcher			14	4	342	9	8	2		379	277	PRBO (M)
Empidonax (Sp.?)			1	6	1	2	1	1		12	4	Shultz
Western Wood Pewee		11	24		46		15	40		136	34	New Mexico G & F
Olive-sided Flycatcher			5		13		1	1		20	12	PRBO (M)
Vermilion Flycatcher								1		1	1	Smith, E.L.
Horned Lark			2		2		350			354	192	Pillmore
Violet-green Swallow			6		17		20			43	16	Truan
Tree Swallow	20	737	38	14	1		29			839	633	Provincial Mus. Alta.
Bank Swallow	1									1	1	Peyton
Rough-winged Swallow			1		5					6	3	PRBO (M)
Barn Swallow			1141	26	28		25	1		1221	979	Barrentine
Cliff Swallow		1	216		371		291	9		894	213	AS-CSUF
Gray Jay	5	9					1			15	7	McNicholl
Blue Jay		17					15			32	15	Jones
Steller's Jay	12		20		130	30	100	1		293	69	Collister
Scrub Jay			14	1	407	14	11			447	148	Atwood
Mexican Jay								2		2	2	Hubbard
Black-billed Magpie			5	43	4		4			56	25	English
Common Raven	40		90	54	46					230	81	Malheur NWR
Common Crow			5	1						6	4	Fitzner
Piñon Jay				32						32	32	DeJong
Clark's Nutcracker			5				3			8	4	Jobanek
Black-capped Chickadee	44	203	17	78		37	87	1		467	141	Jones
Mountain Chickadee	2		45	38	142	27	201	15		480	70	Bleitz
Gray-headed Chickadee	1									1	1	Peyton
Boreal Chickadee	8									8	6	Alaska Fish & Game
Chestnut-backed Chickadee	20		2	1	121					144	76	PRBO (M)
Plain Titmouse					101			1		102	43	Bleitz
Verdin								16		16	8	Corchran
Bushtit			15		273		11			299	191	PRBO (M)
White-breasted Nuthatch		1	5		28	1	40	2		98	22	Bleitz
Red-breasted Nuthatch		7	88	3	13	11	7	8		137	42	Mewaldt
Pygmy Nuthatch			9				183	4		196	84	Hudler
Brown Creeper		2	1	3	34	13	14			67	21	PRBO (M)
Wrentit			1		254					255	185	PRBO (M)
Dipper					35	59	3			97	59	Everett
House Wren		14	48	6	15		16	9		108	48	Mewaldt
Winter Wren			1		20					21	19	PRBO (M)
Bewick's Wren			17		133			8		158	101	PRBO (M)
Cactus Wren					1			15		16	13	Corchran
Long-billed Marsh Wren			5	2	10		1			18	5	Kebbe
Cañon Wren					2					2	2	Ervin
Rock Wren					1		6	3		10	1 ea.	Five banders
Mockingbird					101		3	14		118	26	Stoner
Gray Catbird		8	1				51	4		64	48	Collister
Brown Thrasher		5			1		5	2		13	5	Jones
Bendire's Thrasher								3		3	3	Burk
Curve-billed Thrasher								83		83	56	Corchran
California Thrasher					43					43	21	Rigney
Crissal Thrasher								1		1	1	Corchran
Sage Thrasher			2		2		1	4		9	4	Spitler
American Robin	6	66	201	50	405	66	169	16		979	206	Stoner
Rufous-backed Robin								1		1	1	Corchran
Varied Thrush	1		7	2	63					73	56	PRBO (M)
Hermit Thrush	8	25	56	1	469		7	11		577	329	PRBO (M)

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Swainson's Thrush	2	70	29	10	186		40			337	126	PRBO (M)
Gray-cheeked Thrush	11	2								13	9	Peyton
Veery		4	1				5			10	5	Collister
Western Bluebird			46		60		67	9		182	47	AS-CSUF
Mountain Bluebird		94	272	88	4		17	5		480	268	Herlugson
Townsend's Solitaire			5			1	2			8	5	Mewaldt
Blue-gray Gnatcatcher					2		1	5		8	3	New Mexico F & G
Golden-crowned Kinglet		1	6	4	106	2	2			121	85	PRBO (M)
Ruby-crowned Kinglet	25	5	102	7	318	18	14	21		510	223	PRBO (M)
Yellow Wagtail	41									41	28	Peyton
Water Pipit					2		7			9	7	Webb
Bohemian Waxwing		1	27	10		3	3			44	27	Rogers
Cedar Waxwing		3		3	600	4	4			614	357	Stoner
Phainopepla					1					1	1	Starr Ranch Aud. Sanc.
Northern Shrike	3		15		2		4			24	13	Hicks
Loggerhead Shrike			1	1	20		1			23	13	Roelen
Starling		301	8	8	78	36	321	4		756	300	Munro
White-eyed Vireo								1		1	1	Hubbard
Hutton's Vireo					48			1		49	47	PRBO (M)
Bell's Vireo								7		7	6	Corchran
Solitary Vireo		9	27	2	9		4	7		58	27	Mewaldt
Red-eyed Vireo		60	2	1	1			1		65	50	Jones
Philadelphia Vireo		4			2					6	4	Jones
Warbling Vireo		9	65	9	598		29	11		721	561	PRBO (M)
Black-and-white Warbler		19	2		3		1	2		27	19	Jones
Prothonotary Warbler			1							1	1	Mewaldt
Tennessee Warbler		772			7			1		780	762	Jones
Orange-crowned Warbler	3	55	53	2	202		75	12		402	107	PRBO (M)
Nashville Warbler		1	6	2	46			6		61	15	AS-CSUF
Virginia's Warbler					1		15	18		34	11	New Mexico F & G
Golden-winged Warbler								1		1	1	Hubbard
Lucy's Warbler								11		11	7	Corchran
Parula Warbler							1			1	1	Collister
Yellow Warbler	11	88	43	6	132	2	56	16		354	85	Jones
Magnolia Warbler		9			3		1	1		14	7	Jones
Cape May Warbler		4			1					5	4	Jones
Y-rumped (Myrtle) Warb.	9	117	7	1	42		26			202	114	Jones
Y-rumped (Audubon's) W.	9	3	130	128	317	38	34	21		680	136	Burk
Myrtle X Audubon's							2			2	1 ea.	Collister; Chase
Black-thr. Gray Warbler			6		13					20	7	PRBO (M)
Grace's Warbler								2		2	2	McCallum
Townsend's Warbler	1		15	2	68			10		96	38	PRBO (M)
Black-thr. Green Warbler		6								6	6	Jones
Hermit X Townsend's					1					1	1	PRBO (M)
Hermit Warbler			1		19					20	8	PRBO (M)
Blackburnian Warbler					1					1	1	PRBO (F)
Chestnut-sided Warbler					4					4	4	PRBO (F)
Bay-breasted Warbler		11			3		1			15	8	Jones
Blackpoll Warbler		20			16		1			37	19	Jones
Palm Warbler		1			16					17	16	PRBO (F)
Ovenbird		40			3		2			45	39	Jones
Northern Waterthrush	3	31	1	7			2	3		47	29	Jones
Connecticut Warbler		7			1					8	6	Jones
Mourning Warbler		10								10	10	Jones
McGillivray's Warbler		12	77	24	40		40	16		209	63	Mewaldt
Common Yellowthroat	2	12	1		33	8	13	1		70	14 ea.	PRBO (F); Butters, David
Yellow-breasted Chat		1	4	1	6	1	26	5		44	21	Collister
Hooded Warbler								2		2	2	Hubbard
Wilson's Warbler	13	82	59	7	313	1	210	218		908	180	New Mexico F & G
Canada Warbler		4			1					5	4	Jones
American Redstart		172		6	9		7	6		200	165	Jones
House Sparrow	4		15		157	1	36			213	63	Mewaldt
Western Meadowlark		1	2	1	4		7			15	3	Royall
Yellow-headed Blackbird			138				50			188	117	Searcy
Red-winged Blackbird		10	511	3	89	4	234	2		853	175	Wood
Tri-colored Blackbird					11					11	11	Rigney
Orchard Oriole					2			1		3	2	PRBO (F)
Hooded Oriole					20			13		33	8	Corchran
Scott's Oriole								2		2	2	Hubbard
Northern (Balt.) Oriole		58			4			2		62	58	Jones

Species	Alaska	Yukon B.C. Alta.	Wash. Oreg.	Mont. Idaho	Calif.	Nev. Utah	Wyo. Colo.	Ariz. New Mex.	Mex.	Total	Largest Indiv. Total	By Whom
Northern (Bull.) Oriole			10	1	143		19	1		174	19	Mewaldt
Brewer's Blackbird	2	12	61	9	167		51	4		306	63	Ferris
Common Grackle		3					162			165	118	Royall
Great-tailed Grackle								3		3	2	Baltosser
Brown-headed Cowbird		5	117	3	51		10	8		194	79	Barrentine
Bronzed Cowbird								1		1	1	Burk
Western Tanager		16	44	8	143	3	25	15		254	68	AS-CSUF
Scarlet Tanager					2					2	1 ea	PRBO (F); Tainter
Summer Tanager							1	3		4	2	Hubbard
Cardinal								51		51	37	Corchran
Pyrrhuloxia								18		18	14	Corchran
Rose-breasted Grosbeak		13	1		7		2	1		24	13	Jones
Black-headed Grosbeak			22	1	170	9	69	33		304	67	AS-CSUF
Blue Grosbeak							4	3		7	3	Collister
Indigo Bunting					5		1	2		8	5	PRBO (F)
Lazuli Bunting			20	59	26	71	80	8		264	78	Collister
Indigo X Laz. Bunting							2			2	2	Collister
Varied Bunting								2		2	2	Harrison
Painted Bunting								3		3	3	New Mexico F & G
Evening Grosbeak		422	107	255		315	308			1407	417	Jones
Purple Finch		18	81		305		4			408	171	PRBO (M)
Cassin's Finch			251	182	60	52	122			667	154	Mewaldt
House Finch			321	166	890	17	755	245		2394	219	Stoner
Pine Grosbeak					1					1	1	AS-CSUF
Gray-cr. Rosy Finch	14						2			16	14	Aleutian Islands NWR
Hoary Redpoll	216									216	172	Peyton
Common Redpoll	1266	48		14						1328	605	Williams, R.B.
Pine Siskin	3	3	325	26	592	1	429			1380	318	Hurlbert
American Goldfinch		1	32	2	354	15	38			442	266	Feltes
Lesser Goldfinch			10		221		16	21		268	89	Tainter
Lawrence's Goldfinch					8					8	7	AS-CSUF
Red Crossbill	1		87					1		89	66	Payne
Green-tailed Towhee			97		3	1	64	38		203	95	Mewaldt
Rufous-sided Towhee	1	12	48		222	16	130	5		434	118	PRBO (M)
Brown Towhee					224		1	24		249	42	Starr Ranch Aud. Sanc.
Abert's Towhee								14		14	12	Corchran
Lark Bunting							2	30		32	24	Corchran
Savannah Sparrow	2136	3	10	7	43		5			2204	1135	Peyton
Grasshopper Sparrow					7		1			8	7	PRBO (M)
Vesper Sparrow			100		2		35	2		139	100	Mewaldt
Lark Sparrow		8			12		19	7		46	17	Truan
Rufous-winged Sparrow								2		2	2	Corchran
Rufous-crowned Sparrow					10			1		11	6	PRBO (M)
Black-throated Sparrow					1			24		25	18	Corchran
Sage Sparrow					1					1	1	PRBO (M)
Dark-eyed (Wh-w) Junco	163	141	7	3	5	11	19			19	8	Collister
Dark-eyed (SI-c) Junco							76			406	141	Jones
Dark-eyed (Oreg) Junco	170	10	770	232	982	220	413	40		2837	229	AS-CSUF
Gray-headed Junco					1		114	16		131	27	Collister
Yellow-eyed (Mex.) Junco								3		3	2	Gates
Hybrid Junco							3			3	2	Chase
Junco (Sp.?)					1	5	1			7	5	Balgh
Tree Sparrow	82	3			3	261				349	82	Robinson
Chipping Sparrow		169	70	34	86	13	74	43		489	166	Jones
Clay-colored Sparrow		13			4		4	3		24	13	Jones
Brewer's Sparrow		1	107	1	2		5	10		126	107	Mewaldt
Field Sparrow							1			1	1	Chase
Black-chinned Sparrow					3					3	1 ea	Bleitz; PRBO(M); Starr
Harris' Sparrow	1		1	3	2		12			19	4	Robinson
White-crowned Sparrow	228	11	1181	59	3141	11	535	2318		7484	1743	Corchran
Golden-crowned Sparrow	77		151		1194	1				1423	208	Mewaldt
White-throated Sparrow		62			873		5	8		948	854	AS-CSUF
Fox Sparrow	45	4	79		324		2	2		456	122	PRBO (M)
Lincoln's Sparrow	11	24	9	6	98	3	102	132		385	102	Corchran
Swamp Sparrow								1		1	1	Corchran
Song Sparrow	5	19	136	38	264	6	45	1		514	177	PRBO (M)
McCown's Longspur							7			7	7	Pillmore
Lapland Longspur	405						1			406	267	Clarence Rhode NWR
Snow Bunting	66									66	62	Aleutian Islands NWR
McKay's Bunting	10									10	10	Clarence Rhode NWR
GRAND TOTALS	9,451	22,334	19,156	13,244	39,363	4,380	33,630	8,406		149,964		

Hawaiian birds

Species	Total	By Whom
Wedge-tailed Shearwater	3	Jobanek
Dark-rumped Petrel	5	Haleakala NP
Bonin Island Petrel	563	Jobanek
Red-tailed Tropicbird	3	Jobanek
Red-footed Booby	12	Sekora
Hawaiian Goose (Nene)	4	Haleakala NP
Hawaiian Duck (Koloa)	58	Hawaiian F & G



Summary report of individual banders

325 responding banders

(34 sub-permittees)

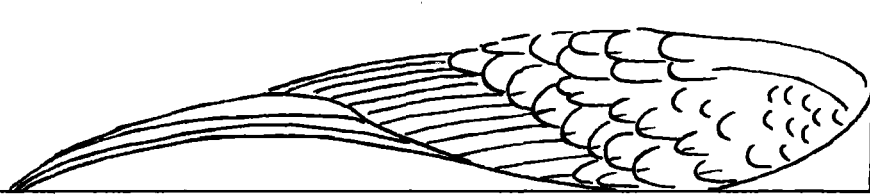
83 banders reporting no birds banded

	Bander	Address	Species	No.
A	Abbors, Stephen E.	4889 Larimer Way, Castro Valley, CA 94546	1	3
	Abeles, Ernest R.	3150 N. Sheridan Rd., Chicago, IL 60657	3	34
	Adamson, J.	5605 Val Verde Rd., Loomis, CA	2	33
	Alaska Dept. Fish/Game	See Timm, Daniel		
	Aleutian Islands N.W.R.	P.O. Box 5251, Adak, AK 98791	11	1071
	Andersen, William C.	Ornith. Res. Ctr., Otero Jr. College, La Junta, CO 81050	4	182
	Arizona Game/Fish Dept.	2222 W. Greenway Rd., Phoenix, AZ 85023	3	781
	Atwood, Jonathan L.	2218 San Anselmo, No. 6, Long Beach, CA 90815	7	162
	Avian Studies, Calif. St. Univ.	Calif. State Univ., Fresno, CA 93755	80	2505
	(Dr. Arthur Staebler)			
B	Baldwin, Dr. Paul H.	Dept. Zool. & Ent., Colorado St. Univ., Ft. Collins, CO 80523	7	85
	Balph, Dr. Martha H.	1344 Canyon Road, Logan, UT 84321	11	452
	Baltosser, William Henry	Box 3AF, Dept. Biol., New Mex. St. Univ., Las Cruces, NM 88003	17	56
	Benning, Douglas S.	Rte. 1, Box 95B, Conifer, CO 80432	5	3150
	Bleitz, Don	5334 Hollywood Blvd., Hollywood, CA 90027	32	420
	Bloom, Peter H.	13611 Hewes Ave., Santa Ana, CA 92705	27	537
	(Jackson, Richard)			
	(Walker, Robert)			
	Bosque del Apache NWR	Box 278, San Antonio, NM 87832	3	185
	Bowdoin NWR	P.O. Box J, Malta, MT 59538	3	594
	Boyd, Dr. Roger L.	905 King, Box 379, Baldwin City, Kansas 66006	10	206
	Braun, Dr. Clait E.	Wild. Res. Ctr, Box 2287, Ft. Collins, CO 80522	2	500
	Briggs, Kenneth T.	Center for Coastal Marine Studies, U. of C., Santa Cruz, CA 95064	5	140
	Bull, Evelyn L.	Rt. 2, Box 2315, La Grande, OR 97850	1	33
	Burk, Kathryn B.	2738 W. Casas Dr., Tucson, AZ 85704	70	965
C	Calif. Dept of Fish and Game	1416 Ninth St., Sacramento, CA 95814	15	9861
	Channing, Dr. Edward C.	2621 El Camino, Turlock, CA 95380	1	337
	Channing, C.H.	Box 206, Clearlake, WA 98235	8	49
	Cheeseman, Douglas T. Jr.	Dept. of Biol., DeAnza College, Cupertino, CA 95014	37	472
	Clarence Rhode NWR	Box 346, Bethel, AK 99559	26	1747
	Collier, Dr. Gerald	Dept. Zoology, SDSU, San Diego, CA 92182	7	189
	Collins, Dr. Charles T.	Dept. of Biol., Cal. St. Univ., Long Beach, CA 90840	5	66
	(Landry, Ross L.)		1	43
	(Least Tern Recovery Team)		1	295
	(Massey, Barbara W.)		1	5
	(Roelen, David C.)		4	18
	Collister, Allegra	2640 Woodridge Ct., Apt. 3, Placerville, CA 95667	99	1954
	(Esposito, Richard)			
	(Esposito, Tony)		14	59
	Colorado Division of Wildlife	Box 2287, Ft. Collins, CO 80522	11	20,743
	Colorado Mtn. College	Glenwood Springs, Co 81601	3	26
	(Mr. Parry Larsen)			
	Columbia NWR	P.O. Drawer F, Othello, WA 99344	2	2127
	Connors, Peter G.	Box 247, Bodega Bay, CA 94923	3	138
	(Connors works under Frank A. Pitelka who did not report)			
	Corchran, Charles E.	Box 367, Lake Hubert MN 56459	57	2464
	Cowley, Lloyd T.	3321 SW Willamette Ave., Corvallis, OR 97330	13	128
	Crawford, John A.	Dept. Fish. & Wild., Ore. St. Univ., Corvallis, OR	1	36
	Crockett, Allen B.	2131 Bluebell, Boulder, CO 80302	13	129

Bander	Address	Species	No.
D	Davis, Dr. John	Hastings Reservation, Star Rt., Box 80, Carmel Valley, CA 93924	14 370
	Deer Flat NWR	Box 448, Nampa, ID 83651	2 249
	DeJong, Daniel	Rural Rte., Marion, MT 59925	7 49
	Denver Wildlife Research Center,	Bldg. 16, Federal Center, Denver, CO 80225	6 49
	DeSante, David	Reed College, Portland, OR 97202	25 173
	Deuel, Bruce E.	1843 Clark Rd., Live Oak, CA 95953	4 123
	Doutt, Richard	1781 Glen Oaks Dr., Santa Barbara, CA 93108	15 139
	Drewien, Rod	Idaho Coop. Wild. Research Unit, U. of Ida., Moscow, ID 83843	2 27
E	Endangered Species Program	New Mexico Dept. Game/Fish, Villagra Bldg., Santa Fe, NM 87503	38 500
	Elmore, Marjorie M.	1728 Hudson Dr., San Jose, CA 95124	6 26
	Ervin, Dr. Stephen	Dept. Biol., CSUF, Fresno, CA 93740	10 58
F	Feltes, Charles H.	437 Myrtle Ave., Modesto, CA 95350	39 1264
	Ferris, Reed W.	729 Hackberry Place, Fallbrook, CA 92028	19 336
	Fisler, George F.	Biology, Cal. St. Univ., Northridge, CA 91330	2 11
	Fitzner, Richard E.	Battelle Northwest Labs, Richland, WA 99352	7 83
	Fox, Freda M.	650 Lorraine, Pomona, CA 91767	1 8
	Frissell, Dr. Sidney S.	408 Village Pl., Missoula, MT 59801	5 31
	Fyfe, R.	Canadian Wildlife Serv., 1110-10025 Jasper Ave., Edmonton, Alta T5J-1S6	21 1345
G	Gates, Mr. and Mrs. James M.	3025 E. 2nd St., Tucson, AZ 85716	6 33
	Gehlert, R.C.	12155-96 St., Edmonton, Alta	5 18
	Giesen, Kenneth M.	Wild. Res. Ctr., Box 2287, Ft. Collins, CO 80522	1 178
	Gill, Robert Jr.	2221 Muldoon Rd., No. 587, Anchorage, AK 99504	18 215
	Glinski, Richard L.	Box 17114, Tucson, AZ 85731	7 51
	Grant, Gilbert S.	Dept. of Biol., UCLA, Los Angeles, CA 90024	3 12
	Graul, Dr. Walter	Colo. Div. of Wildlife, 6060 Broadway, Denver, CO 80216	2 103
	Grays Lake NWR	Box 837, Soda Springs, ID 83276	1 384
H	Hadow, Dr. Harlo H.	Ft. Lewis College, Durango, CO 81301	5 55
	Haleakala Nat'l Park	Box 537, Makawao, HI 96768	2 9
	Hansen, Robert B.	665 W. Dovewood Ln., Fresno, CA 93704	9 13
	Hanson, Wayne C.	522 Canyon Rd., Los Alamos, NM 87544	9 146
	Harris, Dr. Stanley	Humboldt State U., Arcata, CA 95521	7 276
	Harrison, Bill	Box 866, Nogales, AZ 85621	17 52
	Hawaiian Div. of Fish and Game	1151 Punchbowl St., Honolulu, HI 96813	1 58
	Hawthorne, Vernon M.	U.C. Sage Hen Creek Station, Box 939, Truckee, CA 95734	3 10
	Henney, Dr. Charles J.	Pacific NW Field Sta., 480 SW Airport Rd., Corvallis, OR 97330	13 438
	Herlugson, Christopher J.	Dept. of Biol., Wash. St. U., Pullman, WA 99164	2 287
	Herman, Steven G.	Rt. 18, Box 393, Olympia, WA 98502	1 74
	Hicks, Dennis G.	813 E. 4th, Ellensburg, WA 98926	13 123
	Hoffman, Richard W.	Wild. Res. Ctr., Ft. Collins, CO 80521	2 49
	Hubbard, Dr. John P.	2097 Camino Lodo, Santa Fe, NM 87501	44 175
	Hudler, George W.	Dept. Plant Path. Cornell Univ., Ithaca, NY 14853	2 108
	Hundertmark, C.A.	626 Dartmouth NE, Albuquerque, NM 87106	23 91
	Hunt, G.L.	Dept. of Ecol. and Evol. Biol. U. of C., Irvine, CA 92717	14 1749
	Hurlbert, Capt. E.B.	Box 123, Pacific Grove, CA 93950	13 395
	Hyde, Kenneth M.	Point Loma College, 3900 Lomaland Dr., San Diego, CA 92106	19 73
I	Idaho Coop Wild. Res. Unit	Col. FWR, U of Idaho, Moscow, ID 83843	4 55
	Idaho Dept. of Fish & Game	600 S. Walnut, Box 25, Boise, ID 83707	7 6119
	Int'l Bird Rescue Res. Ctr.	Aquatic Park, Berkeley, CA 94710	54 480
J	Jarvis, Robert L.	Dept. Fish. & Wild., OSU, Corvallis, OR 97331	7 949
	Jobanek, Chip	38713 McKenzie Hwy., Springfield, OR 97477	41 1116
	Johnson, D.R.	Biol., Univ. of Idaho, Moscow, ID 83843	4 102
	Johnson, Virginia P.	4637 Del Mar Ave., San Diego, CA 92107	1 223
	Jones, Edgar T.	6115 - 141st St., Edmonton, Alta	88 2974
K	Kaminsky, Mrs. Muriel	1213 Robertson Way, Sacramento, CA 95818	8 72
	Kebbe, Chester E.	5414 NE Emerson St., Portland, OR 97218	24 348
	Killpack, Merlin L.	1726 24th St., Ogden, UT 84401	22 305
	Klasson, Barbara	Box 70K Fern Road East, Whitmore, CA 96096	3 15
	Kochert, M.N.	BLM, 230 Collins Rd., Boise, ID 83702	9 285
	Koenig, Walter	Hastings Res., Star Rte, Box 80, Carmel Valley, CA 93924	3 73
	Kootenai NWR	Star Rte 1, Box 160, Bonners Ferry, ID 83805	1 9
	Kuyt, E.	CWS, Room 1110, 10025 Jasper Ave., Edmonton Alta T5J 1S6	23 1558
L	Layton, Frank C.	Box 2851, Casper, WY 82602	12 26
	Lee, Robert C. Jr.	506 Livoti Ave., Roseville, CA 95678	1 1
	Leopold, Dr. A. Starker	Dept. Forestry & Conserv., U. of C., Berkeley, CA 94720	4 155
	Lindner, Mrs. Mary P.	Rt. 1, Box 10, Hesperus, CO 81326	46 365
	Lindsdale, MaryAnn R.	657 Kirkwood Ave., Salinas, CA 93901	5 153
	Littlefield, Leon	Box 2176, Los Banos, CA	1 42

	Bander	Address	Species No.	
M	McCallum, D.A.	Box 652, Green Mtn. Falls, CO 80819	46	358
	Chase, Charles III		60	829
	McNary NWR	Box 308, Burbank, WA 99323	1	515
	McNicholl, Martin K.	Dept. of Zool. Univ. of Alberta, Edmonton, Alta T6G 2E9	22	132
	MacDonald, John A.	128 Sharon Ct., Los Gatos, CA 95030	24	530
	Maestrelli, John	U.S. Fish & Wild. Serv., 300 Booth St., Reno, NV 89509	1	3
	Malheur NWR	Box 113, Burns, OR 97720	4	420
	Marti, Dr. Carl D.	Dept. of Zool., Weber St. College, Ogden, UT	6	21
	(Everett, Stephen W.)		12	115
	Martin, Donald F.	Box 155, Cowiche, WA 98923	4	390
	Medicine Lake NWR	Medicine Lake, MT 59247	2	70
	Merrick, George G.	3090 NE Denner Rd., Bend, OR 97701	10	285
	Mewaldt, Dr. L. Richard	4150 Golf Drive, San Jose, CA 95127	103	4054
	Monte Vista NWR	Box 511, Monte Vista, CO 81144	7	1973
	Moos, Louis M.	712 S. 13th, Bozeman, MT 59715	25	1262
	Mossop, D.H.	Box 2703, Whitehorse, Yukon Territory, Canada	15	1722
	Mullen, Dr. David A.	Dept. of Biol., Univ. of San Fran., San Francisco, CA 94117	13	176
	Munro, W.T.	BC Fish and Wildlife Branch, Victoria, BC	7	927
	Murphy, Dr. J.R.	Dept. of Zool., 167 WIDB, Brigham Young Univ., Provo, UT 84602	3	21
N	National Bison Range	Moiese, MT	1	390
	Nevada Dept. of F. and G.	Box 10678, Reno, NV 89510	18	767
	Norman, K.D.	Box 3737, Portland, Ore. 97208	14	9206
O	Oakland Park and Rec. Dept.	1520 Lakeside Dr., Oakland, CA 94612	8	209
	Oregon Dept. of F. and Wild.	Box 3737, Portland, OR 97208	6	897
	Orians, Dr. Gordon H.	Dept. of Zool., Univ. of Wash., Seattle, WA 98105		
	(D'Arms, Elenora H.)		1	92
	(Erckmann, William J. Jr.)		3	87
	(O'Connor, Eileen)		3	155
	(Searcy, William A.)		3	209
	(Wood, Douglas E.)		2	187
P	Paul, Don S.	1214 W. 5050 South, Ogden, UT 84403	8	77
	Payne, Donald E.	34886 Mathews Rd., Eugene, OR 97405	55	661
	Peterson, Don L.	1309 Lima St., Burbank, CA 91505	4	20
	Peterson, Liven	2015 Sunrise Rim Rd., Boise, ID 83705	7	218
	Peyton, Leonard J.	Inst. of Arctic Biol., Univ. of Alaska, Fairbanks, AK 99701	50	2183
	Pillmore, Richard E.	U.S. F. and Wild. Serv., 3825 E. Mulberry St., Ft. Collins, CO	2	199
	Point Reyes Bird. Observ.	4990 State Rte. 1, Stinson Beach, CA 94970		
	Farallon Islands		95	3424
	Mainland		90	4569
	Porter, David K.	Star Rte. A, Box 600, Willow, AK 99688	10	43
	Powers, Leon R.	224 W. Dewey, Nampa, ID 83651	27	135
	Provincial Mus. of Alberta	12845 — 102 Ave., Edmonton, Alta T5N 0M6	8	1001
	(Burns, R.D.)			
R	Radke, Eleanor L.	Box 446, Cave Creek, AZ 85331	18	179
	Ravalli NWR	Box 257, Stevensville, MT 59870	1	5
	Ream, Catherine H.	4217 Timberlane, Missoula, MT 59801	8	60
	Red Rock Lakes NWR	Monida Star Rt., Box 15, Lima, MT 59739	1	51
	Ridgefield NWR	Box 457, Ridgefield, WA 98642	1	10
	Rigney, Michael	Biology Serviceroom, SJSU, San Jose, CA 95192	63	1661
	Robinson, Gary G.W.	Box 96, Yoder, WY 82244	16	143
	Rogers, Thomas H.	E. 10820 Maxwell, Spokane, WA 99206	8	79
	Rothstein, S.I.	Dept. Bio-Sci., Univ. of Calif., Santa Barbara, CA 93106	25	656
	(Schroeder, Donald A.)			
	Royall, W.C. Jr.	Denver Wild. Res. Ctr., Bldg 16, Fed. Ctr, Denver, CO 80225	25	827
	Ryder, Dr. Ronald A.	Dept. Fish. and Wild. Biol., Colo. St. Univ., Ft. Collins, CO 80523	41	1301
	(Bodner, Theodore Patton)		22	214
	(Chase, Charles A.)		11	100
	(Griese, Herman)		5	234
	(Hollowed, Edward J.)		34	114
S	Sacramento NWR	Rt. 1, Box 311, Willows, CA 95988	1	1041
	Salata, Larry	22 Fieldbrook Pl., Moraga, CA 94556	2	88
	Salton Sea NWR	Box 247, Calipatria, CA 92233	3	88
	San Miguel, Michael	409 Meadow Ln., Monrovia, CA 91016	36	424
	(Butters, Dana)		12	97
	(Butters, David)		14	53
	Schaeffer, Philip P.	376 Greenwood Beach Rd., Tiburon, CA 94920	8	43
	Seamans, James O.	8626 E. Mackenzie Dr., Scottsdale, AZ 85251	1	1
	Sekora, Palmer C.	Fish and Wild. Serv., 337 Uluniu St., Kailua, HI 96734	1	12

Bander	Address	Species No.	
Servheen, Christopher (Aller, Steve) (Barrentine, Carl) (English, Walter) (Nelson, Bruce)	235 E. Sussex Ave., Missoula, MT 59801	13 5 22 10 4	112 35 1982 100 31
Shepard, M.R.	Box 141, Glen Ellen, CA 95442	24	163
Shor, Williston	318 Montford Ave., Mill Valley, CA 94941	3	18
Shultz, Carol	2008 E. Linden, Caldwell, ID 83605	13	36
Simmons, Steve	2499 5th Ave., Merced, CA 95340	4	730
Smith, Mr. Kimberly	Dept. of Biol. UMC 53, Utah St. Univ., Logan, UT 84322	19	218
Smith, E. Linwood	9527 E. Stella Rd., Tucson, AZ 85730	20	69
Snyder, Mrs. C.H. (Mildred O.)	161 Del Mar Circle, Aurora, CO 80011	45	249
Spitler, Shirley	Box 3128, YPG, Yuma, AZ 85364	14	132
Springer, Fred F.	Wild. Res. Field Stat., Humboldt St. Univ., Arcata, CA 95521	2	67
Starr Ranch Aud. Sanc.	Box 157, San Juan Capistrano, CA 92675	38	198
Steeves, L.R.	38131 S.E. Serban Rd., Sandy, OR 97055	7	140
Stewart, Charles J.	Dept. of Biol., City Coll. of S.F., San Francisco, CA 94112	12	70
Stokes, Allen W.	1722 Saddle Hill Drive, Logan, UT 84321	1	65
Stone, Charles P.	12355 W. Texas Dr., Lakewood, CO 80228	8	84
Stoner, Emerson A.	285 East L St., Benicia, CA 94510	38	1294
Stout, Dr. H.B.	Box 517, Brewster, WA 98812	1	2
Strong, Mark A.	2115 Thomas Ave., Apt. 2, Alamosa, CO 81101	6	255
Swisher, Otis D.	1002 S. Oakdale, Medford, OR 97501	28	167
T	Tainter, Fern R.	44	693
	Tenaza, Richard R.	4	14
	Thorne, Dr. Oakleigh II	12	47
	Timm, Daniel	19	2080
	Trann, Ken	30	204
	Troetschler, Ruth	11	69
	Trost, Dr. C.H. (English, Joyce)	38 1	976 25
	(Jeppson, Joseph H.)	26	808
	Truan, Van A.	44	573
U	Umatilla NWR	10	1013
	Utah Div. Wild. Res.	13	2036
V	Vincenty, Joseph A. III	4	15
	Voelzer, James F.	9	2820
	Voth, Dr. Elver H.	6	20
W	Wagner, Judith L.	6	10
	Wahl, Terence R.	8	2270
	Ward, Michael E.	5	16
	Washington Dept. of Game	4	1142
	Webb, Bruce E.	10	78
	Welch, J.M.	1	12
	Wells, Shirley	8	45
	West, Dr. George C.	4	20
	(Magoun, Audrey)	1	36
	(Mickelson, Peter)	3	48
	(Schamel, Douglas)	11	574
	(Senner, Stan)	4	20
	(Shields, Gerald)	10	90
	Weston, Henry G. Jr.	4	14
	Wilcox, Carl G.	1	28
	William L. Finley NWR	2	155
	Williams, Dr. Ralph B.	25	1092
	Winkler, David W.	11	251
	Winkler, Howard A. (M.D.)	12	214
	Winternitz, Barbara L.	3	12
	Witt, Dale	10	1343
	Woodby, Doug	2	3
	Wyoming Game and Fish Dept.	10	2754



Commentary on the 1976 Annual Report

Steven M. Speich

During 1976, a total of 149,964 individual birds were reported banded in the territory covered by W.B.B.A. This is a 20% increase over the numbers reported banded in 1975 but still is only 79% of the ten-year average of 189,168 birds reported banded (Table 1). The present ten-year average, 1967-1976, is 74% of the ten-year average calculated in 1973. These earlier averages reflect the huge numbers of birds banded by personnel of the U.S. National Museum's Pacific Project. This year only 648 birds were reported banded in the Hawaii-Pacific Islands area compared with 603,807 individuals in 1966! Excluding the latter area, the ten-year average for the contiguous continental areas covered by W.B.B.A. is 162,587 birds banded each year. This year's mainland total is 92% of this average and represents an increase over the last three year's totals.

This year 208 Master Permittees and 34 Sub-permittees reported their banding results for 1976. Additionally, 83 indicated that they were inactive during the report period. The total of 242 active reports received is 19% higher than the ten-year average. Ninety-eight individuals and agencies reported banding less than 100 birds. On the average, each reporter banded 961 birds and approximately 14 species. The largest number of

species reported banded is from L.R. Mewaldt (Avian Biology Laboratory, San Jose State Univ., CA) with 103 species, followed by Allegra Collister (Placerville, CA) — 99, and the Point Reyes Bird Observatory (Farallon Islands) — 95 and (Mainland) — 90. The Colorado Division of Wildlife banded the largest number of individuals — 20,743, followed by the California Department of Fish and Game — 9,861, K.D. Norman — 9,206, and the Idaho Department of Fish and Game — 6,119. There were no other reports of more than 5,000 banded individuals.

There were 414 "species" and "forms" banded during 1976, including 7 species from the Hawaii-Pacific Islands area. Of the 407 banded on the mainland, 10 were hybrids and unidentified species. The former includes Mallard X Pintail — 1; Allens' X Anna's Hummingbird — 1 (first W.B.B.A. record); Hybrid flicker (*Colaptes*) — 15; Myrtle X Audubon's Warbler — 1; Hermit X Townsend's Warbler — 1; and Indigo X Lazuli Bunting — 1. The latter includes the banding of unidentified scaup — 1; dowitcher — 1; *Empidonax* — 10; and *Junco* — 6.

In the 1976 report of numbers banded there are 19 species of which more than 1,000 individuals were

Table 1. Banding summary 1967-1976

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	10-year average
Including all sources											
Number of reports	192	193	226	213	195	187	164	189	236	242	204
Reports of less than 100 birds	71	64	87	82	69	77	73	67	116	98	80
Species banded	404	415	406	360	381	366	377	393	412	410	394
Birds banded	364,732	223,968	218,974	184,681	185,946	167,358	137,408	139,103	119,547	149,964	189,168
Average species/bander	15.9	15.7	13.6	14.8	14.5	14.9	15.2	18.3	13.6	14.3	15.1
Average birds/bander	1,901	1,160	895	867	830	890	723	658	514	961	940
Excluding Hawaii-Pacific area											
Birds banded	163,069	192,388	189,986	184,284	184,794	166,648	137,112	138,923	119,339	149,964	162,652
Birds banded by area											
Alaska	4,742	4,015	1,189	2,443	3,130	1,774	6,216	2,164	4,185	9,451	3,931
Yukon, B.C., Alberta	6,293	9,851	12,256	8,133	11,136	7,718	7,307	4,069	9,086	22,334	9,818
Washington, Oregon	24,715	28,202	29,137	24,319	17,101	18,472	14,963	12,598	10,597	19,156	19,953
Idaho, Montana	18,391	19,133	17,770	15,788	14,920	14,652	10,019	11,403	5,999	13,244	14,132
California	48,168	66,327	76,121	71,690	71,241	62,108	46,428	41,110	43,243	39,363	56,580
Nevada, Utah	19,137	13,260	12,595	13,081	11,145	8,541	6,112	7,392	6,485	4,380	10,213
Wyoming, Colorado	31,215	36,159	30,864	33,295	40,246	40,399	35,973	36,643	32,232	33,630	35,076
Arizona, New Mexico*	15,027	14,987	9,022	15,535*	16,393*	10,672	10,051	11,421	7,614	8,406	11,913
Mexico*	123	456	32	—	—	2,312	43	239	106	—	—
Hawaii, Pacific Islands	201,663	31,580	29,988	397	1,152	710	296	180	208	648	26,682

*Combined in 1970, 1971

ringed. By far the largest numbers are accounted for by certain waterfowl with 27,238 Mallards, 14,295 Canada Geese, 11,360 Pintails, and 6,370 Green-winged Teal. Waterfowl make up 47% (69,734) of all birds banded and are almost entirely the result of the activities of various agencies. Ring-necked Pheasants (2,871), Band-tailed Pigeons (4,394), and Mourning Doves (1,498) also received the attention of agencies. Three gull species were ringed in large numbers: Glaucous-winged — 2,224; Western — 3,382; and California — 1,100. In all, 50,298 passerines were banded, or 24% of the

total. Of these, 9 species registered more than 1,000 individuals marked. For roughly two-thirds of the species banded, over one-half of their numbers were banded by one person, group, or agency, thus in part reflecting the directed nature of many banding operations.

Again, special thanks go to Otis D. Swisher for his painstaking work of compiling the yearly banding results. ♦

6557 E. Osborn Rd., No. 12, Scottsdale, AZ 85250.

Worksheets for Western Birds

Ageing/sexing worksheets for western birds are mailed with NABB only to Western Bird Banding Association members. They are, however, available to anyone interested. For each worksheet desired, send 25 cents (or \$1.00 for any five worksheets) to Mrs. Donald F. Radke, P.O. Box 446, Cave Creek, AZ 85331.

The following species sheets have been issued: Harris' Hawk, Scaled Quail, California Quail, Gambel's Quail, Mountain Quail, Common Snipe, Band-tailed Pigeon, key to kingbirds, Eastern Kingbird, Tropical Kingbird, Western Kingbird, Cassin's Kingbird, Myarchis flycatchers, Violet-green Swallow, Tree Swallow, Yellow-billed Magpie, Verdin, Bushtit, Varied Thrush, gnatcatchers, Orange-crowned Warbler, waterthrushes, Oporornis warblers, Tricolored Blackbird, Western Tanager, Summer Tanager, Black-headed Grosbeak, Lazuli Bunting, Cassin's Finch, Common Redpoll, American Goldfinch, Lesser Goldfinch, towhees.

There is a need for additional worksheets. Members are urged to submit data to the worksheet editor, Dr. Charles T. Collins, Department of Biology, California State University, Long Beach, CA 90840, who can help with the final format write-up. Data need not be original; field testing to prove its reliability is all that is required.

(Editor's note: These worksheets are not bound into NABB for two reasons: (1) They are easier to use in the loose-leaf format. They can be slipped into a clear plastic jacket to be taken into the field — protected against wind, rain, and other hazards. (2) The worksheets are, at this time, tentative. Everything possible is done to insure their accuracy, but it is difficult to be certain that everyone having significant data has been contacted. By issuing the worksheets as we have, they go out into the

field where, hopefully, we can get critical feedback. Then, if need be, corrected sheets can be issued.)



W.B.B.A. decals

Attractive, three-color decals — with the W.B.B.A. logo — are now available. In black, white and orange, these decals make an eye-catching addition to luggage, car and camper windows, banding bags, etc.

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All new and renewing Sustaining Members will receive a complimentary decal.

This regular feature is designed to promote cooperation and information exchange among banders and other field biologists. Please remember, however, that sightings of marked birds should be reported directly to the Bird-Banding Lab, which will then notify the bander responsible.

Auxiliary marking authorizations

Edited by Jon L. Atwood

Pink-footed and Sooty Shearwater: Paint and/or wing markers in southern CA. Kenneth T. Briggs, Dept. of Biology, Univ. of Calif., Santa Cruz, CA 95064.

White Pelican: Plastic leg streamers and patagial tags in vicinity of Lakeview, OR. Dr. Robert L. Jarvis, Dept. of Fisheries and Wildlife, Oregon State Univ., Corvallis, OR 97331.

Double-crested and Brandt's Cormorant: Temporary radio transmitters in coastal southern CA. Briggs, address above.

Whistling Swan: Engraved plastic leg and neck bands in vicinity of Clarence Rhode NWR, AK. Christian P. Dau, Clarence Rhode NWR, Box 346, Bethel, AK 99559.

Canada Goose: Food coloring dye on the Clearwater River in Nez Perce Co., ID. Elwood G. Bizeau, Idaho Cooperative Wildlife Research Unit, Univ. of Idaho, Moscow, ID 83843.

Canada Goose: Numbered neck collars in vicinity of Yellowstone River, MT. Dale Witt, Montana Dept. Fish and Game, Box 488, Fairfield, MT 59436.

Oldsquaw and Common (Pacific) Eider: Numbered plastic nasal saddle on north coast Seaward Peninsula, AK. Dr. George C. West, Institute of Arctic Biology, Univ. of Alaska, Fairbanks, AK 99701.

Red-tailed Hawk and Golden Eagle: Wing tags and paint on wings and tail in WY. Erwin L. Boeker, Denver Wildlife Research Center, Bldg. 16, Federal Center, Denver, CO 80225.

Swainson's and Rough-legged Hawk, Prairie Falcon, and Am. Kestrel: Paint on wings and tail in WY. Boeker, address above.

Golden Eagle: Back tags in vicinity of Snake River Birds of Prey Natural Area, ID. Michael N. Kochert, Bureau of Land Management, 230 Collins Rd., Boise, ID 83702.

Southern Bald Eagle: Wing tags, numbered rivet band tabs, plastic leg bands and radio transmitters in AZ. Dr. Robert D. Ohmart, Dept. of Zoology, Ariz. State Univ., Tempe, AZ 85281.

Prairie Falcon: Radio transmitters in vicinity of Lava Beds Nat'l. Monument, OR. Jarvis, address above.

Masked Bobwhite: Plastic leg bands in Sonora, Mexico and southern AZ. Dr. David Ellis, Ariz. Field Station, Endangered Wildlife Program, 301 W. Congress, Room 3-B, Tucson, AZ 85705.

Sandhill Crane: Numbered plastic leg bands and neck collars in Yukon-Kuskokwim delta region, AK. Dau, address above.

Yuma Clapper Rail: Plastic leg bands on the Colorado River below Needles, CA. Ellis, address above.

Snowy Plover: Plastic leg bands in Marin Co., CA. Jane P. Church, Point Reyes Bird Observatory, 4990 State Route 1, Stinson Beach, CA 94970.

Mountain Plover: Dye in Weld Co., CO. Dr. Lowell McEwen, Rocky Mountain Field Station PWRRC, Bldg. 16, Federal Center, Denver, CO 80225.

Dunlin: Plastic leg bands and/or dye and/or patagial tags in vicinity of Nisqually River delta, WA. Dr. Steven G. Herman, Route 18, Box 393, Olympia, WA 98502.

Dunlin and Western Sandpiper: Glued colored hackle feathers in Copper and Bering River deltas, AK. West, address above.

Buff-breasted Sandpiper: Plastic leg bands in vicinity of Storkerson Pt., AK. Dr. Dirk V. Derksen, USFWS, 813 D St., Anchorage, AK 99501.

Western Gull: Plastic leg bands in Santa Cruz Co. and Mateo Co., CA, and temporary radio transmitters in southern CA. Briggs, address above.

Western Gull: Plastic leg bands in Los Angeles Co., CA. Judith Latta Hand, Biology Dept., Univ. of Calif., Los Angeles, CA 90272.

Xantus' Murrelet: Temporary radio transmitters in southern CA. Briggs, address above.

Burrowing Owl: Numbered wing tags in Los Angeles Co., CA. David W. Foster, Whittier Narrows Nature Center, 1000 N. Durfee Ave., S. El Monte, CA 91733.

Anna's and Calliope Hummingbird: Plastic back streamers in Mono Co. and Inyo Co., CA. Dr. F. Lynn Carpenter, Department of Ecology and Evolutionary Biology, Univ. of Calif., Irvine, CA 92717.

Black-chinned, Costa's, Broad-tailed, Broad-billed, Rivoli's, Rufous, Blue-throated, and Violet-crowned Hummingbird: Back tags in Hidalgo Co., Grant Co., Catron Co., Dona Ana Co., NM and Cochise Co., AZ. William H. Baltosser, Box 3AF, Dept. of Biology, New Mexico State Univ., Las Cruces, NM 88003.

Black Phoebe: Plastic leg bands in Humboldt Co., CA. Dr. Stanley W. Harris, Calif. State Univ. Humboldt, Division of Natural Resources, Arcata, CA 95521.

Trail's and Dusky Flycatcher: Plastic leg bands in vicinity of Pullman, WA. Dr. James R. King, Dept. of Zoology, Wash. State Univ., Pullman, WA 99163.

Buff-breasted Flycatcher: Plastic leg bands in Hereford Co. and Cochise Co., AZ. William R. Yutzy, Ramsey Canyon Preserve, Box 84, Hereford, AZ 85615.

Horned Lark: Dye and plastic leg streamers in Weld Co., CO. McEwen, address above.

Stellar's and Scrub Jay: Plastic leg bands in Saratoga, CA. Douglas T. Cheeseman, Jr., Biology Dept., De Anza College, Cupertino, CA 95014.

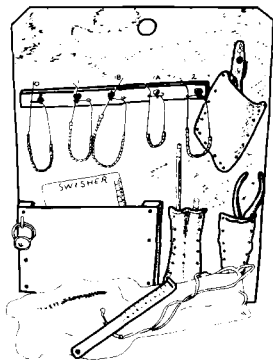
Common Raven: Plastic leg bands in Humboldt Co., CA. Harris, address above.

Common Raven: Radio transmitters in vicinity of Malheur NWR, OR. Joseph P. Mazzoni, Malheur NWR, Box 113, Burns, OR 97720.

Dipper: Plastic leg bands in vicinity of Bear Cr., CO. Mrs. Winston W. Brockner, 5965 S. Hersman Dr., Evergreen, CO 80439.

Dipper: Plastic leg bands in Placer Co., Sierra Co., and Nevada Co., CA. Church, address above.

Dipper: Plastic tape over USFWS bands in vicinity of New River, Trinity Co., CA. Harris, address above.



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Banding Supplies: Bleitz Wildlife Foundation has available a new listing of the more than 100 styles, sizes, colors and types of Mist Nets, Portable Poles, Pesola Scales, etc., which are available from the Foundation. Reprints of "Mist Nets and Their Use" are also available. Bleitz Wildlife Foundation, 5334 Hollywood Boulevard, Hollywood, CA 90027.

B.I.R.D. Manual. The Education Committee of EBBA has compiled the best of old workshop manuals with some new ideas for banders: Ethics, Traps, Nets, Suppliers, Ageing/Sexing Techniques, Identification, and many other aids. It has been prepared for use in a loose leaf notebook and the committee will be adding to the information occasionally with inserts in NABB. The B(anders) I(nformation) R(esource) D(ata) Manual is available from: Tom Mutchler, c/o Hartwood Club, Box 212X, RD 1, Monticello, NY 12701, \$2.50 ppd.

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Checks or money orders should be made payable to Eastern Bird Banding Association.

McCamey Chickadee Trap: \$9.00 F.O.B. Eugene.

This trap is precision made and is designed to take birds the size of jays, grosbeaks, and cardinals. It is illustrated in EBBA Workshop Manual #5, 1975, p. 22.

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... Banders' Marketplace

EBBA Workshop Manual — Volume II is available from Kathy Klimkiewicz, 13117 Larchdale Rd. #2, Laurel, MD 20811. EBBA members: \$1.75 each; non-members: \$2.00. Make checks payable to: Marion Glass, MABBG. Money will be used to finance further workshop manuals.

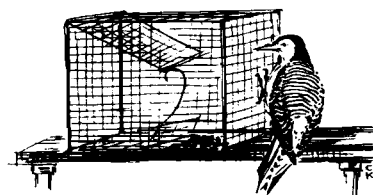
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