

	Bander	Address	Species	No.
S (cont.)	Sowls, Lyle K.	AZ CWRU, Rm 214, Biol., U of A. Tucson, AZ 85721	1	219
	Speich, Steven M.	Wild. Sc. Grp. Coll. For. Res., U of W, Seattle, WA 98195	3	4
	Spofford, Dr. Sally H.	Aguila-Rancho, Portal, AZ 85632	16	207
	Springer, Paul F.	Wild Res. Sta., Humboldt St. U., Arcata, CA 95521	1	158
	Steeves, L.R.	1832 City View St., Eugene, OR 97405	9	92
	Stewart, Charles J.	2432 Scout Rd., Oakland, CA 94611	14	52
	Stokes, Allen W.	1722 Saddle Hill Dr., Logan, UT 84321	1	230
	Stoner, Emerson A.	285 East "L" St., Benicia, CA 94510	43	1712
	Stout, Dr. Harold B.	Box 517, Brewster, WA 98812	1	81
	Strong, Mark A.	1405 Lynn Ave., Billings, MT 59102	5	78
	Swisher, Otis D.	1002 S. Oakdale, Medford, OR 97501	27	193
T	Tainter, Fern R.	355 Evans Rd., San Luis Obispo, CA 93401	59	859
	Thompson-Cowley, Lloyd A.	3321 SW Willamette Ave., Corvallis, OR 97330	31	204
	Thorne, Dr. Oakleigh III	Valley Ctr for Ecol., S. Fork Star Rte, Cody, WY 82414	7	12
	Timm, Daniel	Alaska Dept. Fish/Game, 333 Raspberry, Anchorage, AK 99502	8	125
	Trann, Ken (Nicolai, Brian) (Surcek, Richard)	RR 2, Kingman, Alberta, Canada	36	302
	Truan, Jolan	3314 W. Glenn Dr., Phoenix, AZ 85021	7	90
	Truan, Van A.	833 Harmony Dr., Pueblo West, CO 81007	27	301
	Troetschler, Ruth	184 Lockhart, Los Altos, CA 94022	15	48
	Trost, Dr. Charles H.	Dept. Biol., Id. St. Univ., Pocatello, ID 83209	45	1705
	Tyler, William Breck	249 Appl. Sci UCSC, Santa Cruz, CA 95064	2	7
	U	Umatilla NWR	c/o John Kurtz, Mgr., Box 234, Umatilla, OR 97882	11
Utah Div Wildlife Res.		1596 W.N. Temple, Salt Lake City, UT 84116	7	2569
V	Vincenty, Joseph A., III	8960 Lanier Way, Sacramento, CA 95826	3	7
	Voth, Dr. Elver H.	Dept. Biol. George Fox College, Newberg, OR 97132	19	50
W	Wagner, John L.	Box 445, Walden, CO 80480	4	71
	Wahl, Terence R.	3041 Eldridge, Bellingham, WA 98225	11	473
	Ward, Michael E.	410 Pecan St., Arroyo Grande, CA 93420	6	16
	Washington Dept. Game	c/o Robert Jeffrey, 1100 E. College Way, Mt. Vernon, WA 98273	5	716
	Webb, Bruce E.	Dept. EPO Biol., U of Colo., Boulder, CO 80309	11	137
	Weinrich, Alva E.	7425 Troon Way, Sacramento, CA 95822	1	1
	West, Dr. George C. (Schamel, Douglas) (Sennner, Stan)	Inst. Arctic Biol. U of AK, Fairbanks, AK 99701	17	1019
	Weston, Henry G., Jr.	Dept. Biol., SJSU, San Jose, CA 95192	15	85
	Willapa NWR	Ilwaco, WA 98624	1	14
	William L. Finley NWR	c/o John Annear, Rt. 2, Box 208, Corvallis, OR 97330	2	104
	Williams, Martha	76 Albert Park Ln., San Rafael, CA 94902	38	69
	Williams, Dr. Ralph B.	Box 2354, Juneau, AK 99803	23	466
	Winkler, David	3317 White Oak Court, Sacramento, CA 95825	9	64
	Winkler, Howard A.	Box 1549, Durango, CO 81301	9	181
	Winternitz, Barbara L.	28 Garden Dr., Colorado Springs, CO 80904	6	20
	Witt, Dale	Mont. Fish/Game Dept., Freezeout Lake GMA, Fairfield, MT 59436	10	885
	Wrakestraw, G.F.	Wyo. Game/Fish Dept., Box 467, Torrington, WY 82240	9	1752
	Wright, Phillip L.	3617 Creekwood Road, Missoula, MT 59801	26	146

Commentary on the 1977 Annual Report

Douglas B. Hay

A record 444 species and hybrids were reported banded by W.B.B.A. members and cooperatives in 1977. This total represents an 11% increase over the previous ten-year average and includes the first reports of banded Eurasian Green-winged Teal (311), Aleutian Terns (85), Thick-billed Murres (193), and Sharp-tailed Sparrows (1) in the

W.B.B.A. area. Also contributing to the increase are 19 species from the Hawaii-Pacific area and 7 hybrid forms: Mallard X Black Duck—3; Widgeon hybrid—1; Glaucous-winged X Herring Gull—22; Myrtle X Audubon's Warbler—4; Indigo X Lazuli Bunting—1; Oregon X Slate-colored Junco—9; Slate-colored X White-winged Junco—1.

In contrast, the overall total of 147,739 individuals banded fell 22% below the previous ten-year average, perhaps reflecting a reduction in birds banded in the Hawaii-Pacific Island area as Speich (1977, NABB 2:143) suggested. However, other trends are becoming apparent and may also account for the lower total. Banding activity seems to be shifting northward, as exemplified by an overall 40% reduction in individuals banded in California, Nevada, Utah, Oregon, and Washington and a 125% increase in those recorded from Alaska and western Canada, when compared to the previous ten year average.

From the 460 forms sent out, requesting banding summaries, 330 responses were received. Seventy individuals and stations indicated inactivity during the year, while 223 master permittees and 37 sub-permittees submitted summaries. The total of 260 active reports reflects a gradual increase in recent years, though fewer birds (564) and fewer species per bander (12.1) were indicated.

Point Reyes Bird Observatory reported the largest number of species (108, Farallon Islands and 98, mainland), followed by Edgar Jones, Edmonton (83), and Charles Chase of Colorado Fish and Wildlife (74). Douglas Benning banded the largest number of individuals (9,923), topping Point Reyes (Farallons and mainland, 8,737) and Calvin Lensink, Anchorage (8,341). Again in 1977 there were over 100 summaries reporting less than 100 birds banded per bander.

The ducks and geese continue to be the most prominently banded group, representing 41% of the total. Included are 24,926 Mallards, 11,518 Pintails, and 10,057 Canada Geese. In addition, large numbers of shorebirds, gulls, pigeons, and doves were banded and, as in previous years, this has been largely due to the efforts of various state and federal agencies. Noteworthy totals are 1,566 Dunlin, 1,737 Western Sandpipers, 2,236 Glaucous-winged Gulls, 2,030 Western Gulls, and 4,031 Band-tailed Pigeons. Overall, 28 species were reported for which over 1,000 individuals were banded. Twelve of these 28 species were passerines, which—when totaled—made up 33% overall.

For almost two-thirds (64%) of the 444 species, one bander or agency accounted for at least one-half of all birds banded. This figure, coupled with a decrease in birds and species reported per individual, reflects a continuation of a trend toward directed banding studies noted in last year's Annual Report (Speich, 1977). This has been shown to be a profitable form of banding, resulting in useful data and various papers in NABB, as well as several other journals.

I would like to express my appreciation to Otis Swisher for his exacting compilation of this year's reports. ♦

757 Belmont Ave., Long Beach, CA 90804.

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	10-year average
Including all sources											
Number of reports	193	226	213	195	187	164	189	236	242	223	207
Reports of less than 100 birds	64	87	82	69	77	73	67	116	98	104	84
Species banded	415	406	360	381	366	377	393	412	410	444	396
Birds banded	223,968	218,974	184,681	185,946	167,358	137,408	139,103	119,547	149,964	149,335	167,629
Average species/bander	15.7	13.6	14.8	14.5	14.9	15.2	18.3	13.6	14.3	12.1	14.7
Average birds/bander	1,160	895	867	830	890	723	658	514	961	564	806
Excluding Hawaii-Pacific area											
Birds banded	192,388	189,986	184,284	184,794	166,648	137,112	138,923	119,339	149,316	147,739	161,053
Birds banded by area											
Alaska	4,015	1,189	2,443	3,130	1,774	6,216	2,164	4,185	9,451	19,621	5,419
Yukon, B.C., Alberta	9,851	12,256	8,133	11,136	7,718	7,307	4,069	9,086	22,334	17,409	10,930
Washington, Oregon	28,202	29,137	24,319	17,101	18,472	14,963	12,598	10,597	19,156	13,013	18,759
Idaho, Montana	19,133	17,770	15,788	14,920	14,652	10,019	11,403	5,999	13,244	16,235	13,916
California	66,327	76,121	71,690	71,241	62,108	46,428	41,110	43,243	39,363	35,162	55,279
Nevada, Utah	13,260	12,595	13,081	11,145	8,541	6,112	7,392	6,485	4,380	5,579	8,857
Wyoming, Colorado	36,159	30,864	33,295	40,246	40,399	35,973	36,643	32,232	33,630	29,815	34,926
Arizona, New Mexico*	14,987	9,022	15,535*	16,393*	10,672	10,051	11,421	7,614	8,406	8,569	11,267
Mexico*	456	32			2,312	43	239	106		737	
Hawaii, Pacific Islands	31,580	29,988	397	1,152	710	296	180	208	648	1,596	6,676

*Combined in 1970, 1971

Auxiliary marking authorizations

Edited by Jon L. Atwood

Double-crested Cormorant: Saflage leg streamers in Lake Co., MT. Marcella M. Bishop, Shoeline Route, Polson, MT 59860.

White-tailed Kite: Radio transmitters and/or numbered patagial tags in vicinity of Sacramento, Co., CA. John W. Anderson, 4371 Custin Ave., Sacramento, CA 95822.

Cooper's Hawk: Wing streamers in vicinity of Sacramento Valley, CA. J.C. Adamson, 5665 Val Verde Rd., Loomis, CA 95650.

Bald Eagle: Radio transmitters in Conejos, Rio Grande, Alamosa and Saguache Co., CO. Alan R. Harmata, 521 Maple St., Fort Collins, CO 80521.

Osprey: Plastic leg bands in Deschutes Co., OR. James O. Anderson, Jr. P.O. Box 1068, Bend, OR 97701.

Merlin: Radio transmitters in western MT. Christopher Servheen, 200 Eddy Apt. 3D, Missoula, MT 59801.

Common Snipe: Patagial tags in Butte and Merced Co., CA. Frank M. Kozlik, California Department of Fish & Game, 1416 Ninth St., Sacramento. 95814.

Dunlin: Paint on back or belly in Mason, Thurston, Pierce Co., WA. Dr. Keith L. Dixon, Dept. of Biology, Utah State Univ., Logan, UT 84322.

Dunlin, Western Sandpiper and Least Sandpiper: Plastic leg bands in vicinity of Vancouver, B.C., Canada. David Aldcroft, c/o Canadian Wildlife Serv., 5421 Robertson Rd., Delta, B.C. V8K 3N2.

Black and Says's Phoebe: Plastic leg bands in Santa Barbara Kern, Ventura, and San Luis Obispo Co., CA. Dr. Stephen I. Rothstein, University of California, Dept. of Biological Sciences, Santa Barbara, CA 93106.

Steller's Jay: Plastic leg bands in vicinity of Flagstaff, AZ. Dr. Russell B. Balda, Dept. of Biological Sciences, Northern Arizona Univ., Box 5640, Flagstaff, AZ 86001.

Scrub Jay: Plastic leg bands on Santa Cruz Island and vicinity of Joshua Tree National Monument, CA. Jonathan Atwood, 2218 San Anselme #6, Long Beach, CA 90815.

Common Crow: Plastic numbered leg bands and/or paint and/or dye on wing and tail feathers in vicinity of Sacramento Co., CA. John W. Anderson, address above.

Pinon Jay: Plastic leg bands in vicinity of Flagstaff, AZ. Dr. Russell B. Balda, address above.

Clark's Nutcracker: Plastic leg bands in vicinity of Flagstaff, AZ. Dr. Russell B. Balda, address above.

Mountain Chickadee: Plastic leg bands in Riverside Co., CA. Douglas B. Hay, 757 Belmont Ave., Long Beach, CA 90804.

Mountain Chickadee: Plastic leg bands in Teller Co., CO. Dr. Paul H. Baldwin, Dept. of Zoology and Entomology, Colorado State Univ., Fort Collins, CO 80521.

Common Bushtit: Plastic leg bands in King Co., WA. Dr. Sievert A. Rohwer, Washington State Museum, Univ. of Washington, Seattle, WA 98195.

Pygmy Nuthatch: Plastic leg bands in vicinity of Flagstaff, AZ. Dr. Russell B. Balda, address above.

Pygmy Nuthatch: Plastic leg bands in Teller Co., CO. Dr. Paul H. Baldwin, address above.

Pygmy and White-breasted Nuthatches: Plastic leg bands in Riverside Co., CA. Douglas B. Hay, address above.

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.

Robin: Plastic leg bands in Boulder and Gunnison Co., CO. Dr. Cynthia Carey, Dept. of EPO Biology, Univ. of Colorado, Boulder, CO 80309.

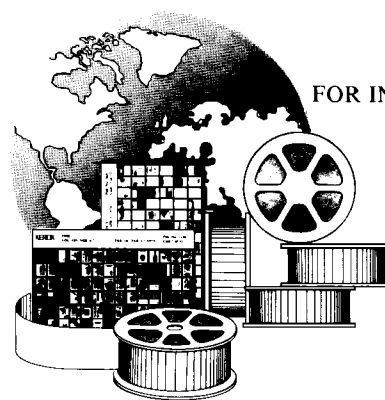
Red-winged Blackbird: Plastic leg bands in Boulder and Gunnison Co., CO. Dr. Cynthia Carey, address above.

Brown-headed Cowbird: Plastic leg bands in Santa Barbara, Kern, Ventura, San Luis Obispo, Inyo, and Mono Co., CA. Dr. Stephen I. Rothstein, address above.

Dark-eyed Junco: Plastic leg streamers in MT. Bart O'Gara, Montana Coop. WRU, Univ. of Montana, Missoula, MT 59801.

White-crowned Sparrow: Plastic leg bands and/or dye on rump and tail feathers in Santa Barbara and San Luis Obispo Co., CA. Dr. Stephen I. Rothstein, address above.

This Publication is Available in MICROFORM



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Recaptures—Non-passerines

Pintail. 776-26158. Banded as AHY-M at Benton Lake NWR, Black Eagle, MT on 12 September 1968. Shot at Guasave, Sinaloa, Mexico on 4 January 1977. 9 plus years old.

American Wigeon. 716-39904. Banded as AHY-M at Benton Lake NWR, Black Eagle, MT on 10 September 1968. Shot at Mecca, CA in May 1977. At least 10 years old.

Gray Hawk. 816-13235. Banded as L-U by R.L. Glinski at Amado, AZ on 27 June 1976. Shot at Navolato, Sinaloa, Mexico on 21 December 1976.

Golden Eagle. 599-05509. Banded as L-U by Joseph R. Murphy, 16 km southwest of Lakeside, UT on 10 June 1973. Caught injured 22 km northwest of Temecula, CA in fall of 1975.

Osprey. 608-14832. Banded as L-U by Daniel W. Anderson near Kino Bay, Sonora, Mexico on 17 April 1972. Found dead at Manhattan Beach, CA on 9 November 1975.

Prairie Falcon. 987-21928. Banded as L-F by Michael N. Kochert, 13 km east of Murphy, ID on 31 May 1976. Found dead at Chandler, AZ on 17 January 1978. Died from ruptured heart. First AZ recovery of this population.

Mountain Plover. 702-83259. Banded as L-U by Roger L. Boyd, 13 km north of Nunn, CO on 20 June 1975. Band number read with spotting scope 1 km from banding site on 14 July 1977. Female with 2 chicks.

Dunlin. 721-50137. Banded as AHY-U at Bolinas Lagoon, CA on 27 October 1968. Netted by Robert Gill at Nelson Lagoon, AK on 7 October 1977. Male, 10 plus years old.

Dunlin. 721-50187. Banded as AHY-U at Inverness, CA on 30 March 1969. Netted by Robert Gill at Nelson Lagoon, AK on 30 August 1977. At least 9 years old.

Forster's Tern. 1113-88915. Banded as L-U by L. Richard Mewaldt at San Francisco Bay, CA on 11 June 1973. Found dead at Ocean Beach, CA on 4 January 1977.

Caspian Tern. 645-38668. Banded as HY-U by L. Richard Mewaldt at San Jose, CA on 22 May 1971. Collected as scientific specimen at Whitcomb Island, WA on 3 June 1976. 6 years old.

Band-tailed Pigeon. 635-44555. Banded as AHY-M by Arizona Game and Fish Dept. at Lakeside, AZ on 18 July 1967. Shot 24 km south of Whiteriver, AZ on 2 October 1976. 10 plus years old.

Barn Owl. 816-00598. Banded as U-M by Peter H. Bloom and Richard Jackson at Camp Pendleton, CA on 23 December 1972. Found dead at same location on 26 August 1977. At least 5 years old; 1 previous return.

Williamson's Sapsuckers. 791-71209 and 791-71210. Both banded as AHY-M by Allen B. Crockett at Rocky Mountain National Park, CO on 17 June 1973. Renetted at same location on 1 June 1976. At least 4 years old; 2 previous returns apiece.

Recaptures—Passerines

Edited by Martha H. Balph

Hammond's Flycatcher. 1420-40631. Banded as AHY-U by Point Reyes Bird Observatory at Farallon Islands, CA on 11 May 1977. Band found in Great Horned Owl pellet 5 km southeast of Stinson Beach, CA on 29 May 1977.

Tree Swallow. 840-51601. Banded as AHY-F by Daniel DeJong at Marion, MT on 25 May 1974. Recaptured on nest at same location on 18 June 1977. At least 4 years old; no previous returns.

American Robin. 782-45368. Banded as AHY-U by Emerson A. Stoner at Benicia, CA on 15 February 1974. Killed by cat at Snohomish, WA on 2 July 1977.

Hermit Thrush. 1161-08776. Banded as HY-U by Douglas T. Cheeseman at Saratoga, CA on 18 October 1975. Found dead at Queen Charlotte, B.C. on 1 June 1976.

Yellow-rumped (Audubon's) Warbler. 1360-83483. Banded as HY-U by Donald E. Payne at Camp Sherman, OR on 29 August 1976. Found dead at Durango, Mexico on 15 February 1977.

House Finch. 840-61395. Banded as AHY-F by L. Richard Mewaldt at Hart Mountain National Antelope Refuge, OR on 2 July 1975. Found dead at Reno, NV on 28 June 1977.

Savannah Sparrows (*beldingi*). 840-28879 and 840-28881. Banded as AHY-F and AHY-M, respectively, by Barbara W. Massey at Seal Beach, CA on 26 March 1974. Same mated pair recorded on same breeding territory in 1975, 1976, and 1977.

Gray-headed Junco. 114-25392. Banded as AHY-U by Mrs. W.W. Brockner at Evergreen, CO on 5 May 1967. Renetted at same location on 11 February 1977. 10 plus years old; no previous returns.

Harris' Sparrow. 541-62241. Banded as AHY-M by Ralph B. Williams, 16 km north of Juneau, AK on 17 November 1972. Retrapped at same location on 19 December 1977. 6 plus years old; 3 previous returns.

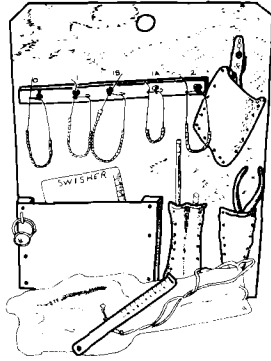
White-crowned Sparrow (*gambelii*). 1071-38042. Banded as AHY-U by Emerson A. Stoner at Benicia, CA on 10 April 1968. Retrapped at same location on 14 April 1976. 8 plus years old; 6 previous returns.

White-crowned Sparrow (*gambelii*). 1021-36973. Banded as AHY-U by Charles H. Feltes at Modesto, CA on 3 January 1969. Retrapped at same location on 10 October 1976. 8 plus years old; no previous returns.

White-crowned Sparrow (*pugetensis*). 1201-49077. Banded as AHY-U by L. Richard Mewaldt at San Jose, CA on 17 April 1977. Killed by cat at Port Townsend, WA on 11 May 1977.

Golden-crowned Sparrow. 61-113251. Banded as U-U by Marjorie M. Elmore at San Jose, CA on 7 December 1970. Retrapped at same location on 11 December 1977. 7 plus years old; 3 previous returns.

Snow Bunting. 1091-93079. Banded as U-M at Izembek NWR, Cold Bay AK on 27 December 1970. Retrapped at same location on 11 November 1977. 7 plus years old; 5 previous returns.



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.

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.

It is sensitive to birds the size of chickadees and a 5 gram weight will trip the door. The main features are the sensitive treadle, a door lock for feeding when not activated, and a large handle for a gloved hand in winter. The back is fastened on with clips for easier access in case the treadle gets worked over by a squirrel.

Hundreds of these traps have been sold to nature schools, universities, and individuals in the States and Canada over the past ten years.

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E.B.B.A. and W.B.B.A. present . . .

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Polyester Tethered-top Mist Nets			
1¼"		7.60* 8.30	10.30* 11.25
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