



Western

Regional

News

Western Bird Banding Association

Founded 1925

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<i>Auxiliary Markings</i>	Jon L. Atwood	<i>Annual Report</i>	Dr. Martha H. Balph

Applications for membership in the Western Bird Banding Association should be sent to the Treasurer. All classes of membership receive *North American Bird Bander*, the joint publication of Eastern Bird Banding Association and Western Bird Banding Association. Membership classifications are: Active Member, \$8.00 per year; Associate Member, \$8.00 per year; Sustaining Member, \$16.00 per year; Student Member, \$6.00 per year; Non-Subscribing Member, \$3.00 per year; Life Member, \$200.00. Outside the U.S., add \$2.00 to each membership except Life Member.

From the President

Sometimes a childhood hobby can grow into a lifelong preoccupation. When I first became interested in birds thirty years ago, I little realized that one day I'd be spending most of my time banding birds, studying their behavior, and interacting with people who feel, as I do, that if something is "for the birds" it must be worthwhile! I've especially enjoyed getting to know some of you through my involvement with WBBA over the last few years; and now, as your president, I hope for the opportunity to meet or correspond with many more of you. Together, I hope we can build upon a fine tradition to stimulate WBBA's further growth and progress and to promote cooperation with our sister banding organizations.

At this time it gives me pleasure to extend special thanks, personally and on behalf of WBBA, to our outgoing president, Otis Swisher, to our editor, Eleanor Radke, and to the other members of our board of directors and editorial staff who have served WBBA so generously this past year. I'd also like to welcome to the board our new directors-at-large, Ralph Moldenhauer and Michael Rigney.

Further thanks are offered to Barbara DeWolfe, Charlie Collins, and others who helped to make our annual meeting in Santa Barbara such an enjoyable and stimulating occasion. The only disappointment was a lower-than-usual attendance, a problem I've likewise noticed at some other meetings this year and which may warrant increased attention as we move further into an era of rising costs and dwindling gasoline supplies. Our tentative plan for next spring is to meet jointly with

the Cooper and Wilson Ornithological Societies at Corpus Christi, Texas, which I hope may help to reduce this financial burden for some of you ("three meetings for the price of one") while fostering a desirable interchange with banders from other regions.

I'd like also to express appreciation to all of the banders who responded to my request for information on their 1978 banding activities for the WBBA Annual Report, published in the last issue of NABB. I was pleased by the number of replies I received, which was greater than ever before. This coming year I hope to contact additional banders, particularly banders of resident species and some Canadian banders who may have been overlooked in the past, to try to make future annual reports reflect your accomplishments as fully as possible.

The rest of the board and I look to you for support and for ideas as to how WBBA can better serve your needs. Please let us hear from you if you have a comment, suggestion, or problem. And please continue to help your association by encouraging banders or institutions who are not already members to join, by returning your banding summaries promptly each year for the annual report, and (if you can spare the time) by volunteering for committee service. Finally, I urge each of you to share the knowledge gained from your banding activities with other banders through participation in the annual meetings and through contributions to NABB.

Martha Balph

In Memorium

Enid K. Austin, long-time membership chairman of W.B.B.A., and longest serving Founding Director of Point Reyes Bird Observatory, died 18 May 1979 at the age of 87. Following a memorial service on 21 May, her ashes were scattered from the air over the Point Reyes area she loved so well.

Mrs. Austin was born in a suburb of London, England and was raised in a theatrical family. In her younger years, she and her late husband were in the newspaper publishing business in Montana. For decades she was a San Francisco Bay area political activist and was an active campaign worker into the last week of her life.

She was an Honorary Member of the Cooper Ornithological Society, friend of generations of graduate students of the Museum of Vertebrate Zoology at Berkeley, CA, regular attendee at annual meetings of the American Ornithologists' Union, official Delegate of the Cooper O.S. to International Ornithological Congresses in Europe, and member of the Golden Gate Audubon Society.

Her indomitable spirit and sage advice will be missed.

W.B.B.A.'s 1979 Annual Meeting was held on 5-6 May in Santa Barbara, California. Our thanks to Barbara DeWolfe and Charles Collins for their work in arranging an outstanding meeting and to the Santa Barbara Museum of Natural History for the use of its facilities.

* * *

Papers session

Some comments on color-banding winter flocking finches

Martha H. Balph, Utah State University

Fat, latitude, and White-crowned Sparrows

J.R. King and L.R. Mewaldt, Washington State University and San Jose State University.

Recent results of the California Least Tern banding program

Jonathan Atwood, California State University, Long Beach.

Artificial Burrows for Burrowing Owls — Part II

Ross A. Landry and Charles T. Collins, California State University, Long Beach.

Factors affecting the incidence of distress calls in passerine birds

Michael Perrone, Jr., H.D.R. Ecosciences, Santa Barbara.

Observations at a mixed egret colony — A progress report

John P. Rieger, San Diego.

Differential growth rates of Cattle and Snowy Egrets

Mary F. Platter Rieger, San Diego.

Bird photography — problems, solutions, and results

Dana Echols, Long Beach.

Education of a sparrow trapper

Barbara B. DeWolf, University of California, Santa Barbara.

Stalking the wild Nutcracker: Trials and triumphs!

Diana F. Tomback, University of California, Riverside.

Evening program

The natural history of Santa Cruz Island

Jonathan L. Atwood.

W.B.B.A. Annual Meeting

Santa Barbara, California

Minutes of the business meeting

The 54th annual meeting of the Western Bird Banding Association was called to order at 1:30 p.m. 5 May 1979 at the Natural History Museum in Santa Barbara, California. A small but enthusiastic group attended.

The minutes of the 1978 meeting at Tempe, Arizona were approved as published in NABB, Vol. 3, No. 3.

President Swisher reviewed the treasurer's report, calling attention to a balance of \$1726.87. He also commented on the joint success of EBBA and WBBA in publishing the quarterly journal, now in its fourth year.

The non-subscribing membership category, which was approved at the 1978 meeting was explained again, along with the necessary addition to the by-laws.

The editor's report was read. She was praised and applauded for a difficult job well done.

Dr. Richard Mewaldt commented favorably on the short, informal articles published by eastern bird

banders in NABB and suggested that amateur banders in the West might also contribute similar articles on projects at their banding stations.

Dr. Charles Collins followed Mewaldt's remarks with a reminder that suggestions to authors may be found on the inside cover of the journal. Scientific articles as well as informal items are needed, he said.

The report of the nominating committee was unanimously accepted without further nominations from the floor. The officers for 1979-1980 are:

President—Dr. Martha Balph

1st Vice President—Dr. Charles Trost

2nd Vice President—Dr. Carl Marti

Treasurer—Shirley Spittler

Secretary—Fern Tainter

Directors-at-large—Dr. Ralph Moldenhauer

(2-year term) and Michael Rigney

(1-year term)

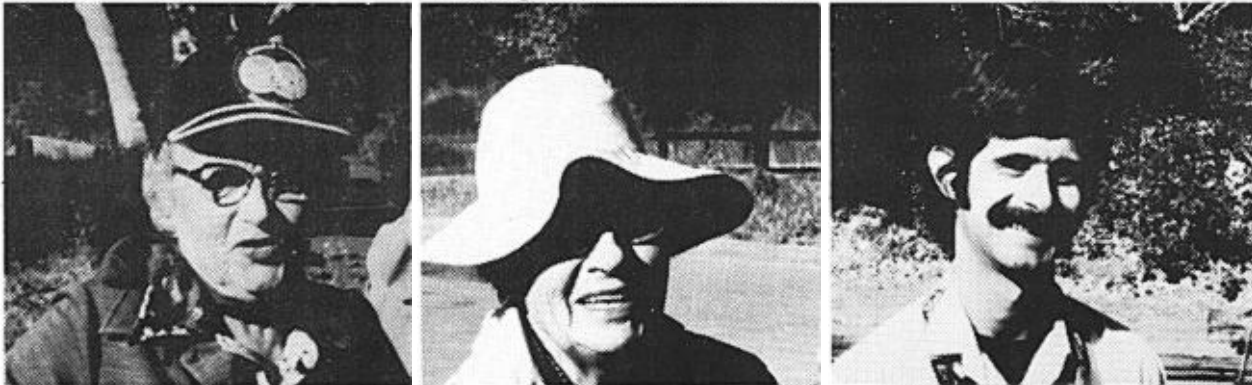
Dr. Howard Cogswell called for a vote of thanks for out-going president, Otis Swisher, and to all those who helped make the 1979 meeting a success.



L to R above: WBBA presidents, past and current—Dr. Charles T. Collins, Otis D. Swisher, Dr. Martha H. Balph



L to R below: Memb. Ch., Fern Tainter; meeting co-ch, Dr. Barbara DeWolfe & Michael Perrone, Jr.



Photos by L.R. Mewaldt

Dr. Martha Balph then took the chair and adjourned the meeting. She invited all those present to join the field trip to Tucker's Grove at 8 a.m. 6 May, when she hoped to add the Wrentit to her life list.

Fern R. Tainter, Secr.

Field trip

The Sunday morning field trip, led by Michael Perrone, Jr., was held at Tucker's Grove — along a beautiful tree-bordered stream. Wrentits and nesting Red-shouldered Hawks were among the more interesting birds to out-of-state attendees.

Who is . . . *Ralph R. Moldenhauer*

A native of East Detroit, Michigan, WBBA's new Director at Large, Dr. Ralph Moldenhauer developed an interest in wildlife as a young hunter and fisherman in southern Michigan. But these recreational activities soon faded and a more biologically oriented interest in his natural surroundings developed. After high school he worked a few years as a draftsman and then entered Michigan State University where he met his wife, Marlene (who already had a bird banding permit) and through the guidance and encouragement of Dr. George Wallace received a B.S. degree in zoology. The call of the West eventually prompted him to move to Oregon where he received his masters and doctorate degrees from Oregon State University. Since then he has been a faculty member in the Dept. of Life Sciences at Sam Houston State University in Huntsville, Texas, where he teaches various courses in vertebrate biology, including ornithology.

Ralph has conducted research in salt and water balance of sparrows and rails but more recently has turned his attention to bird song. His graduate

student, Kelly Bryan, has just completed a study on song variation in the Prothonotary Warbler. With the help of his Texas colleagues he hopes to establish a regional bird sound library in the state.

Bird banding is used by Ralph as a field investigation technique in his teaching. He and his sub-permittee, Jay Jochetz, concentrate their banding during the spring and fall migration at the Jochetz's nursery where they have netted as many as 1100 warblers of 26 species during one spring migration. He feels that this is pretty good banding for an inland location and provides an excellent learning experience for his students. He also bands Barn Swallows as part of a state-wide project of the Texas Bird Banders Association which he and Keith Arnold founded in 1977. Ralph and Keith serve as co-chairmen.

Photography, canoeing and hiking with his wife and two children, Alex and Vicki, occupy most of his "free" time, although residual desires to go fishing still exist from his youth.

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.

Partial list of current items available from Bleitz Wildlife Foundation:

Monofilament 40d/single ply nets in 1", 1¼", 1½"; 7' x 18', 7' x 30', 7' x 42', 7' x 60'—3 x 42, 10 x 42, 10 x 60
30d/2ply Nylon in 1", 1¼", 1½", 7' x 18', 7' x 30', 7' x 42', 7' x 60'—3 x 42, 10 x 42, 10 x 60 in Black, White, Sand, and Green
50/2ply Nylon in 1¼", 1½", 7' x 18', 7' x 30', 7' x 42', 7' x 60' Black, White, Sand, and Green
70/2ply Nylon in 1½", 7' x 18', 7' x 30', 7' x 42', 7' x 60' Black
50/2ply Terylene in 1", 1¼", 1½", 7' x 18', 7' x 30', 7' x 42', 7' x 60', 3 x 42, 10 x 42, 10 x 60, 20 x 100, 30 x 100, Black, White, Sand and Green
The 20' is 12-shelf; the 30' is 18-shelf.
75/2ply Terylene in 1½", 2½", 7' x 18', 7' x 30', 7' x 42', 7' x 60'
110/2ply Nylon in 2½", 7' x 18', 7' x 30', 7' x 42', 7' x 60', Black, White, Sand, and Green
210/2ply Nylon in 4", 7' x 18', 7' x 30', 7' x 42', 7' x 60', Black, White, Sand, and Green
210/4ply Nylon in 4", 10' x 42', and 10' x 60', Black
All of the above nets are tethered.

Pesola Scales: 5 gm, 10 gm, 30 gm, 50 gm, 100 gm (3 styles), 300 gm (2 styles), 500 gm, 1000 gm, 2000 gm, 2.5 kg, 5 kg, 12 kg, 30 kg, 50 kg.

Portable, stackable anodized duraluminum Net Poles in ⅝" diameter, 36" sections, 40" sections, 48" sections; 1" diameter in 48" sections.

Price List available on request.

Example: 70/2 Nylon, 4-shelf, Black only (our lowest priced nets)
#1 — 7 x 18 x 1½ \$4.50. Loops tied on themselves in square.
#2 — 7 x 30 x 1½ \$6.25. Knots, tethered at 18" intervals.
#3 — 7 x 42 x 1½ \$8.75. Top loops white, balance black.
#4 — 7 x 60 x 1½ \$12.50. Webbing 25% longer than frame. 120 meshes high.

We prefer to ship UPS, so please include STREET address. Surface U.S. delivery is included. Air or Export shipment costs added.

Bleitz Wildlife Foundation • 5334 Hollywood Boulevard
Hollywood, CA 90027

Highlights of a back-yard banding station

Fern R. Tainter

Since January 1971, I have operated a backyard banding station at my home about five miles southeast of San Luis Obispo, California (coordinates 351-1203). The property consists of two and a half acres of land which gently slopes from a country road at the south to a shallow "wash" on the north where water flows during the rainy season. Shrubs, trees, and lawn surround the house. Behind the lawn is a vegetable garden bordered with blackberries. Next is an orchard that supplies us (and the birds) with a dozen different kinds of fruit. The rear acre has been left in its original form: a weedy hay field. The neighboring property is devoted to pasture for cattle. The result is a variety of habitats that attract a surprisingly large number of birds.

In 1971 I banded during only ten mornings, mostly in the fall, and used no more than two mist nets. Nevertheless, my records show a total of 99 individuals representing 19 species. These included Savannah Sparrow (*Passerculus sandwichensis*) and Lincoln Sparrow (*Melospiza lincolni*) which flew up from the hay field, and one Yellow-bellied Sapsucker, red race (*Sphyrapicus varius*)!

By 1972 a few wild tobacco plants had grown tall enough to attract migrating birds. That fall I banded six kinds of warblers: Orange-crowned (*Vermivora celata*), Yellow (*Dendroica petechia*), Yellow-rumped (*Dendroica coronata*) — both Audubon's and Myrtle — Wilson's (*Wilsonia pusilla*), and an astonishing Palm Warbler (*Dendroica palmarum* — western race) which was foraging in a stand of asparagus that had gone to seed. Another surprise was a Sage Thrasher (*Oreoscoptes montanus*) banded on 5 September. Both are considered uncommon in Western San Luis Obispo County. That year I banded 363 birds, 27 species.

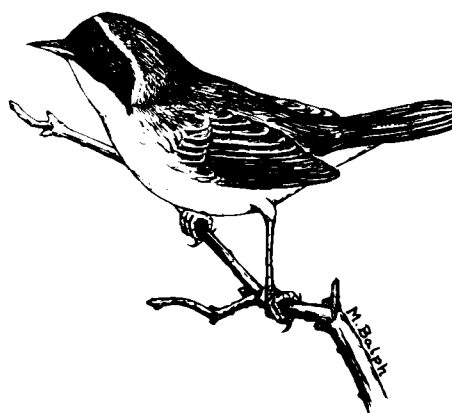
I caught another Palm Warbler in 1973 and added a female Common Yellowthroat (*Geothlypis trichas*) to the list. Several pairs of orioles as well as a variety of smaller birds spent the summer near the tobacco plants. The following year a Nashville Warbler (*Vermivora ruficapilla*) was banded on 2 September. A third Palm Warbler on 18 October made me think I must be living on a Palm Warbler flyway! My most unusual catch in 1974 was a

White-throated Sparrow (*Zonotrichia albicollis*), ringed on 8 December. My score for the year reflected the growth in our trees and shrubs: 473 individuals and 38 species.

1975 began auspiciously with a Rose-breasted Grosbeak (*Pheucticus ludovicianus*) banded on 29 January. 1976 was a banner year with another Sage Thrasher on 16 February and a Scarlet Tanager (*Piranga olivacea*) on 27 November. The latter remained on our property through 13 December.

A Townsend's (*Dendroica townsendi*) and a Blackpoll Warbler (*Dendroica striata*) in 1977 augmented my ever-growing list of the warbler family. Recently I added still another warbler, a handsome Hermit (*Dendroica occidentalis*) banded on 9 May 1978. Several Yellow-breasted Chats (*Icteria virens*) brought my total to 12 out of a possible 21 warblers listed for Western San Luis Obispo County.

In addition to the vegetation on our property, a shallow pool of fresh water fed by a constant drip from a standpipe brings many birds to the yard. Every bander should have one! I give it much of the credit for the 61 species banded to date on two and a half acres that were once nothing but a hay field. ♣



Correction—Annual Report

In the 1977 Annual Report, a Yellow-breasted Chat was mistakenly indicated from Alaska. Please delete this record on page 82 of Vol. 3, No. 2.

Recaptures: Non-passerine

White Pelicans. 509-96528 and 509-96636. Banded as L-U by Ronald A. Ryder at Riverside Reservoir, Master, CO on 21 June 1968. Found dead at same location on 29 July and 21 September 1977, respectively. Both 9 years old; no previous returns.

White Pelicans. 519-53773 and 519-77040. Banded as L-U at Kenora, Ont. on 23 July 1974 and 23 June 1977, respectively. Found dead by Utah Division of Wildlife Resources at Utah Lake, UT on 16 June and 10 September 1978, respectively.

Snowy Egret. 706-64767. Banded as L-U by Ronald A. Ryder near Center, CO on 26 June 1976. Shot at Desonocido, Nayarit, Mexico on 8 March 1978.

Black-crowned Night Heron. 942-50883. Banded as L-U by Gary G.W. Robinson at Center, CO on 2 July 1970. Recovered at Trikes Lake, CO on 15 June 1978. 8 years old.

Black-crowned Night Heron. 98-709569. Banded as L-U by Charles H. Trost at Island Park Reservoir, ID on 18 June 1977. Recovered at Rio Cazonos, Vera Cruz, Mexico on 15 March 1978.

Canada Goose. 568-21597. Banded as HY-M by Utah Division of Wildlife Resources at Farmington Bay Waterfowl Management Area, UT on 30 June 1964. Recaptured at Bear River N.W.R., UT on 16 June 1978. 14 years old.

Canada Goose. 638-49232. Banded as AHY-M by Steven E. Den at Watson Lake, Bellvue, CO on 5 July 1967. Found dead at same location on 28 January 1978. At least 11-1/2 years old; no previous returns.

(Black) Brant. 647-63708 and 897-19389. Banded as ASY-M and ASY-F by Christian P. Dau at Lower Kashunuk River, AK on 11 July 1963 and 3 August 1976, respectively. Both recaptured during flightless drive <8 km from banding site on 28 July 1978. At least 17 and 4 years old, respectively; mated pair with brood of 4 young (1978). 1 previous return by -708.

Mallard. 837-85968. Banded as AHY-M by Robert L. Pearson at Benton Lake N.W.R., Black Eagle, MT on 30 July 1968. Shot at Warden, WA on 7 January 1978. At least 10-1/2 years old.

Pintail. 786-15188. Banded as AHY-F by Robert L. Pearson at Benton Lake N.W.R., Black Eagle, MT on 25 August 1969. Shot at Pecos River, Dexter, NM on 16 January 1978. At least 9-1/2 years old.

Canvasback. 717-33593. Banded as AHY-F by Oakland Parks and Recreation Dept. at Oakland, CA on 9 December 1964. Shot at same location on 8 January 1978. At least 14-1/2 years old.

Lesser Scaup. 746-72934. Banded as U-M by Oakland Parks and Recreation Dept. at Oakland, CA on 9 December 1968. Retrapped at Lake Merritt, CA on 18 January 1978. At least 9-1/2 years old.

Red-tailed Hawk. 877-31914. Banded as L-U by Peter H. Bloom and Richard Jackson, 16 km north of Bridgeport, CA on 21 May 1976. Found dead 61 km south of Guamuchil, Sinaloa, Mexico on 24 February 1978.

Red-tailed Hawk. 877-44003. Banded as L-U by Michael N. Kochert at Birds of Prey Study Area, near Grand View, ID on 27 May 1977. Found dead at El Fuerte, Sinaloa, Mexico on 19 February 1978.

Red-tailed Hawk. 877-37845. Banded as L-U by Michael N. Kochert at Birds of Prey Natural Area, ID on 4 June 1977. Shot at San Rafael Las Flores, Chiquimulilla, Santa Rosa, Guatemala on 29 January 1978.

Red-shouldered Hawk. 816-12795. Banded as L-U by Peter H. Bloom and Richard Jackson at Camp Pendleton, near San Onofre, CA on 12 May 1974. Retrapped 8 km north of San Onofre on 28 October 1978. 4-1/2 years old.

Harris' Hawk. 877-38458. Banded as L-U by Eleanor L. Radke near Carefree, AZ on 19 April 1975. Found dead (shot) within same 10 minute block on 15 November 1978. 3-1/2 years old.

Bald Eagle. 629-03274. Banded as SY-M by Alan R. Harmata, 4 km southwest of LaJara, CO on 5 March 1977. Resighted at Glacier National Park, MT, November and December 1977 and 17 October through 4 December 1978 by David S. Shea.

Prairie Falcon. 877-12086. Banded as SY-F by Lee B. Camp at Smithfield, UT on 3 March 1973. Renetted at Benson, UT (<10 km from banding site) on 29 December 1977. 5-1/2 years old.

Blue Grouse. 2836 (Province of B.C. band). Banded as ASY-M by R.A. Lewis at Courtenay, B.C. on 13 May 1969. Shot at same location on 11 April 1978. At least 11 years old.

Snowy Plover. 112-152961. Banded as HY-U by Roger L. Boyd at Cheyenne Bottoms Waterfowl Management Area, Great Bend, KS on 28 July 1971. Retrapped on nest at same location on 29 June 1978. Male, 7 years old; 1 previous return.

Long-billed Curlew. 644-81641. Banded as L-U by John Kurtz at Boardman, OR on 21 May 1977. Recaptured "due to disease outbreak" at Lost Hills, CA on 24 September 1978.

Dunlin. 1231-00592. Banded as AHY-M by Canadian Wildlife Service at Boundary Bay, Ladner, B.C. on 26 April 1978. Collected as scientific specimen at Hartney Bay, AK on 8 May 1978. First shorebird banded in B.C. ever to be recovered farther north.

Semipalmated Sandpiper. 820-56814. Banded as AHY-U by Wayne C. Hanson at Prudhoe Bay, AK on 24 June 1972. Retrapped at same location on 16 June 1978. At least 7 years old; 3 previous returns.

Black-necked (Hawaiian) Stilt. 1293-28202 (rebanded 544-38015). Banded as AHY-F by Hawaii Division of Fish and Game at Hanalei, Kauai, HI on 19 December 1977. Renetted at Pearl City, Oahu, HI on 22 March 1978. First documented movement between islands of Kauai and Oahu.

Northern Phalarope. 1181-69875. Banded as AHY-U by David W. Winkler at Mono Lake, CA on 1 September 1977. Renetted 45 m from banding site on 23 July 1978. D.W.W. writes: "This bird must have flown to the coast of South America, then to arctic North America and then back to Mono Lake between [captures]."

Franklin's Gull. 594-58721. Banded as L-U by Louis M. Moos, 14 km southeast of Freezeout Lake, MT on 27 June 1970. Recovered at Kingsville, TX on 30 March 1978. 8 years old.

Least Tern. 81-38700. Banded as AHY-M by Roger L. Boyd at Cheyenne Bottoms Waterfowl Management Area, Great Bend, KS on 16 August 1972. Retrapped on nest at same location on 16 June 1978. At least 7 years old; no previous returns.

Caspian Tern. 755-94708. Banded as L-U by L. Richard Mewaldt at South San Francisco Bay, CA on 2 July 1971. Recovered at Grays Harbor, Hoquiam, WA on 7 June 1977. 6 years old. (L.R.M. notes that this species has undergone a range expansion northward from southern California during the 20th century.)

Caspian Terns. 715-47818, 715-47827, and 715-47891. Banded as L-U by Fred Hosea at Grays Harbor, WA on 4 June 1977. All recovered in Mexico in 1978, as follows: -818 captured and released alive by trolling fishermen at Obregon, Sonora on 20 February; -827 found dead at Santiago River, Nayarit on 14 March; -891 shot at Centa Playa, Sinaloa on 23 March.

Mourning Dove. 783-06162. Banded as TY-M by Charles H. Feltes at Modesto, CA on 24 April 1971. Retrapped at same location on 1 June 1978. 9 years old; 2 previous returns.

Barn Owl. 727-54491. Banded as HY-U by Marianne Shepard at Santa Rosa, CA on 6 May 1968. Found dead at Ukiah, CA on 6 March 1978. 10 years old.

Barn Owl. 987-12784. Banded as AHY-F by Brian Millsap near Fort Collins, CO on 14 July 1977. Found diseased (later died) 13 km south of Goldthwaite, TX on 7 October 1978.

Great Horned Owl. 608-26251. Banded as L-U by Joseph A. Vincenty III, 14 km east of Sacramento, CA on 27 April 1976. Found dead at Carmichael, CA (4 km from banding site) on 29 July 1978, "hanging from a branch that had slipped between the band and the owl's leg."

Anna's Hummingbird. X15145. Banded as HY-U by Point Reyes Bird Observatory, 5 km northwest of Bolinas, CA on 25 August 1975. Renetted at same location on 27 May 1978. Female, 3 years old; 1 previous return.

Broad-billed Hummingbird. X18330. Banded as AHY-F by William H. Baltosser at Guadalupe Canyon, Hidalgo Co., NM on 22 May 1976. Renetted at same location on 6 May 1978. At least 3 years old; no previous returns.

Common (Red-shafted) Flicker. 1013-22287. Banded as AHY-F by P.R.B.O., 5 km northwest of Bolinas, CA on 30 August 1971. Renetted at same location on 9 January 1978. At least 7-1/2 years old.



Recaptures: Passerine

Olive-sided Flycatcher. 78-30740. Banded as AHY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 8 June 1975. Renetted at same location on 27 July 1978. Male, at least 4 years old; several previous returns.

Horned Lark. 820-73321. Banded as AHY-M by Roger L. Boyd at Pawnee National Grasslands, CO on 20 June 1972. Resighted at same location (same territory) on 14 July 1978. At least 7 years old; 4 previous returns.

Tree Swallow. 860-66417. Banded as SY-F by Robert R. Cohen near Central City, CO in summer of 1975. Recaptured at same location, with lower jaw broken, while breeding in summers of 1976, 1977, and 1978. R.R.C. writes: "For over 2 years [this bird] has survived in the wild with a broken lower jaw. The jaw is broken on the left side very close to the front point and there is a gap between the point and the rest of the jaw of approximately 2.5 mm."

Scrub Jay. 692-36965. Banded as HY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 5 August 1968. Resighted at same location on 9 February 1978. 10 years old.

Mexican Jays. 1153-21039. (rebanded 1263-24906), 1153-21053 (rebanded 1263-24975), and 1153-21064. Banded as ATY-M by Jerram L. Brown at Southwestern Research Station, Portal, AZ on 4 December 1969, 29 January 1970, and 12 February 1970, respectively. All resighted at same location in spring of 1978. At least 12 years old. (J.L.B. notes that birds 10 years of age or older constituted 4% of this population in 1976-78.)

Bushtits. 121-41599 and 124-10867. Banded as HY-M by P.R.B.O., 5 km northwest of Bolinas, CA on 9 June 1970 and 23 May 1971, respectively. Renetted at same location on 7 January and 25 April 1978, respectively. At least 7-1/2 and 7 years old.

American Robin. 692-36327. Banded as AHY-M by P.R.B.O. on 3 May 1970. Renetted at same location on 4 May 1978. At least 9 years old; several previous returns.

American Robin. 822-94510. Banded as L-U by Daniel De Jong at Marion, MT on 28 June 1977. Found dead at Ash Slough, Chowchilla, CA on 10 December 1977.

Swainson's Thrush. 108-107279. Banded as HY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 18 July 1971. Renetted at same location on 13 July 1978. Female, 7 years old; several previous returns.

Starling. 732-71690. Banded as SY-M by W.C. Royall, Jr. at Lakewood, CO on 2 February 1970. Killed by cat at same location on 13 June 1978. 9 years old; no previous returns.

Warbling Vireo. 110-70415. Banded as AHY-M by P.R.B.O., 5 km northwest of Bolinas, CA on 16 June 1966. Renetted at same location on 16 July 1978. At least **13 years old**; several previous returns.

Amakihi. 821-88704 and 821-88739. Banded as AHY-F and AHY-M by Charles van Riper III at Mauna Kea, Puu Laau, HI on 18 March and 30 March 1974, respectively. Both renetted at same location on 21 June 1978. At least 5 years old.

Orange-crowned Warbler. 114-31489. Banded as HY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 28 May 1972. Renetted at same location on 26 August 1978. Male, 6 years old; several previous returns.

Wilson's Warbler. 1300-61313. Banded as AHY-M by P.R.B.O., 5 km northwest of Bolinas, CA on 16 April 1974. Renetted at same location on 18 June 1978. At least 5 years old; no previous returns.

Painted Redstart. 27-29141. Banded as AHY-M by Sally H. Spofford at Portal, AZ on 30 January 1975. Resighted at same location on 9 September 1978. At least 4 years old; 3 previous returns.

House Sparrow. 107-194752. Banded as AHY-F by L. Richard Mewaldt at San Jose, CA on 26 January 1971. Retrapped at same location on 12 November 1978. At least 8-1/2 years old.

Tricolored Blackbird. 712-25773. Banded as L-U by W.C. Royall, Jr. in Sutter Co., CA on 29 May 1968. Shot at Live Oak, CA on 1 September 1978. 9 years old.

Purple Finch. 77-07423. Banded as HY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 17 November 1971. Renetted at same location on 27 May 1978. Male, 7 years old.

House Finches. 72-73693 and 72-73704. Banded as AHY-M and AHY-F by Charles H. Feltes at Modesto, CA on 18 April and 23 April 1972, respectively. Retrapped at same location on 30 April and 9 May 1978, respectively. At least 7 years old.

Pine Siskin. 1150-97683. Banded as AHY-U by Mrs. A.M. Bacon near Athol Springs, NY on 9 May 1974. Renetted by Sylvia Brockner at Herzman Mesa, CO on 15 April 1978. At least 5 years old.

Pine Siskin. 1430-54276. Banded as AHY-U near Turner, KS on 26 April 1976. Retrapped by Charles H. Feltes at Modesto, CA on 25 December 1977.

American Goldfinch. 122-90319. Banded as AHY-M by Charles H. Feltes at Modesto, CA on 23 January 1972. Retrapped at same location on 27 January 1978. At least 6-1/2 years old; 2 previous returns.

Green-tailed Towhee. 741-51723. Banded as U-U by Eleanor L. Radke at Cave Creek, AZ on 16 September 1972. Retrapped at same location on 13 September 1978. At least 6 years old; 2 previous returns.

Rufous-sided (Spotted) Towhees. 73-131493 and 692-80341. Banded as HY-U and HY-M by P.R.B.O., 5 km northwest of Bolinas, CA on 24 August and 10 November 1971, respectively. Renetted at same location on 27 April and 15 March 1978, respectively. 7 years old (-493 a female); 2 and 4 previous returns.

Brown Towhee. 53-137452 (rebanded 70-122671). Banded as AHY-M by Howard L. Cogswell at Hayward CA on 11 April 1969. Retrapped at same location on 18 December 1977. At least 9-1/2 years old.

Dark-eyed (Oregon) Junco. 120-98616. Banded as AHY-U by Otis D. Swisher at Medford, OR on 3 November 1969. Renetted at same location on 4 March 1978. At least 10 years old; 5 previous returns.

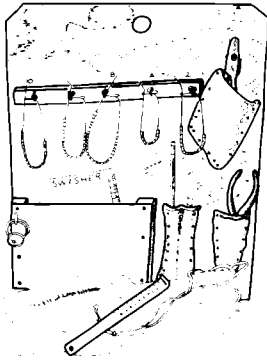
Dark-eyed (Oregon) Junco. 72-73204. Banded as HY-U by Charles H. Feltes at Modesto, CA on 25 October 1970. Retrapped at same location on 3 December 1978. 8-1/2 years old; 2 previous returns.

Yellow-eyed (Mexican) Junco. 830-51626. Banded as AHY-U by Allen B. Crockett at Portal, NM on 23 March 1973. Renetted at same location on 10 January 1979. At least 6-1/2 years old.

(Gambel's) White-crowned Sparrow. 1191-16043. Banded as SY-U by C.A. Hundertmark at Albuquerque, NM on 10 January 1978. Killed by cat at Leduc, Alta. on 12 May 1978.

Golden-crowned Sparrow. 631-34793. Banded as AHY-U by Ruth Troetschler at Los Altos, CA on 21 March 1971. Retrapped at same location on 20 February 1978. Female, at least 7-1/2 years old; 2 previous returns.

Song Sparrow. 75-91318. Banded as HY-U by P.R.B.O., 5 km northwest of Bolinas, CA on 24 August 1971. Renetted at same location on 17 May 1978. Female, 7 years old; 2 previous returns.



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

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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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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Mesh	Length								
	5 Meters			9 Meters			12 Meters		
	Sust	Act	Non Mem	Sust	Act	Non Mem	Sust	Act	Non Mem
Regulation Nylon Nets									
1¼	5.80	6.05	6.55				10.50	11.30	12.25
1½	4.15	4.30	4.65				7.45	7.80	8.50
2½							8.50	8.85	9.65
Nylon Tethered-Top Nets									
1¼				8.85	9.25	10.10	11.75	12.30	13.40
1½				6.85	7.15	7.75	8.50	8.90	9.70
1¼x2.6 cm							11.75	12.30	13.40
Polyester Tethered-Top Nets									
1¼				11.25	11.80	12.80	15.30	16.00	17.40
1½				9.10	9.50	10.30	12.60	13.15	14.30

Sust—Sustaining member

Act—Active member

Non Mem—Not a member of EBBA