

COOPERATOR PARTICIPATION FOR THE 1950 BIRD BANDING YEAR

BY SETH H. LOW

The following tabulation indicates the total number of birds banded by each cooperator or unit during the last banding year (May 1, 1949 through April 30, 1950) for which the banding schedules were received in the Banding Office on or before June 30, 1950. Bandings on schedules which did not come in on time are not included in the tabulation but are lumped in the summary.

The address of each bander has been shown as fully as space will permit but it should not be assumed that the birds were necessarily banded at that address or even in that state or province.

State Game Departments:

Alabama Department of Conservation, c/o James E. Keeler, Division of Game Fish and Seafoods, Montgomery 4, Ala.	3,576
Alaska Fish and Wildlife Service, Regional Office, c/o Urban C. Nelson, P. O. Box 2021, Juneau, Alaska	2,461
Arizona Game and Fish Commission, c/o Louie L. Lawson, 1602 W. Jefferson, Phoenix, Ariz.	2,878
Arkansas Game and Fish Commission, c/o David M. Donaldson, 727 Vine Street, Paragould, Ark.	1,678
California Division of Fish and Game, c/o John E. Chattin, Ferry Building, San Francisco 11, Calif.	11,779*
Colorado Game and Fish Commission, c/o Harry J. Figge, Game Farm and Research Laboratory, Colorado Springs, Colo.	850
Connecticut Fish and Game Commission, c/o James S. Bishop, State Office Building, Hartford, Conn.	1,517
Florida Game and Fish Commission, c/o Frank Winston, Route 1, Box 1022, Lakeland, Fla.	1,791
Georgia Game and Fish Commission, c/o Daniel J. Nelson, 412 State Capitol, Atlanta, Ga.	1,094
Hawaii Board of Agriculture and Forestry, c/o J. Donald Smith, Honolulu 1, T. H.	137
Idaho Department of Fish and Game, c/o Robert L. Salter, Boise, Idaho	3,789*
Illinois Natural History Survey, c/o Thomas G. Scott, Urbana, Ill.	6,305
Indiana Department of Conservation, c/o William B. Barnes, Room 10, State House Annex, Indianapolis 9, Ind.	1,507
Kentucky Division of Game and Fish, c/o Dan M. Russell, Box 83, Buffalo, Ky.	412
Louisiana Department of Wild Life and Fisheries, c/o Lyle S. St. Amant, University Station, Baton Rouge, La.	1,253
Maine Department of Fish and Game, c/o Stephen E. Powell, State House, Augusta, Me.	652
Maryland Game and Fish Commission, c/o Edwin M. Barry, 510-514 Munsey Building, Baltimore, Md.	1,888
Michigan Department of Conservation, c/o Walter F. Van Dien, Lansing 13, Mich.	9,416
Minnesota Department of Conservation, c/o Arnold B. Erickson, 1005-06 Commerce Building, St. Paul 1, Minn.	166
Mississippi Game and Fish Commission, c/o St. Clair Thompson, Jackson, Miss.	876

**Cf.*, footnotes under National Wildlife Refuges.

Missouri Conservation Commission, c/o Charles E. Shanks, Wildlife Conservation Building, Columbia, Mo.	1,764*
Montana Fish and Game Department, c/o Wynn G. Freeman, Wildlife Restoration Division, Helena, Mont.	4,641*
Nebraska Game Commission, c/o Harvey Miller, 711 West B Street, Ogallala, Neb.	1,486
Nevada Fish and Game Commission, c/o Fred E. Wright, Fallon, Nev.	1,094
New Hampshire Fish and Game Department, c/o Leland F. Knowlton, Concord, N. H.	138
New Jersey Department of Conservation, c/o L. G. McNamara, Division of Fish and Game, Trenton 7, N. J.	276
New York Conservation Department, c/o Robert W. Darrow, Supervisor of Game Research, Albany 7, N. Y.	7,268
North Carolina Wildlife Resources Commission, c/o William L. Hamnett, Raleigh, N. C.	536
Ohio Division of Conservation, c/o Floyd B. Chapman, 1500 Dublin Rd., Columbus, Ohio	259
Oregon State Game Commission, c/o A. V. Myers, P. O. Box 4136, Portland 8, Ore.	2,375
Pennsylvania Game Commission, c/o Ray Sickles, R. D. No. 1, Linesville, Penna.	1,116
South Carolina Department of Game and Fish, c/o James W. Webb, Columbia, S. C.	798
Tennessee Game and Fish Commission, c/o Albert J. Marsh, Department of Conservation, Nashville, Tenn.	1,583
Texas Game, Fish and Oyster Commission, c/o Gus A. Engeling, Texas Coastal Waterfowl Survey, Rockport, Texas	378
Utah Fish and Game Commission, c/o Noland F. Nelson, Ogden Bay Refuge, Hooper, Utah	1,705
Vermont Fish and Game Service, c/o William R. Miller, Sandbar Waterfowl Development Area, Milton, Vt.	746
Washington Department of Game, c/o J. Burton Lauckhart, 509 Fairview Avenue N., Seattle 9, Wash.	6,655
Wisconsin Conservation Department, c/o N. R. Barger, Cooperative Game Management, Madison 2, Wis.	3,386
	Sub-total 90,229

National Wildlife Refuges:

Back Bay National Wildlife Refuge, Pungo, Va.	615
Bear River Migratory Bird Refuge, Brigham, Utah	1,009
Bosque del Apache National Wildlife Refuge, San Antonio, N. M.	392
Bowdoin National Wildlife Refuge, Box 1125, Malta, Mont.	440
Camas National Wildlife Refuge, Hamer, Idaho	1,622**
Chase Lake National Wildlife Refuge, Kensal, N. D.	838
Crab Orchard National Wildlife Refuge, Carterville, Ill.	335
Deer Flat National Wildlife Refuge, P. O. Box 942, Nampa, Idaho	311
Des Lacs National Wildlife Refuge, Kenmare, N. D.	588
Fort Peck Game Range, P. O. Box 1246, Fort Peck, Mont.	2,929***
Kentucky Woodlands National Wildlife Refuge, Golden Pond, Ky.	103
Lake Malheur National Wildlife Refuge, Burns, Ore.	158
Lower Souris National Wildlife Refuge, Upham, N. D.	2,000

**Cf.*, footnotes under National Wildlife Refuges

**Cooperative project with Idaho Fish and Game Department

***Cooperative project with Montana Fish and Game Department

Montezuma National Wildlife Refuge, Seneca Falls, N. Y.	254
Mud Lake Migratory Waterfowl Refuge, Holt, Minn.	670
Pea Island National Wildlife Refuge, Manteo, N. C.	216
Sacramento National Wildlife Refuge, Willows, Calif.	387
St. Marks National Wildlife Refuge, Box 67, St. Marks, Fla.	105
Salt Plains National Wildlife Refuge, Jet, Okla.	1,410
Salton Sea National Wildlife Refuge, Brawley, Calif.	797
Seney National Wildlife Refuge, Germfask, Mich.	797
Sheldon National Antelope Refuge, Cedarville, Calif.	569
Squaw Creek National Wildlife Refuge, Mound City, Mo.	453
Swan Lake National Wildlife Refuge, Sumner, Mo.	2,538****
Tishomingo National Wildlife Refuge, Tishomingo, Okla.	325
Tule Lake National Wildlife Refuge, Rt. 1, Tule Lake, Calif.	5,537*****
Valentine Lakes National Wildlife Refuge, Valentine, Neb.	182
Wheeler National Wildlife Refuge, Decatur, Ala.	707
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Sub-total	26,287

Special Units:

Austin Ornithological Station, c/o Dr. O. L. Austin, North Eastham, Mass.	22,742
Colorado Unit, c/o Dr. L. E. Yeager, A & M College, Ft. Collins, Colo.	1,179
Compania Administradora del Guano, c/o Enrique Avila, Huacho, Peru	5,485
Cornell University, c/o Dr. Arthur A. Allen, Ithaca, N. Y.	1,377
Delta Waterfowl Station, c/o Lyle K. Sowles, Delta, Manitoba	837
Denver Research Laboratory, c/o Johnson A. Neff, FWS, Denver, Colo.	2,133
Ducks Unlimited, Canada, c/o B. W. Cartwright, Winnipeg, Manitoba	2,935
Flyway Biologists, U. S. & Canadian Wildlife Services, c/o C. S. Williams	13,020
Hawaii Audubon Society, c/o Miss Grenville Hatch, Honolulu, T. H.	916
Kellogg Bird Sanctuary, c/o Dr. A. E. Staebler, Augusta, Mich.	542
Lake Merritt Sanctuary, c/o George C. Ehmann, Oakland 12, Calif.	348
Maine Wildlife Unit, c/o Dr. H. L. Mendall, U. of Maine, Orono, Me.	703
Missouri Wildlife Unit, c/o Dr. W. Elder, U. of Mo., Columbia, Mo.	206
Northeast Wildlife Station, c/o B. S. Wright, U. of N. B., Fredericton, N. B.	1,529
Patuxent Research Refuge, c/o Bird-Banding Office, FWS, Laurel, Md.	1,352
Texas Unit, c/o Dr. L. W. Wing, A & M College, College Station, Texas	1,092
University of British Columbia, c/o Dr. I. McT. Cowan, Vancouver, B. C.	2,378
Virginia Wildlife Unit, c/o Dr. H. S. Mosby, U. of Va., Blacksburg, Va.	155
Wisconsin University, c/o Dr. John T. Emlen, Madison, Wis.	1,642
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Sub-total	60,571

Cooperators Banding Over 1,000:

Mr. Ben B. Coffey, 672 N. Belvedere St., Memphis, Tenn.	7,798
Mr. Irvin Sturgis, 1703 Everett St., Lafayette, Ind.	5,158
Mr. S. H. Weakley, 1317 Lexington Ave., Ft. Smith, Ark.	2,609
Dr. William H. Behle, University of Utah, Salt Lake City, Utah	2,505
Mr. B. S. Bowdish, Demarest, N. J.	2,256
Mrs. Louise J. Carsley, 2708 Elizabeth Ave., Zion, Ill.	2,234

****Cooperative project with Missouri Conservation Department

*****Cooperative project with California Division of Fish and Game

Mr. Howard H. Krug, Chesley, Ontario	2,148
Mr. G. Hapgood Parks, 99 Warrenton Ave., Hartford 5, Conn.	2,145
Rev. Br. Justin-Marie, F.S.G., Ste. Genevieve de Pierrefonds, Que.	1,775
Mr. R. J. Middleton, 131 N. Whitehall Rd., Norristown, Penna.	1,772
Dr. H. E. McClure, Box 292, Sta. A., Bakersfield, Calif.	1,770
Mr. Karl E. Bartel, 2528 W. Collins St., Blue Island, Ill.	1,715
Mr. Alfred D. Trempe, Neebish, Mich.	1,715
Mr. Harold C. Wilson, Ephraim, Wis.	1,715
Mr. M. M. Turner, 1847 E. 77th St., Kansas City 5, Mo.	1,687
Mr. H. E. McArthur, 723 N. County St., Waukegan, Ill.	1,675
Prof. O. Hawksley, Central Mo. State College, Warrensburg, Mo.	1,618
Mrs. Hannah R. Gray, Wilton, N. D.	1,616
Mrs. Robert R. Schultz, 1107 N. 47th St., Seattle 3, Wash.	1,584
Mr. Alfred H. Reuss, 2908 Edison St., Blue Island, Ill.	1,572
Mr. Horace Groskin, 210 Glenn Rd., Ardmore, Penna.	1,537
Mr. Charles J. Spiker, Branchport, N. Y.	1,527
Mr. James B. Cope, Route 1, Centerville, Ind.	1,474
Mrs. F. C. Laskey, Graybar Lane, Nashville 4, Tenn.	1,468
Mr. Jesse V. Miller, 1533 Lowell Ave., New Hyde Park, N. Y.	1,447
Mrs. John Y. Dater, 259 Grove St., Ramsey, N. J.	1,445
Mr. Fred Bard, Preparator Provincial Museum, Regina, Sask.	1,390
Mr. Oscar M. Root, Brooks School, N. Andover, Mass.	1,346
Mr. Leroy Wilcox, Speonk, Long Island, N. Y.	1,257
Mr. Geoffrey Gill, 24 Overlook Drive, Huntington, L. I., N. Y.	1,242
Mr. John H. Mayer, 122-67 134th St., South Ozone Park, L. I., N. Y.	1,201
Mr. Harry S. Bristow, Pine Ave., The Cedars, Marshallton, Del.	1,124
Dr. G. M. Stirrett, Queens University, Kingston, Ontario	1,098
Mr. William E. Schantz, 1532 Aberdeen Ave., Columbus, Ohio	1,008
Dr. Edmund Jurica, Lisle, Ill.	1,002
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350000	Sub-total 66,633

Cooperators Banding 500 to 1,000:

Mr. C. C. Ludwig, 279 Durand St., E. Lansing, Mich.	983
Mr. William P. Wharton, Broad Meadow Rd., Groton, Mass.	978
Mr. W. O. Astle, 45-64 158th St., Flushing, New York City, N. Y.	976
Mr. E. A. Bergstrom, 37 Old Brook Rd., W. Hartford 7, Conn.	974
Mrs. Melva T. Maxson, 437 Rogers St., Milton, Wis.	959
Mrs. J. J. Hickey, 424 University Farm Place, Madison 5, Wis.	951
Prof. Charles H. Blake, Woodland Way, Lincoln, Mass.	943
Mr. Benjamin M. Shaub, 159 Elm St., Northampton, Mass.	915
Mr. Herbert H. Southam, 16 Normandy Blvd., Toronto 8, Ontario	884
Mr. George F. Boyer, P. O. Box 60, Sackville, New Brunswick	870
Mrs. Howard G. McEntee, 490 Fairfield Ave., Ridgewood, N. J.	825
Mr. Arthur H. Fast, 4924 Rock Spring Rd., Arlington, Va.	794
Mr. Louis W. Campbell, 4531 Walker Ave., Toledo, Ohio	780
Dr. Walter P. Nickell, 15 Valley Row, Bloomfield Hills, Mich.	773
Dr. Paul H. Fluck, 73 N. Union St., Lambertville, N. J.	753
Mr. Chandler S. Robbins, 407½ Gorman Ave., Laurel, Md.	736
Mr. John H. Buckalew, P. O. Box 71, Cambridge, Md.	728
Dr. J. S. Y. Hoyt, Box 54, Etna, N. Y.	711
Mrs. Lydia Gstell, "Evergreen Sanctuary," Berlin, Conn.	710
Mr. Edward Norman, Old Deerfield St., Deerfield, Mass.	710
Mr. Oakleigh Thorne, Box 347, Islip, Long Island, N. Y.	688
Mr. John L. George, Vassar College, Poughkeepsie, N. Y.	686
Mrs. M. B. Peacock, Highland & Overlook Rd., Pine Ridge, Va.	671
Mrs. Howard A. Drew, 47 Maple Grove, Barre, Vt.	638
Mr. P. L. Hovey, Brookgreen Gardens, Georgetown, S. C.	630
Mr. William E. Brentzel, 1125 12th St., Fargo, N. D.	620
Dumont Banding Station, Pompton Turnpike, Pequannock, N. J.	587
Mrs. Cora B. Wellman, North Great Rd., Lincoln, Mass.	585
Mr. H. L. Medford, 830 Corwallis Rd., Greensboro, N. C.	572

Mr. William M. Davidson, 1504 Bodell St., Orlando, Fla.	569
Dr. Irston R. Barnes, 401 Ridge Rd., Hamden 14, Conn.	563
Prof. O. A. Stevens, State College Station, Fargo, N. D.	561
Mr. H. T. Davis, State Museum, Raleigh, N. C.	558
Mr. Frank P. Frazier, 424 Highland Ave., Upper Montclair, N. J.	557
Dr. J. M. Linsdale, Jamesburg Route, Monterey, Calif.	547
Mr. Carl E. Smith, Halsey, Neb.	547
Mr. Seth H. Low, Route 2, Gaithersburg, Md.	531
Mr. Ray M. Verrill, 332 Sterling Ave., Buffalo, N. Y.	524
Mr. Waldo W. Mayhew, 300 Julian St., Turlock, Calif.	520
Mr. Leroy Gulotta, 1734 South 17th St., Lincoln, Neb.	505
Mrs. Ethel M. Crowell, 4 Maple St., Franklin, Mass.	501
Mrs. Charles E. Peterson, 621 Hillcrest St., Madison, Minn.	501

Sub-total 29,614

Cooperators Banding 100 to 500:

Mr. Robert Adams, 118 Roberta Ave., Waukesha, Wis.	494
Mrs. David Govan, 32 Woodland Rd., Lexington, Mass.	476
Mrs. Thomas B. Rhines, 1855 Main St., Glastonbury, Conn.	473
Mr. & Mrs. John N. Hough, 1515 Mariposa Ave., Boulder, Colo.	448
Mrs. N. Edward Ayer, 1300 Hillcrest Drive, Pomona, Calif.	443
Mr. Charles E. Mohr, Audubon Nature Center, Greenwich, Conn.	428
Mr. L. R. Marland, 82 South St., Ware, Mass.	427
Miss Heather G. Thorpe, 739 Best St., Buffalo, N. Y.	426
Mr. & Mrs. George Ramsdell, 40 Mountain Ave., Lewiston, Me.	421
Mr. Marshall Field, R. R. No. 2, St. Thomas, Ontario	417

Mr. & Mrs. W. Pepper, 20 E. Bells Mill Rd., Philadelphia, Penna.	415
Mr. Samuel Cabot, Jr., 1 Hart St., Beverly Farms, Mass.	410
Mr. Merit B. Skaggs, Eagle-Dodd Roads, Route 1, Willoughby, Ohio	407
Mr. S. R. Jacques, 1122 (450) Nottingham Dr., Macon, Ga.	404
Mr. W. M. Hughes, 8755 Southwest Marine Dr., Vancouver, B. C.	401
Dr. Harold B. Wood, 3016 N. Second St., Harrisburg, Penna.	397
Mr. D. H. Pimlott, The Anchorage, Grand Manan, New Brunswick	393
Mr. B. C. Bacon, Spring Lake Wildlife Sanctuary, Madisonville, Ky.	390
Mr. Maurice G. Street, Box 506, Nipawan, Saskatchewan	390
Prof. Frank M. Erickson, 3505 Foothill Rd., Santa Barbara, Calif.	386

Mr. Kenneth L. Diem, c/o Royal Morris Ranch, Snowville, Utah	374
Dr. T. E. Musselman, 124 S. 24th St., Quincy, Ill.	374
Mr. Lester K. Hutton, 43-38 Burling St., Flushing, N. Y.	367
Mr. Roger C. Fenn, The Fenn School, Concord, Mass.	358
Mr. Gustav J. Schultz, 2213 Waverly Place, Waukegan, Ill.	356
Mr. Fred N. Gallup, P. O. Box 614, Escondido, Calif.	355
Mr. James B. Fleugel, 2405 S. Park St., Kalamazoo, Mich.	353
Mr. Francis H. Boynton, 163 State St., Pasadena 2, Calif.	348
Dr. Merrill Wood, 811 N. Allen St., State College, Penna.	343
Mr. Albert E. Conway, Route No. 2, Phillipsburg, N. J.	338

Prof. Harvey B. Lovell, 3011 Meade Ave., Louisville 4, Ky.	333
Mr. Cyril T. Wolfing, Box 87, Westwood Rd., Alden, N. Y.	331
Mr. Arnold McPherson, 1117 Ave. B. North, Saskatoon, Saskatchewan	319
Mr. Compton Crook, State Teachers College, Towson, Md.	303
Mr. Sandy McCulloch, 2013 Glenwood Ave., Raleigh, N. C.	303
Mr. Webster H. Ransom, Rt. 2, Box V-116-A, Bellevue, Wash.	299
Mr. & Mrs. P. E. Downing, 835 Waukegan Ave., Highland Park, Ill.	294
Col. Arthur Sullivan, K.C., 197 Kingsway Ave., Winnipeg, Manitoba	287
Mr. Leonard R. Newaldt, Washington State College, Pullman, Wash.	283
Prof. Albert Wolfson, Northwestern University, Evanston, Ill.	280
Miss Grace C. Meloney, 200 Chatterton Parkway, White Plains, N. Y.	279
Mr. Paul W. Hoffmann, Rt. 4, Box 84A, Oconomowoc, Wis.	278

Miss Grace Rotzel, Moyland, Penna.	277
Dr. Karl Christofferson, Blaney Park, Mich.	276
Mr. Gordon C. Odlum, Box 999, Prince Rupert, British Columbia	274
Mrs. Christella C. Butler, 3 Parkland Ave., Parkland, Penna.	271
Mrs. Alice D. Miller, 1150 Brewer Rd., Leonard, Mich.	271
Mr. Bennett K. Matlack, Bridgeton, N. J.	270
Mr. Emerson A. Stoner, 149 East "L" St., Benicia, Calif.	268
Mr. W. L. Richardson, Star Route 3, Box 812, Porterville, Calif.	257
Mrs. Joseph T. Birchett, 202 E. 7th St., Tempe, Ariz.	256
Mr. Richard P. Klein, R. D. 4, Jackson Rd., Chagrin Falls, Ohio	254
Miss Dorothy H. Driscoll, 203 Aspinwall Ave., Brookline, Mass.	253
Mr. T. H. Hennessy, Canadian Wildlife Service, Ottawa, Ontario	247
Mr. Samuel W. Witmer, 1406 S. 8th St., Goshen, Ind.	242
Mr. Burt L. Monroe, Ridge Rd., Anchorage, Ky.	242
Prof. Robert E. Ware, Clemson College, Clemson, S. C.	240
Mrs. Janet F. Graves, Wilton Rd., Huntington, N. Y.	237
Mr. Franklin G. Crawford, 2782 Glen Ave., Altadena, Calif.	232
Mr. John W. Brainerd, Springfield College, Springfield, Mass.	231
Mr. Alfred M. Bailey, Museum of Natural History, Denver 6, Colo.	227
Mrs. Harriet H. Burkhardt, Old Valley Rd., Union City, Penna.	224
Mr. Lawrence B. Chapman, 1 Woodridge Rd., Wellesley 81, Mass.	223
Mr. Charles H. Bennett, 80 Belmont Ave., Ottawa, Ontario	222
Mr. Max M. Carpenter, Route No. 1, Dayton, Va.	219
Mrs. Leonard French, 19 Fernbel Lane, W. Hartford, Conn.	219
Mr. Chester J. Skelly, 352 Park St., Milton, Wis.	218
Mr. Selah R. Lester, East Hampton, N. Y.	217
Mr. Ronald H. Andersen, Apt. 12, Eckman Bldg., Mankota, Minn.	214
Mr. George L. Follansbee, Phillips Academy, Andover, Mass.	213
Mr. Irving E. Hampe, 5559 Ashborne Rd., Baltimore 27, Md.	212
Mr. John L. Bull, 49 Merrall Rd., Far Rockaway, N. Y.	211
Mr. George S. Graff, 830 Jefferson St., St. Charles, Mo.	211
Dr. Dwain W. Warner, University of Minnesota, Minneapolis, Minn.	210
Mrs. Helen D. Crockford, Country Club Rd., Chapel Hill, N. C.	209
Mrs. Adele H. West, Box 147, Bridgeport, Ala.	208
Mr. Maurice Broun, Hawk Mt., R. No. 2, Kempton, Penna.	206
Mrs. Herman F. Kuch, 1002 Crest Rd., Philadelphia 31, Penna.	203
Mrs. F. M. Baumgartner, Rt. 2, Airy Acres, Stillwater, Okla.	199
Mrs. Rowland Thomas, 410 E. Green St., Morrilton, Ark.	196
Mr. James L. Stephens, Box 841, Lumberton, N. C.	194
Mr. Paul D. Hurd, 2000 Delaware St., Berkeley, Calif.	193
Mr. Roland O. Hartman, 4387 W. 63rd St., Cleveland, Ohio	192
Mr. Howard P. Mahnken, 59 Delaware Ave., Lambertville, N. J.	190
Mr. John V. Dennis, General Delivery, Gainesville, Fla.	189
Maj. G. G. Ommanney, Canadian Pacific Railway Co., Montreal, Que.	185
Mr. Edgar S. Preston, Tower City, N. D.	184
Mr. Thomas Corrow, 495 Main St., Hamilton, Mass.	181
Mr. John B. McAllister, Alpine, Tenn.	181
Mr. Terrell Marshall, 372 Skyline Drive, Park Hill, Little Rock, Ark.	180
Mr. Harry H. Goehring, 602 3rd Ave. S., St. Cloud, Minn.	173
Mr. Robert B. Hutchinson, 1005 Catalpa Drive, Royal Oak, Mich.	173
Mr. Edgar A. Carrier, 857 Tower Ave., Hartford 5, Conn.	171
Mr. Richard O. Bender, R. D. 1, Cobbs Mill Rd., Bridgeton, N. J.	170
Mr. Hervey Brackbill, 4608 Springdale Ave., Baltimore, Md.	167
Mr. Richard M. Hinchman, 75 Fairbanks Rd., Milton, Mass.	164
Mrs. Elizabeth Rapp, 130 Washington Ave., Chatham, N. J.	164
Mr. Frank C. Winter, 904 N. Rexford Dr., Beverly Hills, Calif.	163
Mr. Francois Hamel, 59 Chemin Ste. Foy, Quebec, Quebec	160

Mr. Gilbert S. Raynor, Manorsville, N. Y.	160
Mrs. William G. Irving, Van Houten Fields, West Nyack, N. Y.	159
Mrs. Frederick W. Stamm, 2118 Lakeside Dr., Louisville, Ky.	159
Mrs. George M. Welles, R. F. D. No. 1, Elmira, N. Y.	158
Mr. Harold S. Peters, FWS, 310 Glenn Bldg., Atlanta, Ga.	157
Mr. Robert J. Hines, 30-12 49th St., Long Island City, N. Y.	154
Mr. Forrest A. Dilling, Box 371, Queen St., Bowmanville, Ontario	153
Mr. Dalton E. Merkel, Bldg. C-2, Adair Village, Corvallis, Ore.	152
Mrs. W. G. Snyder, R. D. No. 3, Williamsport, Penna.	151
Miss E. Grace Stewart, 414 Washington Ave., Wilmette, Ill.	150
Mr. William E. Mack, Rt. 2, Box 172, Healdsburg, Calif.	145
Judge William L. Henderson, Gibson Island, Md.	144
Mr. Ted J. Grisez, R. D. No. 2, Laurel, Md.	143
Mr. Thomas N. Jones, Route No. 1, Union, Ontario	142
Mrs. Charles Puckette, P. O. Box 291, Heavener, Okla.	142
Mr. Walden Pell, St. Andrew's School, Middletown, Dela.	140
Mrs. E. C. Baltzar, 7888 N. Figueroa St., Los Angeles 41, Calif.	139
Mrs. Cristabel S. Rockwood, Maple St., Conway, Mass.	139
Mr. Oscar McKinley Bryens, 231 S. Main St., Three Rivers, Mich.	138
Mr. Stuart Criddle, Treesbank, Manitoba	137
Mr. Stephen C. Fordham, c/o N. Y. State Game Farm, Delmar, N. Y.	137
Miss Edith V. Folger, 215 University Ave., Oxford, Ohio	136
Mr. Albert T. Hartley, R. F. D. 2, Columbiana, Ohio	135
Dr. Harry W. Hann, University of Michigan, Ann Arbor, Mich.	134
Mr. Harold C. Hedges, Rt. 2, Lake Guivira, Kansas City, Kan.	133
Mrs. Muriel J. Coffin, 15 Hammell Place, Chestnut Hill, Mass.	130
Dr. E. O. Hohn, 9127 117th St., Edmonton, Alberta	130
Mr. John L. Kaspar, 392 23rd St., Oshkosh, Wis.	130
Mr. Theed Pearce, Box 159, Comox, Vancouver Is., British Columbia	129
Mr. James W. Ramsey, Rt. 5, Box 30, Greenville, Penna.	129
Mr. H. F. Farrand, 7 Guest Lane, Wilmington, Dela.	127
Mrs. Alice McAlister, Canaan, N. H.	124
Mr. Ronald T. Reuther, 1336 Richmond St., El Cerrito, Calif.	124
Mrs. Louise de Kiriline Lawrence, Rutherglen, Ontario	122
Dr. L. L. Glasgow, School of Forestry, L.S.U., Baton Rouge, La.	121
Mr. Allen H. Morgan, Cochituate Rd., Wayland, Mass.	121
Mr. Parker B. Smith, P. O. Box 746, Paris, Tenn.	120
Mr. J. Lawrence Ward, Coopersville, Mich.	120
Mrs. Carl N. Collister, Rt. 3, Box 243, Greeley, Colo.	119
Mr. Charles G. Thompson, 587 Arlington Ave., Berkeley 7, Calif.	117
Dr. Ralph W. Dexter, Kent State University, Kent, Ohio	116
Miss Elverta G. Hutchinson, R. R. No. 1, Box 281, Loveland, Ohio	115
Mr. & Mrs. John H. Conkey, 11 Chestnut St., Ware, Mass.	114
Mr. Wendell P. Smith, Wells River, Vt.	114
Mr. Duryea Morton, 135 Park Ave., Greenwich, Conn.	112
Mr. & Mrs. Clarence S. Jung, 6383 N. Pt. Washington Rd., Milwaukee, Wis.	111
Mr. Douglas L. Kraus, Rhode Island State College, Kingston, R. I.	111
Mr. George G. Loring, 38 Sea St., Manchester, Mass.	111
Mr. Clarence H. Sanderson, 34th St., Oneida, N. Y.	109
Miss Constance Everett, 206 9th St. N. E., Waseca, Minn.	108
Mr. Philip M. Boocock, 53 Colvin Ave., Buffalo 16, N. Y.	106
Mr. Herman W. Schaars, 2356 N. 19th St., Milwaukee, Wis.	103
Mr. Cleon A. Squire, P. O. Box 891, Sta. A, Bakersfield, Calif.	102
Mr. Charles J. Paine, Old Road, Weston, Mass.	101

 Sub-total 34,867

Summary:

	Cooperators	Birds Banded
State Game Departments	38	90,229
National Wildlife Refuges	28	26,287
Special Units	19	60,571
Cooperators Banding Over 1,000	35	66,633
Cooperators Banding 500 to 1,000	42	29,614
Cooperators Banding 100 to 500	153	34,867
Sub-totals	315	308,201
Cooperators reporting less than 100	298	10,020
Late schedules not included above	...	36,349
Total	613	354,570

From the summary it will be seen that the banding of 354,570 birds during the banding year 1950 was the accomplishment of less than 700 cooperators and units.

Bird-Banding Office, U. S. Fish and Wildlife Service, Laurel, Maryland

A STUDY OF THE BEHAVIOR AND POPULATION
OF PINE SISKINS AT NORTHAMPTON, MASS.,
FEBRUARY-MAY, 1947

BY B. M. SHAUB

Small groups of Pine Siskins, *Spinus p. pinus* (Wilson) were observed on the lawn and occasionally about the feeding trays around the middle of February. Later they visited the traps used for taking Evening Grosbeaks, the banding of which was conducted in cooperation with Mr. Edwin Mason, Superintendent of the Arcadia Wildlife Sanctuary, which is located a couple of miles to the south. Our station was at that time operated as a sub-station of the Sanctuary and when the Siskins began to enter the Grosbeak traps during the last week of February, arrangements were made with Mr. Mason to band some of these birds to see if they were winter residents or if they would move on to another locality as the winter progressed.

Trapping began on the 26th of February and within a week it was quite evident that there were more Siskins in the vicinity than we had estimated and the repeats appeared to indicate that a population study of the birds as winter residents or as a migrating flock might readily develop. In order to take advantage of an excellent opportunity to obtain detailed and accurate data on the behavior and population of our little visitors we gave considerable and careful attention to the details of the study which ran parallel with the work of banding the Evening Grosbeaks. At times one had to waver in his decisions as to which should be given first consideration as the small birds were usually