

RAPTOR RESEARCH SURVEY; 1970, No. 1

With the 1970 renewal notices we sent out forms to report titles of current research projects. Those that have been returned so far are listed in this issue of the *News*; we will prepare supplements for subsequent issues. The following symbols are used: **a**—planning; **b**—in progress; **c**—nearly finished; **d**—manuscript; **e**—in press.

Julian L. Ambrus, MD, PhD (143 Windsor Ave., Buffalo, N. Y. 14209): Study of Members of the Fibrinolysin and Blood Coagulation Systems in Raptors (**b**).

Daniel D. Berger (see James Enderson).

I. L. Brisbin, Jr. (c/o AEC-SROO, Bldg. 772-G, Aiken, S. C. 29801): Bioenergetics of Growth in Young Raptors (**b**, **d**).

Tom Cade (R. D. 1, Dryden, N. Y. 13053): North American Peregrine Survey (**a**).

Ron Collette (1330 W. 4th St., Ontario, Calif. 91762): Breeding Prairie Falcons and Peregrine Falcons (**b**).

Lawrence D. Crowley (756 19th St., Boulder, Colo. 80302): Golden Eagle Nesting Survey (**b**).

Lee A. Eberly (Rt. 2, Box 94, Vermillion, S. D. 57069): Ethology and Ecology of Screech Owls (**b**).

Lon Ellis (950 N. Tropical Trail, Merritt Is., Fla. 32952): Introduction of Red-tailed Hawks as Residents in the Wild; Raptor Management (**b**, **d**).

James Enderson (Langmuir Lab., Cornell Univ., Ithaca, N. Y. 14850): Pesticides: Egg Shell Thinning and Lowered Production of Young in Prairie Falcons (with Daniel D. Berger) (**e**).

Josephine L. Fernandez (P. O. Box 53, Dartmouth, Mass. 02714): Survey of Osprey of Westport, Mass. (**a**).

G. Michael Flieg (Brookfield Zoo., Brookfield, Ill. 60513): 1) Oral Immobilizing Drugs for Birds of Prey (**b**); 2) Nutrition in Birds of Prey (**e**).

Glen A. Fox (65 Grange St., Guelph, Ontario, Canada): Variations in Reproductive Success, Egg-shell Thickness, and Status of the Merlin, *Falco columbarius* (d).

Edward S. Freienmuth (2408 Delwood Ave., Durango, Colo., 81301): Prairie Falcon Breeding (a).

Lou Gaeta (12686 Auburn Rd., Chardon, Ohio 44024): Work With Golden Eagle (a, b).

Jon Gerrard (3851 University St., Douglas Hall, Montreal 112, Quebec, Canada): A Study of the Bald Eagle in Saskatchewan (b).

James W. Grier (Lab. of Ornithology, Cornell Univ., Ithaca, N. Y. 14850): Bald Eagle Ecology & Behavior (b; parts in various stages).

John Hall (1611 W. 9th, Upland, Calif. 91786): Laggar Falcon Breeding Project (b).

William H. Halliwell (Dept. of Vet. Pathology, Univ. of Missouri, Columbia, Mo. 65201): Marek's Disease and Leucosis Complex in Great Horned Owls (*Bubo virginianus*) (d).

Fran Hamerstrom (Plainfield, Wisc. 54966): 1) Harrier Molt Study (with Wm. Scharf) (c; 11th year of study); 2) Ageing Harris' Hawks (with Fred Hamerstrom) (c; 3rd year of study); 3) Cloacal Sexing of Raptors (with John L. Skinner) (d); 4) The Relationship Between DDT and Changes in Harrier Behavior and Reproduction (with R. Risebrough) (b); 5) Ethology of Golden Eagle (especially breeding attempts and nesting; book—*An Eagle to the Sky*; Iowa State Univ. Press) (e); 6) Effect of Biopsy on Harriers (d; 3 year study); 7) Ageing Red-tailed Hawks (d); 8) Kestrel Nesting Study (b; 3rd year); 9) Data on Development of a young Great Horned Owl (Ambrose in *Animal Biographies*, Victor Cahalane, Ed., Prentice Hall) (e).

Fred Hamerstrom (see Fran Hamerstrom 2).

Donald S. Heintzelman (New Jersey State Mus., Trenton, N. J. 08625): 1) Ecology and Breeding Biology of *Falco sparverius* on the Coastal Plain of Central New Jersey (b); 2) *Autumn Hawk Migration* in Eastern North America (book) (b).

Keith Alan Hodson (5191 Robertson Rd., R. R. 1, Ladner, British Columbia, Canada): Wintering Raptor Populations on the Fraser River Delta, B. C. (c; 2 year study—1968-1970).

P. B. Hofslund (Biol. Dept., Univ. of Minnesota, Duluth, Minn. 55812): Meteorological and Geographical Effects on Hawk Migration (b).

M. D. Horton (Rt. 2, Box 293, Vernal, Utah 84078): Facts About Aspergillosis (b).

C. Stuart Houston (863 University Dr., Saskatoon, Sask., Canada): Banding of Great Horned Owl, Swainson's Hawk, Ferruginous Hawk; other Raptors (b, d, e).

Joseph A. Jacobs (1928 Hillcrest Ave., Pennsauken, N. J. 08110): New Jersey Bald Eagles—Ospreys of Seven Mile Beach, N. J. (b).

Donald W. Kaufman (Savannah River Ecology Lab., c/o AEC-SROO, P. O. Box A, Aiken, S. C. 29801): Selection of Mice With Respect to Various Colors of Soil Background by Barn Owls and Screech Owls (b).

Monte N. Kirven (6482 Cardeno Dr., La Jolla, Calif. 92037): 1) Population Survey of Peregrine Falcons in Baja California (b); 2) Breeding Project With *F. p. tundrius* (a).

Calvin Knock (2532 E. Huntington Dr., Duarte, Calif. 91010); Breeding Red Headed Falcons (*Falco chiquera*) (b).

Howard R. Leach (Calif. Dept. of Fish and Game, 1416 9th St., Sacramento, Calif. 95814): Raptor Survey, State of California (a, b).

William Robert Magee (8305 Slough Rd. N.W., Carroll, Ohio 43112): Breeding Red-tailed Hawks (a, b).

Dr. Vic Mankin (College of Education, Univ. of Delaware, Newark, Delaware 19711): Teaching Falcons to Retrieve (1st manuscript in print—*F. C. of A. Journal*, Nov., 1959, Vol. 2, No. 2) (b).

Carl D. Marti (412 Scott Ave., Ft. Collins, Colo. 80521): Some Comparisons of the Feeding Ecology of Four Owls in North-Central Colorado (c).

Kenneth Eric Mesch (Room 3, Andrews Hall, Boulder, Colo. 80302): Behavioral Differences Between Eastern and Western Species of Great Horned Owls (b).

Helmut C. Mueller (Dept. of Zoology, Univ. of North Carolina, Chapel Hill, N. C. 27514) 1) *Falco sparverius*—Laboratory Studies of Prey Selection (b); 2) Relationships of Hunger to Various Predatory Behaviors in *Falco sparverius* (b).

Morlan W. Nelson (73 East Way, Boise, Idaho, 83702): Attempting to Breed Golden Eagles in a Large Outdoor Area (b).

R. Wayne Nelson (Dept. of Biology, Univ. of Calgary, Calgary 44, Alberta, Canada): Breeding Behavior of the Peregrine Falcon (b).

Jack Oar (1603 Log-cabin Ave., Rockford, Ill. 61108): Nesting Census of Red-tailed Hawk and Great Horned Owls in Illinois (a).

Richard R. Olendorff (Aggie Village 7-D, Ft. Collins, Colo. 80521): Growth, Morphology, and Physiology of Three Species of *Buteos* (b).

James W. Parker, Jr. (Museum of Natural History, Univ. of Kansas, Lawrence, Kansas, 66044): 1) Ecology and Population Dynamics of Mississippi Kites (b); 2) Winter Ecology and Behavior of Marsh Hawks (d).

John Edward Polson (2864 West 32 Ave., Vancouver 8, British Columbia, Canada): 1) Observations of Migrating Raptors (*i.e.*, all falcons and accipiters) Through Lower Fraser Delta of British Columbia—Special Reference to Merlin (b); 2) Breeding Project with Prairie Falcon; Use of Artificial Light to Stimulate Breeding Behavior in Non-breeding Season (b).

Sergej Postupalsky (2926 W. 13 Mile Rd., Royal Oak, Mich. 48073): 1) Ecology of Bald Eagle Populations in Michigan (c); 2) The Bald Eagle Population in S.W. Ontario (c); 3) The Bald Eagle Population in the Lake Nipigon Area of Ontario (b); 4) Ecology of the Osprey in Michigan and Ontario (b); 5) Population Changes in Raptors in S.E. Michigan (b).

R. Risebrough (see Fran Hamerstrom 4).

Gerald L. Richards (513 Adams St., Fort Atkinson, Wisc. 53538): Reproductive Behavior of Kestrels Under Confinement (b).

William H. Robinson (R. D. 3, Box 70B, Saugerties, N. Y. 12477): Breeding Eleanora Falcons (b).

James T. Ross (708 Dale Ave., Cumberland, Md. 21502):

Breeding Raptors of Allegany County, Md. (a)

Herman H. Samson PhD (Dept. of Psychology, Arizona State Univ., Tempe, Ariz. 85281): Visual Acuity in Raptors (b).

Wm. Scharf (see Fran Hamerstrom 1).

Jim Scharff (6300 East First, Box 67, Seattle, Wash. 99206): Population Study (b).

Jay H. Schnell PhD (Tall Timbers Research Station, Rt. 1, Box 160, Tallahassee, Fla. 32301): Winter Raptors at Tall Timbers Research Station: Development of a Trap-retrap Technique (b).

John C. Seidensticker (Wildlife Research Unit, Univ. of Idaho, Moscow, Idaho 83843): 1) Nesting Performance and Organochlorine Insecticide Residues in the Red-tailed Hawk and Great Horned Owl of South-Central Montana (d); 2) Response of Juvenile Raptors to DDT in the Diet (d).

Williston Shor (6614 32nd St., N.W., Washington, D. C. 20015): Analysis of Peregrine Falcon Banding Data (d).

Robert W. Simons (3444 N. Church St., Rockford, Ill. 61103): Aspects of Rough-legs Wintering in Illinois and Indiana (a).

John L. Skinner (see Fran Hamerstrom 3).

John Craig Snelling (Lab. of Ornithology, Cornell Univ., Ithaca, N. Y. 14850): Ecology of Eagles and Eagle Owls in the Kruger National Park, Republic of South Africa (c).

Rey C. Stendell (Museum of Vert. Zoology, Univ. of Calif., Berkeley, Calif. 94720): Ecology of White-tailed Kite in the Sacramento-San Joaquin River Delta (b).

David E. Stokes (630 Washington Lane, Jenkintown, Pa., 19046): Goshawk Population of Pike County, Pa. (a, b).

L. G. Swartz (Bunnell Bldg., Univ. of Alaska, College, Alaska 99701): 1) Breeding Biology; populations, with special reference to pesticides, of Merlins (b; 3 years); 2) Captive Breeding of Merlins (b, d); 3) Captive Breeding in Peregrines (b); 4) Interior Alaska Peregrine Survey (b); 5) Varied Ecological Studies (Including Behavior) of Gyrfalcons. (bulk of research being conducted by graduate students) (b); 6) Status of Alaskan Raptors with Respect to Pesticides; species

including Merlin Gyrfalcon, and Peregrine, but to include as complete a spectrum as possible of species breeding in Alaska (b; major emphasis to begin spring 1970).

Stanley A. Temple (Lab. of Ornithology, Cornell Univ., Ithaca, N. Y. 14850): 1) Taxonomy of North American Merlins (c); 2) Population Ecology of the E. Pigeon Hawk (b).

Roger Thacker (Dept. of Animal Labs, Wiseman Hall, Ohio State University, 400 W. 12th, Columbus, Ohio 43210): 1) Internal Parasites of the Red-tailed Hawk (*N.A.F.A. Journal* 1970) (e); 2) Identification and Treatment of Internal Parasites in the Red-tailed Hawk with Special Reference to Fluke Infestation (b).

F. Prescott Ward (Medical Research Lab., Edgewood Arsenal, Md. 21010): 1) Pulmonary Aspergillosis in Prairie Falcon Nest Mates (e; *Bull. Wildl. Dis. Assoc.*, Jan. 1970); 2) Clinical Spiruridiasis in Captive Falcons (d); 3) Parasitisms of Birds of Prey: Diagnosis, Treatment, and Pathogenicity (d).

Clayton M. White (Section of Ecology, Cornell Univ., Ithaca, N. Y. 14850): Ecology of Raptor Populations on Amchitka, Aleutian Isls., Alaska (c)

Jimmie White (5741 Myra St., Cypress, Calif. 90630): Establishing a Breeding Colony of Harris' Hawks (b; 5 years).

David R. Williamson (4328 Lambeth Lane, Ft. Worth, Texas, 76103): Breeding Merlins (a).

Bruce R. Wolhuter (2109 Kentucky, Lawrence, Kansas 66044): 1) Nesting Survey of Great Horned Owls (b); 2) Nesting and Behavioral Study of Mississippi Kites (a).