

1950 and 1951

PROCEEDINGS OF THE  
BRODIE CLUB  
ROYAL ONTARIO MUSEUM  
TORONTO, CANADA

EDITORIAL

In spite of the excellent bookkeeping done by our Treasurer, our annual income, derived entirely from members' dues, has never been above the two-figure range. Accordingly, it has been found expedient to make a saving by combining the 1950 and 1951 Proceedings under the same cover. We have endeavoured to lose nothing in the quality of the Proceedings except some delay in time.

The exceedingly modest budget of the Brodie Club has been made possible all these years by the generosity of the Royal Ontario Museum in providing the Brodie Room free of charge for all its meetings. This is indeed a favoured position when one considers the many organizations which pay for time and space to hold their meetings in the Museum of recent years. The Club wishes to express its appreciation at this time and hopes that this amiable relationship will continue for many years.

Three members on the Honorary and Corresponding lists have died during these two years and their obituaries follow:

ERIC C. CROSS (born in Lanark, Ontario, 1898) was associated with the Department of Zoology at the University of Toronto and the Royal Ontario Museum of Zoology for most of his active life. His ability as an organizer characterized his work in the many positions he held. Following the first World War, in which he won his wings, Mr. Cross was in charge of business and supplies in the Department of Zoology. For many years he spent part of his time at the Royal Ontario Museum and in 1936 was made acting curator of Mammals. He was interested in population studies and published papers on foxes and on the mammals of Ontario. In the second World War he engaged in personnel and educational work and held the rank of Wing Commander with the R.C.A.F. After the war he resumed his position at the museum and in 1945 became chief of the Department of Extension. For a time he was secretary of the Museums Association of Canada. In 1947 Mr. Cross left

the Museum to become director of community programs for the Ontario Department of Education. It was while serving as a Canadian representative to an U.N.E.S.C.O. conference in Europe that he suffered a heart attack which led to his untimely death in London on February 2nd, 1950. Mr. Cross was active in the early years of the Brodie Club and served a term as the Club's secretary.

CHARLES EDWARD CORFE, died February 16th, 1951, was born in Winchester, England, April 18th, 1860. A custom tailor and designer by trade, he operated a store in Guildford, England, for many years before coming to Canada in 1906.

He was an authority on insects, particularly Lepidoptera, and affiliated himself with the Toronto branch of the Entomological Society of Ontario. He was elected a member of the Brodie Club in 1934.

From 1931 until very shortly before his death, Mr. Corfe was on the associate staff of the Royal Ontario Museum of Zoology. His meticulously careful preparation of insects materially aided the Museum in building its collections. He also devoted much attention to junior entomologists who visited at the Museum.

All who knew Mr. Corfe respected his knowledge and admired him as a pleasant man of fine appearance and quiet dignity.

HUBERT HARTFIELD BROWN, died June 15th, 1951, was born on University Ave., Toronto, July 2nd, 1870. He was early attracted to the study of birds, and at the age of 17 joined Dr. William Brodie's Biological Section of the Canadian Institute, of which he became Secretary. He formed a collection of local birds (289 specimens) and maintained a journal from 1886 to 1897, both of which he presented to the Royal Ontario Museum of Zoology.

Pressure of business (he was for more than fifty years shipper at Brown Brothers, stationers) and failing hearing caused him to give up the study of birds at about the age of 30.

A lifelong friend of Alfred Kay, of Port Sydney, Muskoka, he met Mr. Snyder and other members of a field-party from the R.O.M.Z. at Mr. Kay's farm in 1919, and his natural history associations were resumed.

In 1924, Hubert was elected a member of the Brodie Club and became one of the original associates of the Kettleby Kabin Klub. His interest in plants, begun about that time, served to focus his attention on what proved to be his most absorbing interest during the last 25 years of his life. He formed a collection of mosses, ferns and flowering plants which he willed to the University of Toronto herbarium.

Despite poor health for many years, his manner was always genial and it is fair to say that no one enjoyed life and a naturalist's activities more than Hubert Brown.

#### THE 486th MEETING—JANUARY 3rd, 1950.

Chairman: Hope.

Attendance: 20.

BUSINESS: Nine new active members welcomed.

OBSERVATIONS: *A Shrike year*, Owens. *Carolina Wrens at High Park*, Trowern. *Eighth edition of Gray's Botany promised for 1950*, Soper. *World food production and increasing population*, Ide. *Christmas trees*, Thompson.

PAPER: *Streams*. Ide described the physiography and ecology of streams from source to mouth, illustrated by coloured slides.

#### THE 487th MEETING—JANUARY 17th, 1950.

Chairman: Gunn.

Attendance: 29 & 1 visitor.

BUSINESS: Saunders given resident corresponding membership. Reduced fees for new members.

OBSERVATIONS: *Fulmar breeding colony in North America*, Carrick. *"North American Waterfowl" by Day*, Fowle. *"Man, Weather, Sun" by Peterson*, Falls. *Heligoland and Pantelaria to be used for migration observations*, Cook. *Change in food habits in Liberia*, McIlwraith. *Invitation to private woodlot and weather and mouse population*, Outram. *Spanish River pollution*, Toner.

PAPERS: *A new method of mounting plants*. Williamson described a permanent and neat method using Gelva a polyvinyl acetate. *Unique Ontario bird specimens*. Baillie showed skins of 24 species represented in Ontario by only one specimen each.

#### THE 488th MEETING—JANUARY 31st, 1950.

Chairman: Harrington.

Attendance: 26 & 4 visitors.

BUSINESS: Appeal for papers.

OBSERVATIONS: *Anhinga, the 25th unique Ontario bird specimen*, Snyder. *Pigeon antics*, Ghent. *Birds mimiced by Starlings*, Lindsay. *Harlequin Duck at Sunnyside*, Emery. *Schools of small fish at Georgian Bay*, Harrington. *Bird observations in Denmark*, Knudson.

PAPERS: *Films on King Penguins and English warblers and mammals*, Miller. Critical discussion followed showing of films. *Report of Pelee Committee*, Gunn.

THE 489th MEETING—FEBRUARY 14th, 1950.

Chairman: Mayall. Attendance: 13 & 1 visitor.

BUSINESS: *Special price of "Canadian Nature."* Memorial to E. C. Cross to be prepared by Downing and a letter of sympathy to be sent to Mrs. Cross.

OBSERVATIONS: *Rare Scorpion fly collected on snow, Falls. Only Ontario specimen of Eared Grebe recently sent to R.O.M.Z., Hope.*

PAPER: *Regional Classification of Southern Ontario.* W. P. Creswick, a soil geographer, discussed different criteria for regional classification, using coloured slides.

THE 490th MEETING—FEBRUARY 28th, 1950.

Chairman: McIlwraith. Attendance: 18 & 1 visitor.

BUSINESS: Shortt appointed Secretary, pro-tem. McIlwraith appointed to represent Club at F.O.N. Trowern moved to New Liskeard. Active membership to be reviewed by Committee.

OBSERVATIONS: *Polar Bear skulls and attacks on humans, Downing. Neoplasms in Dogs, Ritchie. Invasion of Britain by Bohemian Waxwings, Snyder. Leopard escapes from Zoo, Campbell. Feral cats in Nipissing District, new book on Avocets, observation of Hoyt's Horned Lark, Harrington. Arctic Puffball from Greenland, Bell. Abundance of Northern Shrikes, Devitt.*

PAPERS: *Avian Insanity.* Thompson described meeting an unusually tame male Ruffer Grouse in Muskoka.

*History and distribution of some reptiles in Eastern Ontario.* Lindsay described the Pilot Black Snake along the north shore of Lake Erie and near Kingston. *The Map and Wood Turtles* were also discussed.

THE 491st MEETING—MARCH 14th, 1950.

Chairman: Peterson. Attendance: 24 & 3 visitors.

BUSINESS: Falls appointed Secretary pro-tem. Treasurer to purchase ash-trays.

OBSERVATIONS: *Recent California trip, Clarke. Dead Lynx shown, Downing. Shrike chasing Pigeons, Deer Mouse tracks, Lindsay. Periosteal sarcoma in dinosaur bone, Ghent. Egg-eating, Harrington.*

PAPER: *"A Study of Marten and Fisher in Ontario"*—A. deVos told of his studies of these species which included distribution, numbers, movements, parasites, and morphology. The need for ecological knowledge as a basis for management was stressed.

THE 492nd MEETING—MARCH 28th, 1950.

Chairman: Owens. Attendance: 20.

BUSINESS: Leaside Branch of the Don Valley Conservation Club opened up. Emery on trip to Europe. Toner appointed Secretary pro-tem.

OBSERVATIONS: *Wolf from Niagara, Devitt. Birds in High Park, a visit to Ivor's aviary, Lindsay. Pet Starling, Ghent. Orchard owners opposed to killing fox, Clarke. Trip to Louisiana, Outram. First Robin, Owens.*

PAPER: *"The Food Habits of the Woodland Caribou."* Cringan, in a study of the Slate Islands indicated that reindeer moss might be a critical factor in the diet of this species.

THE 493rd MEETING—APRIL 11th, 1950.

Chairman: Outram. Attendance: 16 & 1 visitor.

BUSINESS: Letter regarding Pelee Park. Lindsay to exchange ash-trays for larger ones.

OBSERVATIONS: *Deer in Don Valley, Muskrat in backyard, Thompson. Pollution of Don River by sewage, Leopold's "Sand County Almanac" reviewed, Mayall. Chickadee immitates Redwing, Lindsay. Film entitled "Savage Splendour," McIlwraith. Death of Frank Morris, Brown.*

PAPER: *"Preparation of Skeletons."* Hope described the methods used at the museum and showed several examples of the extensive collection of bird skeletons which he is accumulating.

THE 494th MEETING—APRIL 25th, 1950.

Chairman: Ide. Attendance: 24.

OBSERVATIONS: *White Whales marked in Ontario Waters, Outram. Photographs from Long Point, Falls. Narwhal teeth, Snyder. Birds seen at Point Pelee, Baillie. Pileated Woodpeckers, Harrington. Tree-climbing Painted Turtles, Cringan. Report of Severn Wild Fowl Trust from Britain, Ussher. High Park observations, Lindsay. Banded Grackle, Trowern. Woodcock, Ide.*

PAPER: "Studies of the Behaviour of Deer Mice." Falls studied the factors affecting local distribution and activity of these mice by live trapping in Algonquin Park.

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THE 495th MEETING—MAY 9th, 1950.

Chairman: Cringan. Attendance: 24 & 5 visitors.

OBSERVATIONS: *Cancer in plants*, Cook. *Grey Fox 200 miles north of Edmonton*, Peterson. *Banded Black Duck*, Lindsay.

PAPER: "Arctic Movies." Gunn showed coloured films taken by him in the eastern Arctic last summer which pictured Polar Bear, Musk Oxen, Walrus, Seal, White Whales, and many sea-birds.

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THE 496th MEETING—SEPTEMBER 26th, 1950.

Chairman: Baillie. Attendance: 19.

BUSINESS: Nominations for offices.

OBSERVATIONS: *Wood Duck at Foleyet September 20th*, Lunn. *Hummingbird catching insect on the wing*, Snyder. *Bald Eagles common in the Kapuskasing area*, Brodie. *Peach crop at Vineland, brown rat abundant*, Cook. *Trip to Sutton Lake, Cherry trees seeded in Algonquin Park burn*, Fowle. *Shore-birds abundant along St. Lawrence*, Napier-Smith. *Red Cross-bills in Algonquin Park*, Thompson. *Late-blooming Magnolia*, Watson. *Ground Hemlock fruit abundant*, Outram. *Case of Toxoplasmosis*, Ritchie. *Black Garter Snakes at Long Point, Falls*.

DISPLAY: Birds collected by Hope in Wyoming.

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THE 497th MEETING—OCTOBER 10th, 1950.

Chairman: Falls. Attendance: 13.

BUSINESS: Elections—Secretary: Ritchie. Treasurer: Lindsay. Program: Soper, Outram and Fowle. Proceedings: Ritchie (ex officio), Falls and Ide. Membership: Snyder, Edwards and Gunn. Library: Cook, Ghent and Bell. 500th Meeting, Snyder.

OBSERVATIONS: *Pastureland on gravel hills*, Toner. *Death of Prof. Fernald*, Soper. *Enormous flock of starlings*, Snyder. *Elk liver fluke*, Outram and Clarke. *Summer work in B.C.* Edwards. *Hungarian Partridge, waterfowl on Holland Marsh*, Clarke. *Tameness of Ring-billed gulls, Big smoke cloud from Alberta*, Southam. *Wolves and Elk*.

THE 498th MEETING—OCTOBER 24th, 1950.

Chairman: Harrington. Attendance: 19 & 2 visitors.

BUSINESS: Financial Statement, \$60.30 on hand, Lindsay. Notices of meetings, Fowle.

OBSERVATIONS: *Skull and foot of Coot from Kapuskasing*, Synder. *Evening Grosbeaks in Alberta*, Richards. *Turkey Vultures increasing in numbers*, Cringan. "The Life of the Robin" by Lask, Fowle. "Collecting and Preserving Methods for Vertebrate Animals," Outram. *Black-throated Blue Warbler, Oct. 15th*, Cook. *Great Gray Owls from Port Arthur*, Hope. *Cats, flock of Canada Geese*, Lindsay. *Great Gray Owl at New Liskeard*, Baillie. *Black-throated Blue Warbler, Tree Sparrows, Snow Buntings, and Swamp Tree Frogs*, Devitt. *Cool summer and mild fall, trees and frogs*, Thompson. *Poliomyelitis and flies, infant's heart*, Ritchie. *Specimen of Little Gull at Humber*, Snyder. *Hooded Merganser*, Brant. *Speckled Trout, Bluejays, Sandhill Crane, Blue Geese, Grouse falling off in numbers*, Harrington.

PAPER: A.O.U. Meetings on Oct. 9-31 at Minneapolis, Gunn. Four Papers were discussed: *Moon-Watching, Affect of day length on Gonadal Growth, Social Behaviour and Survival, Meaning of Polymorphism in Birds*.

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THE 499th MEETING—NOVEMBER 7th, 1950.

Chairman: Myall. Attendance: 29 & 3 visitors.

BUSINESS: 500th Meeting. Congratulations to Jim Baillie on 1000th number of "Birdland."

OBSERVATIONS: *Purification of waste by forest soil*, Toner. *Sulphur Butterflies*, Harrington. *Cup plant in High Park*, Owens. *Butterflies and Old Squaws*, Thompson. *Evening Grosbeak in Adirondacks*, McIlwraith. *Preying Mantis and Sulphur Butterfly*, Ide. *Mantis Common in King Township*, Snyder. *Recent specimen of Little Gull*, Hope. *Tree frogs and Pine Siskins*, Lindsay. *Deer Breeding in Algonquin Park*, Fowle. *Raccoon*, Cook.

PAPERS: *Recent Meeting of Canadian Institute of Forestry*, Cringan. Practical action in Silviculture forecast for the future.

*Summer work in Wyoming*, Hope. 101 species observed, 270 specimens of 84 species collected and preserved for comparison with our Northern Ontario species. *Maps of glacial lakes and distribution of birds*, Satterly.

THE 500th MEETING—NOVEMBER 21st, 1950.

Chairman: Outram.

Attendance: 38.

The 500th Meeting was a regular irregular centennial meeting held above the beer parlor of the Babloor Hotel and was preceded by a turkey dinner beginning at 6.45 p.m.

REVIEW OF PREVIOUS CENTENNIALS: Shortt.

BUSINESS: Soper: biography of Brodie? Fowle: new form for notices of meetings. Emery: Congratulations to Baillie on 1000th column. Gunn: Rewster medal: Soper: Semi-palmated Sandpaper.

OBSERVATIONS: Snyder: *Robins and Yarn.* Walker: *Song Sparrow singing "Coming Thru the Rye."* Shortt: *Letter from lady re "lovely birds and flowers."* Gunn: *ditto.* Baillie: *rare birds.* Peterson: *ditto.* Clarke: *Substitution behaviour.* Devitt: *Queer birds.* MacLulick: *rabbit confused with elephant.*

PAPERS: *Anecdotes of Riverdale Zoo* by Campbell. This paper began at the Zoo and ended in the Ark. *"The Colour Test in Taxonomy,"* written by Logier and read by Shortt. This paper was so packed with logical nonsense as to be above the heads of all sober members. *"News Letter"* by Outram. A typical day's birding around Toronto which ended in the Don Jail.

The meeting was broken up at 10 p.m. to the strains of "Vive la Brodie Club."

THE 501st MEETING—DECEMBER 5th, 1950.

Chairman: Soper.

Attendance: 16 & 3 visitors.

BUSINESS: Carrick: proceedings.

OBSERVATIONS: *Deformed bill of Rusty Blackbird,* Falls. *Acadian Flycatcher skin, 1899, new for Toronto,* Snyder. *Brunnick's Murre influx following windstorm of Nov. 26,* Hope.

PAPER: *"The Proposed Biological Colour Standards,"* Guest speaker Dr. D. H. Hamly of Department of Botany, U. of T., reviewed the various standard colour charts available, pointing out their restrictions and short-comings. He described a new set of colour standards now being developed and asked for ideas of requirements of the different specialties.

THE 502nd MEETING—DECEMBER 19th, 1950.

Chairman: Falls.

Attendance: 25 & 3 visitors.

BUSINESS: Thompson transferred to Honorary Membership.

OBSERVATIONS: *Fish and bird records from the Lakehead,* Allin. *Great Gray Owl in Toronto,* Gunn. *Fewer Long-eared Owls this year.* Mellwraith. *Abundance of Microtus runways,* Clarke.

PAPER: *"With Camera and Vasculum through Southern Ontario."* Soper described and showed maps and coloured transparencies of the distribution of some Ontario wild flowers, part of data collected by the speaker during the summer season for several years.

THE 503rd MEETING—JANUARY 2nd, 1951.

Chairman: Carrick.

Attendance: 18 & 4 visitors.

BUSINESS: Report of Christmas Census to Audubon Field Notes, prepared by Gunn.

OBSERVATIONS: *Robin at Mt. Pleasant,* Owens. *"Menaboni's Birds,"* Cook. *Chipmunks in captivity,* Fowle. *Albino Chickadee,* Cook. *Tame-acting Weasel, Ruffed grouse and Meadowlark.* Lindsay, Fowle and Thompson.

PAPERS: *"Observations in Patricia district of Northern Ontario,"* Cringan described observations of plant and animal life made during last June and July at Makoop Lake, 200 miles north of Sioux Lookout, during an investigation of that country for muskrat-raising purposes.

*"1950 Christmas Bird Census."* Baillie gave a short historical account of the Christmas Census in Toronto and presented the results of the 1950 effort.

THE 504th MEETING—JANUARY 16th, 1951.

Chairman: Edwards.

Attendance: 27 & 5 guests.

OBSERVATIONS: *Eight reports of Arctic Three-toed Woodpeckers,* Baillie. *Echinococcus tapeworms in a Wolf,* Fallis. *Dovekie at the waterfront,* Baillie. *Results of January duck census,* Devitt.

PAPER: *"Pele Island,"* Carrick described the topography, vegetation and fauna of the island. A coloured moving picture and still pictures of the life history of the Ring-necked Pheasant and of the Pelee Island Pheasant shoot were shown.

THE 505th MEETING—JANUARY 30th, 1951.

Chairman: Cook. Attendance: 20 & 7 visitors.

PAPER: *Birds of the Upper Columbia River Valley, British Columbia.* Guest speaker, David A. Munro, Wildlife Management Officer of B.C. This paper, accompanied by beautiful coloured transparencies, was a description of the Columbia River Valley in all seasons. Special attention was paid to the life history of Canada Geese as it occurs in British Columbia.

OBSERVATION: *Crossbills, Finches and Siskins*, Falls.

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THE 506th MEETING—FEBRUARY 13th, 1951.

Chairman: Devitt. Attendance: 14 & 1 visitor.

OBSERVATIONS: *Change in attitude after chastisement of captive goat and deer*, Lindsay. *Horned Owl on nest*, Cook. *Influx of Larks, Buntings and Longspurs on Feb. 4*, Baillie.

PAPERS: "*Hydatid Cyst in a Young Girl.*" Ritchie presented a short outline of the life cycle of the dog-sheep tapeworm, *Echinococcus granulosus*, and described the occurrence of the cystic stage in the lung of a girl from Foleyet.

"*Lament of a Naturalist condemned to live in a City.*" Thompson described Toronto as he knew it as a boy and consoled his envious listeners by pointing out the great number of advantages naturalists now have even though many interesting localities have been laid waste.

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THE 507th MEETING—FEBRUARY 27th, 1951.

Chairman: Fowle. Attendance: 18 & 3 visitors.

BUSINESS: Death of honorary member Mr. C. E. Corfe.

OBSERVATIONS: *American Merganser going over Niagara Falls, North. Redwing and Song Sparrow singing Feb. 26*, Lindsay. *Long-eared Owls*, Clarke. *Horned Larks singing*, Devitt. *Animals killed on highway*, Clarke. *Deer Mouse nest from Long Point with fleas and mites*, Falls.

PAPERS: "*X-rays in Zoology.*" Ghent in his 36 years as a radiographer had varied his occupation from time to time to take X-ray pictures of animals and birds. The results proved interesting and varied.

"*Variation in the Cinnamon Teal.*" Snyder. The speaker presented a progress report of the classification of 25 specimens of Cinnamon Teal recently collected by Harry Lumsden in Colombia and showed that the North American birds differ from those in South America.

THE 508th MEETING—MARCH 13th, 1951.

Chairman: Emery. Attendance: 20 & 2 visitors.

OBSERVATIONS: *Trip through North-eastern States*, Lloyd. *Broken leg of Sunnyside duck set*, Ghent. *Redwings, Chipping Sparrows, Purple Finch, Siskins and Robins*, Munro. *Siskin on March 10 with big testes*, Hope. *Heavy flight of crows on March 10*, Lindsay. *Siskin's nest at Forks of the Credit*, Hope. *Bluebirds March 11*, Falls. *Birds in the Yukon*, MacLulick.

PAPERS: "*Vitamins in Plants.*" Cook defined "vitamins" and briefly outlined the history and present uses of some of the more important examples.

"*Wilderness Parks—Good Land Use?*" Edwards outlined his views on the proper use to be made of wilderness parks in general and those of British Columbia in particular, contrasting the two views of recreational use and preservation of natural conditions.

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THE 509th MEETING—MARCH 27th, 1951.

Chairman: Ghent. Attendance: 17 & 1 visitor.

BUSINESS: Report of F. O. N. Meeting, Falls.

OBSERVATIONS: *Rediscovery of Notornis hochstetteri*, Devitt. *Rediscovery of Cahow*, McIlwraith. *Swans, Canvasbacks, and Redheads at Long Point*, Falls. *Abundance of Siskins, Crossbills and Purple Finch this winter*, Thompson.

PAPER: "*The Relationship between Race and Cultural Achievements.*" McIlwraith defined culture and described its development by different races. Races tend to discredit and reject the culture of other peoples.

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THE 510th MEETING—APRIL 10th, 1951.

Chairman: Lindsay. Attendance: 16 & 2 visitors.

BUSINESS: Distribution of 1949 Proceedings, Carrick. Membership, Hope.

OBSERVATIONS: *Whistling Swan, April 4*, Baillie. *Siskin nest at Palgrave, April 7*, Hope. *Two new books*, Falls. *Condor vs. oil interests in California*, Clarke. *Trip to Nassau*, Campbell.

PAPERS: "*Determination of Hairs by Impression.*" Williamson described his method of examining the microscopic surface features of hair. This is a valuable aid in genus identification, in archaeological work and in other fields.

"*Anthony Gapper,*" Devitt. This was an historical account of a doctor who practiced medicine in Thornhill from 1826 to 1829 and also made many natural history observations in this region.

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THE 511th MEETING—APRIL 24th, 1951.

Chairman: Soper. Attendance: 7.

BUSINESS: Discussion of low attendance. Tribute to Mr. Brown.

OBSERVATIONS: *Obtaining fresh Canada Goose eggs*, Soper. *Coward's "British Birds,"* Harrington. *Song Sparrow songs*, Emery. *Dead birds from Niagara Falls*, Hope. *Caution of identification of birds by song*, Lindsay. *Mink in High Park*, Lindsay. *Don Valley conservation report*, Outram

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THE 512th MEETING—MAY 8th, 1951.

Chairman: Outram. Attendance: 11 & 2 visitors.

OBSERVATIONS: *Hawks near Acton*, McIlwraith. *Few warblers* Devitt. *Snow and Blue Geese at Cap Tourment*, Carrick. *Second Siskin nest at Cataract*, Hope. *Review of Ontario game preserves*, Clarke. *Winter and spring birds coincident*, Southam. *Osprey nesting at Arden*, Lindsay. *Many Cowbirds*, Harrington. *Mink at Cedarvale*, Outram.

PAPER: *Review of "The Kon-Tiki Expedition."* Clarke outlined the purpose and events of the expedition as written by Heyerdahl. Although the success of the expedition suggested that migration from South America to Polynesia might have been possible, it did not prove that it actually occurred.

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THE 513th MEETING—OCTOBER 16th, 1951.

Chairman: Snyder. Attendance: 14.

BUSINESS: Nomination of officers. Financial statement. Lindsay. Discussion of constitution and membership. Death of Mr. Brown.

THE 514th MEETING—OCTOBER 30th, 1951.

Chairman: Williamson. Attendance: 17.

BUSINESS: Proposed alteration to constitution. Discussion of proceedings. Election of officers. *Secretary*—Ritchie. *Treasurer*—Lindsay. *Programme*—McIlwraith, Hope, Soper. *Proceedings*—Devitt, Gunn, Ritchie (ex-officio). *Membership*—Snyder, Outram, Falls. *Library*—Bell, Cook, Ghent.

OBSERVATIONS: *Animals at Leaside disposal plant*, Toner. *Picture of Arctic Char*, Harrington. *Summer work at Long Point*, Falls. *Emergence of Cicada*, Owens. *Summer work at Algonquin Park*, Gunn. *Motor trip through Michigan and plane trip to Hudson's Bay*, Fowle. *Summer birds in King Township*, Snyder. *Heavy flights of Chickadee, Warblers, Pipits, Bluejay, Canada Jay, etc.*, Hope. *Observations in Peterborough County*, Outram. *Hermit Thrush on Long Island, N.Y.*, McIlwraith. *Summer plant finds*, Soper.

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THE 515th MEETING—NOVEMBER 13th, 1951.

Chairman: Baillie. Attendance: 17 & 2 visitors.

BUSINESS: Constitution amendment: (1) meetings first and third Tuesdays, October to April (first Tuesday only), 8 to 10 p.m. (2) Club year is from January to December.

OBSERVATIONS: *Bodsworth's Conservation article in Maclean's*, Toner. *Blue Geese at Kettleby*, Snyder. *Shagbark Hickory galls in Mount Pleasant Cemetery*, Owens. *Robins, Killdeer and Pipit*, Lindsay. *Recent large Brown-headed Chickadee south-western flight*, Hope. *Evening Grosbeak and Canada Geese*, Gunn. *Heavy Marsh Hawk movement*, Bodsworth. *Oregon Junco, Killdeer and Black-bellied Plover*, Devitt. *Arctic Three-toed Woodpeckers and Crossbills*, Baillie.

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THE 516th MEETING—NOVEMBER 27th, 1951.

Chairman: Peterson. Attendance: 20 & 3 visitors.

BUSINESS: Invitation of Club to Maple Research Station, Fowle.

OBSERVATIONS: *Pine Grosbeaks eating Privet and Japanese Strawberry*, Owens. *Scarcity of birds at Thunder Bay*, Falls. *Cooperation between Madison and Port Arthur Clubs*, deVos. *Opossum photos from Life*, Outram. *Scarcity of winter birds on the Don*, Thompson. *American vs. Canadian Parks*, Fowle and Southam. *More about Chickadee Flight*, Hope. *Grey Squirrel digging up peanut*, Snyder. *Red-headed Woodpecker in High Park*, Bodsworth. *Abundance of Red Squirrel in Hawkley Valley*, Peterson.

PAPER: "The Fisher," deVos. The speaker described the animal, its habits and present and former status, drawing largely from his own experiences and interviews with trappers.

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THE 517th MEETING—DECEMBER 11th, 1951.

Chairman: Brodie. Attendance: 14 & 4 visitors.

BUSINESS: Next two meetings to be moved out of the Christmas season, Hope. Christmas Census on December 23rd to be organized by Baillie and Gunn.

OBSERVATIONS: *Female Yellow-throat and Gadwall at Grenadier, Baillie. Carolina Wren at Cedarvale, Baillie. Scarcity of Birds, Baillie and Harrington. Long-tailed Weasel in winter pelage at Purpleville, Thorn. More about Chickadee Flight, Hope. Male Yellow-throat and three Great Blue Heron at Grenadier, Thompson. Scoters on Lake Erie, Bodsworth. Red-throated Loon and its bill at Niagara, McIlwraith.*

PAPER: "The Origins of Christmas." McIlwraith outlined the three general origins from which our present Christmas ritual is probably derived, i.e., birth of Jesus Christ, winter Roman festival and Northern influence.

MEMBERSHIP AT END OF 1951.

26 Active, 16 Honorary, 46 Corresponding.

*Active List.*

J. L. Baillie	W. H. Lunn
J. A. Brodie	T. F. McIlwraith
Wm. H. Carrick	K. M. Mayall
C. H. D. Clarke	A. A. Outram
F. S. Cook	R. C. Ritchie
O. E. Devitt	L. L. Snyder
F. H. Emery	J. H. Soper
J. B. Falls	H. H. Southam
C. D. Fowle	L. Sternberg
W. W. H. Gunn	G. C. Toner
P. Harrington	R. W. Trowern
C. E. Hope	R. D. Ussher
R. V. Lindsay	Vic. Williamson

*Honorary List.*

G. S. Bell	H. G. Macklin
J. A. Campbell	J. A. Munro
L. S. Dear	L. T. Owens
J. R. Dymond	C. D. Richards
J. Edmonds	E. V. Rippon
P. P. Ghent	S. L. Thompson
S. Harrod	E. M. Walker
T. B. Kurata	A. A. Wood

*Corresponding List.*

A. E. Allin	Hoyes Lloyd
L. H. Beamer	E. B. S. Logier
O. D. Boggs	H. G. Lumsden
B. W. Cartwright	D. A. MacLulich
W. A. Clemes	Dan McCowan
A. F. Coventry	D. S. Miller
A. T. Cringan	L. J. Milne
S. C. Downing	J. G. Oughton
R. Y. Edwards	R. L. Peterson
A. M. Fallis	L. A. Prince
W. J. K. Harkness	A. L. Pritchard
J. L. Hart	D. S. Rawson
H. B. Herrington	W. E. Ricker
W. E. Hurlburt	Wm. Rowan
F. P. Ide	J. B. C. Runnings
Monroe Landon	R. J. Rutter
J. E. Leeson	R. M. Saunders
H. F. Lewis	W. B. Scott



*Corresponding List*—Continued.

R. W. Sheppard  
T. M. Shortt  
F. A. E. Starr  
T. M. C. Taylor  
F. A. Urquhart

Anton deVos  
S. Waller  
R. V. Whelan  
H. C. White  
W. E. van Steenburgh

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The number of regular meetings during 1950 was 16 and the average attendance by members per meeting was 21. An hundredth anniversary meeting was held at which the attendance was 38. Twenty-one papers were presented, classified as follows: Ornithology 4, Mammalogy 3, Technique 3, Humour 3, Reports 3, Physiography 2, Botany 1, Herpetology 1, Films 1. Two meetings were for observations only.

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The number of regular meetings during 1951 was 15 and the average attendance by members per meeting was 17. Sixteen papers were presented, classified as follows: Anthropology 3, Ornithology 3, Regional 2, Technique 2, Mammalogy 1, Botany 1, Parasitology 1, Management 1, Biography 1, Reminiscence 1. Three meetings were for observations only.