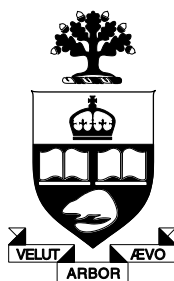


**University of Toronto Archives  
And Records Management Services**



**James Bruce Falls**

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Compiled by  
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**James Bruce Falls**

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## James Bruce Falls

### Biographical sketch

James Bruce Falls was born in Toronto on 18 December 1923, the son of a civil engineer Orville M. Falls (BASc 1914) and Hazel Ranney. He attended Vaughan Road Collegiate Institute and in the autumn of 1942 entered the "science" program at Victoria College in the University of Toronto. In his second year he began studying biology but withdrew in October to join the Royal Canadian Air Force. He returned to his studies in 1945. His extra-curricular activities included being on the Biology Club executive from his second year and president in his fourth year, and a member of the Hart House Glee Club. He received an honours BA in biology in 1948, having been awarded the Edward Blake Scholarships in biology and mathematics, and graduating in first class with a British Association for the Advancement of Science medal (U of T).

That fall he registered as a doctoral student in zoology at the University where he studied under Kenneth Fisher. During his last year, 1952-1953, he lectured in the Department and received his doctorate at the spring convocation. The title of his thesis was 'Activity and local distribution of deer mice in relation to certain environmental factors.' Later in 1953, as a National Research Council of Canada overseas fellow, he left for Oxford University where he did post-doctoral research in its Bureau of Animal Population.

In 1954 Falls returned to the University of Toronto as a lecturer in the Department of Zoology, was promoted to assistant professor in 1957, associate professor in 1961, and professor in 1966. He held that position until 1989 when he retired as professor emeritus. He served as undergraduate secretary in the Department from 1969 to 1975, as Associate Chairman (Undergraduate Affairs) from 1975 to 1980, and on numerous departmental committees, several of which he chaired. He was a member of the council of the Faculty of Arts and Science (beginning in 1957) and active as a member or chair of a number of its committees. He also sat on the Innis College Council from 1963-1970 and on its academic affairs committee. He represented the Department of Zoology on the Users' Committee of the Wildlife Research Station in Algonquin Park. As professor emeritus he was reappointed to the graduate faculty of the Department of Zoology until 1994.

During his academic career, Professor Falls spent some time at other universities. On sabbatical during the first half of 1964, he was Visiting Scientist at the Division of Wildlife Research, Commonwealth Scientific and Research Organization, in Canberra, Australia. In 1973, again on sabbatical leave, he was Visiting Scientist, Institute of Animal Resource Ecology at the University of British Columbia. In 1980 he was Visiting Scientist at the Field Research Centre at Rockefeller University in New York City. The next year and again in 1988 he was Visiting Fellow at Wolfson College and Visiting Scientist at Edward Grey Institute of Field Ornithology, Department of Zoology, at Oxford University.

At the University of Toronto Professor Falls taught undergraduate courses in behaviour, evolution, zoogeography, ecology and field biology. The principal ones were Zoology 223 (ecology) which was succeeded in 1974 by Zoology 323 (animal ecology); Zoology 327 (general ecology), 328 (animal geography), 472 (behavioural ecology) and 484Y (ecological seminar). He also taught Biology 110Y (nature of living organisms) and Biology 300 and 490

## James Bruce Falls

### Biographical sketch

(both field biology), where he was in charge of instruction and arrangements for zoology. By the time he retired, Professor Falls had supervised the research of 20 masters students and 16 doctoral students, and four post-doctoral investigators had been associated with him.

Professor Falls' research focussed on behavioural mechanisms contributing to population regulation and the dispersion and use of resources by wild species. Continuing themes are acoustic communication and territoriality and research has been approached from causal (experimental) and evolutionary perspectives. By the time of his retirement in 1989 he had, with his students, investigated 13 topics in ornithology, seven in mammalogy and one in herpetology. This research had resulted in 58 refereed publications in scientific journals, seven general articles and chapters in books and the co-editorship of one book. Between 1975 and his retirement he presented 44 papers at scientific meetings and from 1973 had given 23 invited lectures at universities.

In 1989 Professor Falls listed his professional affiliations and activities as: associate editorship of the *Canadian Journal of Zoology*, 1982-1987, membership in the American Ornithologists' Union (elective member, 1975, fellow from 1983), American Society of Mammalogists, Animal Behaviour Society, Canadian Society of Zoologists, Cooper Ornithological Society, Deutsche Ornithologen Gesellschaft (corresponding fellow from 1988), Ecological Society of America, International Ornithological Committee (member from 1978, chair of the Scientific Programme Committee of the XIX International Ornithological Congress in Ottawa, 1983-1986), Laboratory of Ornithology, Cornell University (from 1960), Wilson Ornithological Society (council member, 1962-1964), and the Canadian Society of Ornithologists (councillor from 1987).

He also listed his conservation activities as: membership in the Federation of Ontario Naturalists (director, 1946-1974; president 1962-1964; and chairman of Nature Reserves Committee, 1965); scientific advisor to the Ontario Waterfowl Research Foundation, 1960-1968; trustee (from 1962) and chairman (1971-1974) of the Nature Conservancy of Canada; member of the Conservation Council of Ontario (from 1962), Canadian committee of the International Biological Programme (conservation sub-committee member and co-chair of the Ontario panel, 1968-1974), member from 1969 at various dates of the advisory committees of the Ontario Ministry of Natural Resources on nature reserves, Minnesing Swamp and the Backus Tract; honorary director from 1970 and director in 1989 of the Long Point Observatory, director from 1975 of the Owl Rehabilitation Research Foundation, member from 1981 of the Canadian Council on Ecological Areas, member of the management committee (1981-1987) and chair (1983-1987) of the *Atlas of the Breeding Birds of Ontario*, and member of the Ontario Rare Breeding Program (chair of management committee, 1989).

Professor Falls married Elizabeth Ann Holmes in 1952.

He died in Toronto on April 27, 2024.

**James Bruce Falls**

**Scope and content**

Textual, graphic, [193-]-2004, 5.43 metres

Personal records of Bruce Falls, documenting his life as a student and his academic career as a zoologist at the University of Toronto. Included is correspondence, files on professional organizations, on Professor Falls administrative work, his lecture and research notes, drafts of manuscripts and publications, addresses, and photographs.

**Access: Restricted**

Series 3: /007 (13) – (17) and /008 (01) – (06)) are restricted for 30 years or until the death of the donor, whichever is earlier; Series 5 /012, /013 and /014 (01) to (10) are closed for 75 years from latest date of file activity.

All other series are open.

**James Bruce Falls**

**Series 1: Personal and biographical**

Textual, 1955-1992, 0.03 m

This series consists of three files containing biographical information on Professor Falls; his curriculum vitae, with associated notes and lists (1955-1989); and a day calendar for 1986. Other examples of his curriculum vitae are filed with grant applications in box 027.

/001 (01) – (03)

**Series 2: Education**

Textual, 1946-1955, 0.10 m.

The files in this series document some aspects of Professor Falls' undergraduate and graduate education at the University of Toronto and his post-doctoral research at the University of Oxford. In addition to notes on specific courses are ones on Professor J. R. Dymond's lectures on animal sociology, S. Charles Kendrick's guest lectures on ecology, David Putnam's lectures on the regional geography of Canada, and Falls' own research for his doctoral thesis on deer mice. The series concludes with his files on his post-doctoral research, which contain correspondence, journals, notes, selected pamphlets and brochures, and the final research report. Other research files from this period are filed in Series 7.

The arrangement is generally chronological and by name of course or related activity in the undergraduate and graduate programs respectively. The post-doctoral files are arranged by activity and the index cards are arranged alphabetically.

/001	(04) – (16)	Undergraduate and graduate course notes and research	1946-1954
/033	(01)	Computer analysis by Jyri E. Paloheimo of some data in Falls' PhD thesis	1966
/001	(17) – (18),		
/002	(01) – (04)	Post-doctoral studies, Oxford University, 1953-1954	1944-1954
/003		Post-doctoral studies, Oxford University. Index cards with notes on contacts and research	1953-1954

**James Bruce Falls**

**Series 3: Correspondence**

Textual, 1948-1997, 0.65 m.

In this series the researcher will find correspondence, largely but not exclusively of a professional nature, including letters on Professor Falls' teaching, research, writing and getting his work into print. There are also some letters relating to administrative activities at the University of Toronto and others documenting his activities in professional organizations, including some requests for speaking engagements. At the end of the series are a number of files of letters on refereed grant applications and project evaluations, along with letters of reference arranged alphabetically.

Except for the refereed grant applications and letters of reference, the arrangement is chronological and largely has been left in Falls' system of "in" and "out" letters, to which a number of loose items that he had never got around to filing have been added.

**Restricted:** Letters of reference in /007 (13) – (17) and /008 (01) – (06) are restricted for 30 years or until the death of the donor, whichever is earlier.

/002	(05) – (12)	Correspondence (chronological)	1948 – 1961 (in)
/004		Correspondence (chronological)	1961 (out) – 1969 (in)
/005		Correspondence (chronological)	1969 (out) – 1978
/006		Correspondence (chronological)	1979 – 1992
/007	(01) – (05)	Correspondence (chronological)	1993 – 1997
	(06) – (12)	Refereed grant applications and project proposals	1975-1989
	(13)	References for student applications for scholarships	1955-1960
	(14) – (17)	Letters of reference: A – L	1972-1994
/008	(01) – (06)	Letters of reference: Jeff Kopachena, M-W	1972-1996

**Series 4: Professional activities**

Textual, 1951-1993, 0.13 m.

This series is divided into two sections. The first contains files on a few of Professor Falls' professional activities, most of which document his involvement with conferences not found

**James Bruce Falls**

**Series 4: Professional activities**

in other series, especially Series 9: Addresses. The most significant are the International Ornithological Conference held in Basel, Switzerland in 1954, the 11<sup>th</sup> Ontario Ecology and Ethology Colloquium at York University in 1986, and a symposium, “Man and the Environment”, held at Trinity College in 1967. Other files include Falls’ appraisal of the proposed MSc program in biology at Laurentian University (1969), the Research Council of Ontario Advisory Committee on Fisheries and Wildlife (1951-1966), the Rodent Control Committee (1954-1957) and the Terrestrial Vertebrate Ecology Group (1952-1958). The arrangement is alphabetically by name of organization or event.

The second part of the series contains files with correspondence and reports on manuscripts that Professor Falls was frequently asked to review for a variety of journals and book publishers. They are arranged chronologically.

/008	(07) – (19)	Bishop’s University – Symposium: ‘Man and the environment’	1951-1986
	(20) – (26)	Reviews of manuscripts	1973-1986
/009	(01) – (07)	Reviews of manuscripts	1987-1993

**Series 5: University of Toronto – Administration**

Textual, 1948-1995, 0.67 m.

Professor Falls got his first taste of academia when he was hired as a demonstrator in the Department of Zoology in the fall of 1948 at the start of his doctoral studies. This series begins with several files on his employment at the University, including activity reports and memos on courses he taught, and files on his sabbaticals at the University of British Columbia (1973) and University of Oxford (1988). The UBC files include the seminars he gave and material on community ecology workshops. His research files from that sabbatical are in Series 7.

While most of the files Professor Falls assembled in his various capacities as an administrator remained in the Department, a forty-year span (1953-1993, but primarily from 1975 to 1989) of correspondence and memoranda, arranged chronologically, does provide an overview of some of the issues the Department faced. These files are supplemented by others, largely arranged alphabetically by title and containing correspondence, memoranda, notes and reports. They range from several committees on which Falls sat (budget, research and grants, and staff promotion) to the Working Group on the Future of the Faculty of Forestry (1992-1993) and cover such issues as career guidance, staff recruitment and salaries, and access to the CRAY supercomputer. There are extensive files on the environmental zoology proposal for provincial lottery funding in 1976-1977, Douglas Pimlott, the teaching load for undergraduates, and on the Wildlife Research Station in Algonquin Park (Falls was the Department’s representative on its Users’ Committee).



**James Bruce Falls**

**Series 5: University of Toronto – Administration**

The series concludes with files on 39 of Professor Falls’ masters and doctoral students, research fellows and post-doctoral fellows, including his first doctoral student, James Lowther. They contain correspondence (including some letters of reference), memoranda, notes, some research notes, and programmes for thesis defence. The arrangement is alphabetical by surname. The last file contains appraisals of external doctoral students.

**Access:** Restricted. Boxes 012, 013 and 014 (01) to (10) are closed for 75 years from latest date of file activity.

/009	(08) – (18)	Falls’ employment at U of T, including sabbaticals	1948-1994
/010	(01) – (11)	Correspondence and memoranda	1953-1993
	(12) – (15)	Budget committee – Environmental zoology proposal	1967-1980
/011		Douglas Pimlott – Working Group on the Future of the Faculty of Forestry	1966-1993
/012		Falls’ students, etc.: Ash – Jones	1965-1990
/013		Falls’ students, etc.: Jones - Rees	1958-1993
/014	(01) – (10)	Falls’ students, etc.: Savard – Zach; appraisals of external doctoral students	1960-1989 1973-1995

**Series 6: Teaching files and lecture notes**

Textual, 1934-2003 [bulk, 1948-1992], 1.34 m.

Professor Falls kept detailed lecture notes throughout his career, along with supporting course outlines, memoranda, correspondence, notes, test and examination questions, and appraisals of his students work both in the classroom and in field work. For the latter, songagrams are often included in the files on bird songs and field notes are usually present; there are also a few detailed research reports by students. Selected student essays have also been retained.

The arrangement of the files in this series is chronological within each course number as laid out in the ‘Biology’ and ‘Zoology’ sections of the Faculty of Arts (later Arts and Science) calendars and the School of Graduate Studies calendars. The main exceptions are lecture notes that cover broad areas and thus more than one course and lectures delivered by individuals other than Falls himself. Most of the zoology courses relate to some aspect of

**James Bruce Falls**

**Series 6: Teaching files and lecture notes**

ecology. The most thoroughly documented course is ZOO 223 (ecology) which became ZOO 323 (animal ecology) in 1974.

Alpha/numeric courses, ie. 1a to 3z, are general undergraduate courses and single and double digit courses, ie. 4 to 31, are honours courses. With the revamping of the curriculum in the late 1960s a new system of course numbers was introduced, BIO 100, ZOO 200, etc. followed often by letters such as F (fall term), S (spring term), Y (full year) and H (summer course).

For a listing of the contents of this series see Appendix 1.

Boxes /014 (11) – /026 1934 – 1992

**Series 7: Research**

Textual, [193-]-1999, 1.28 m.

The files in this series cover Professor Falls' research activities from the completion of his doctoral thesis forward. The series begins with a list of research projects and files of correspondence, grant applications and research expenses covering the years from the early 1950s to 1999, followed by files on fisheries research that predate Falls' attending university.

Professor Falls' research began in 1948 with his study of deer mice; this introduction to the study of small mammals, birds and snakes that was to occupy him for the ensuing half-century. For the first forty years the subject of most of his grant applications was broadly titled "behaviour and population of terrestrial vertebrates".

After the grant applications and fisheries files are a files dating from the late 1940s on the live trapping of mice, including *microtus* (meadow mice). There are also annual activity experiments and research files, arranged chronologically from 1955 to 1972. Together, these files contain correspondence, research notes, grant applications and research reports. Included is a study on activities and habitat use in a beaver colony. Subsequent research files on small mammals centre on work done at the Wildlife Research Station in Algonquin Park. They encompass the years 1975 to 1994. From the early 1980s, the focus of the research in the files begins to shift to the white-throated sparrow, which Professor Falls had been studying since the 1950s.

The last portion of the series contains files relating largely to Professor Falls' research on birds. Included is research carried out while he was on sabbatical leave, first in Australia in 1964 where he studied the Australian magpie, and again in 1973 at the University of British Columbia where he studied the blue grouse. The files document ongoing research on birds, beginning with the oven bird in the mid-1950s, then the eastern meadowlark, the western meadowlark in conjunction with John Krebs and Peter McGregor of Oxford University and the white-throated sparrow. Included is analysis of bird song done using the Cray computer

James Bruce Falls

Series 7: Research

at the University of Toronto. The emphasis in these studies was on bird song and territory. A survey of bird populations in Metropolitan Toronto was also carried out in 1974-1975. These files contain correspondence, research notes, sonagrams, computer files, and research reports. Most of the computer files are found in box 033.

/027	(01)	Research project list	1949-1964
	(02) – (20)	Grant applications and research expenses	[195-] -1999
	(21)	Research : 'Behaviour and population of terrestrial vertebrates' – U of T animal care protocols	1977-1988
	(22) – (23)	Fish; fisheries in eastern Ontario	[193-] – 1941
	(24) – (25)	Forest lands in Algonquin Park; live trapping of mice	1948-1952
/028	(01) – (03)	Trapping <i>microtus</i> (meadow mice)	1955
	(04) – (20)	Small mammals research – grant applications and research reports	1955-1967
/029	(01) – (05)	Small mammals research – grant applications and research reports	1967-1972
	(06) – (16)	Wildlife Research Station, Algonquin Park : research on populations of small mammals	1975-1994
/030	(01) – (03)	Files on equipment and permits for capturing of migratory birds	1969-1994
	(04)	Research on Australian magpie, 1964	1963-1964
	(05) – (07)	Notes on bird song (including ovenbird)	1956-1993
	(08) – (10)	Blue grouse research, UBC	1972-1973
/033	(02)	Blue grouse research, UBC	1972
/030	(11)	Wildlife study (bird population), Metropolitan Toronto	1974-1975
	(12) – (22)	Notes on bird song, eastern and, especially, western meadowlark	1962-1990
/031	(01) – (15)	Bird song – eastern and western meadowlark	1976-1989
	(16)	Bird song dialects and repertoires – Centre for Large Scale Computation at the U of T (Cray computer)	1987-1991
	(17) – (21)	White-throated sparrow	1977-1989
/032	(01) – (03)	White-throated sparrow	1987-1994
/033	(03)	White-throated sparrow song and habitat, Algonquin Park, 1983 : Cindy and Gillian's computer analysis	1983-1984
	(04)	White-throated sparrow song frequencies in relation to habitat – computer printouts	1987

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**Series 8: Manuscripts and publications**

Textual, 1948-1996, 0.33 m.

The manuscripts and publications in this series constitute only a portion of Professor Falls' prodigious output but they do provide the researcher with a good idea of its range and depth, especially when considered with the files in Series 7. The files contain drafts of manuscripts in most cases, with covering correspondence and reviewers' appraisals in many cases, and some offprints. There are also some research and other notes present. The appraisers' reports underline the difficulties that even seasoned and highly respected academics can face in attempting to find a publisher for their research.

The arrangement of this series is chronological, beginning with a research report Professor Falls wrote in 1949, based on research carried out in the summer of 1948 following the completion of his undergraduate studies. The series ends with a manuscript from 1996 that was published two years later.

Additional correspondence relating to the above manuscripts can be found in Series 2.

For a listing of the titles in this series see Appendix 2.

/032	(04) – (19)	Manuscripts and publications, 1949-1975	1948-1975
/034		Manuscripts and publications, 1976-1984	1965-1984
/035	(01) – (25)	Manuscripts and publications, 1984-1998	1982-1996

**Series 9: Addresses**

Textual, [195-]-2004, 0.29 m.

Professor Falls was much sought after as a speaker, both at academic conferences and other functions and by the general public. He was very obliging so over the course of more than fifty years he gave a large number of talks. Some of them are included in this series. The arrangement is chronological, and the files contain, in addition to the addresses themselves, notes, correspondence, and some background material.

The talks Professor Falls gave ranged across the spectrum of his research. Though he gave a number on small mammals, his most popular ones were on bird songs (see box 036(25)), for example] but not only to the general public. He gave a number of papers on his research on the western and eastern meadowlarks and the white-throated sparrow, in particular, at conferences ranging from those of the American Ornithologists Union and the International Ornithologists Committee (he chaired the scientific program of 19<sup>th</sup> congress of the latter in Ottawa in 1986 but also gave papers at Oxford, Berlin and Moscow) to the Wilson Ornithological Society. He was in close contact with many universities who invited him to

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**Series 9: Addresses**

give lectures, seminars and participate in field studies. Amongst these were the University of British Columbia, where he gave several seminars on birds in 1973, Rutgers University, Rockefeller University, Cornell, and the University of Wisconsin (1986). But he also was available for less formal presentations to students, especially at the University of Toronto, where he gave talks to student clubs and through the Division of University Extension, and across southern Ontario.

/035	(27) – (37)	Addresses	[195-] – 1960
/036		Addresses	1961 – 1979
/037		Addresses	1980 – 2004
/033	(05)	Outline for address at the International Ornithologists Congress, Moscow, USSR, 1982	1982

**Series 10: Photographs**

The small number of photographs from this accession is described below. They are all black-and-white images and most were found loose amongst the textual records.

/001P	(01)	Promotional photographs of E. Bruce Falls. Photographer: Department of Zoology photo lab	n.d
/001P	(02)	Group pictures of the Department of Zoology faculty, staff, and graduate students taken at entrance to Ramsay Wright Zoological Laboratories	[197-]
/001P	(03)	Humorous photograph of Room 426 in the Ramsay Wright Zoological Laboratories, titled 'Financial crisis, U. of T., 1973'	1973
/001P	(04)	Photographs of display at Zoology on Wildlife and Fisheries, collected for Converstizione, 1948	1948
/001P	(05)	Group photo of students who attended a special biology course at Ontario Forest Technical School, Dorset Ontario	1967
/001P	(06)	Photographs of professor Coventry collected for his obituary	1933-1971

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**Series 11: International Teach-in Committee of the University of Toronto**

Textual, 1965-1968, 0.39 m.

Files relating to the organization of three international teach-ins by the International Teach-in Committee of the University of Toronto: "China: Co-existence or Containment" (2nd : 1966), "Religion and International Affairs" (3rd : 1967) and "Exploding Humanity - the crisis in numbers" ( 4th : 1968), Professor Falls was the general chair of the 1968 Committee.

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Appendix 1: Series 6: Teaching files and lecture notes

/Box	(file)	Description	Date(s)
/014	(11)	Division of University Extension. Proposed field course in biology, Trinidad and Tobago, summer 1972	1971
	(12)	Field work, honours biology, 3 <sup>rd</sup> and 4 <sup>th</sup> year	1957-1958
	(13) – (20)	BIO 110Y The nature of living organisms	1979-1989
	(21)	BIO 150 Organisms in their environment	1989-1990
	(22)	BIO 233 Introductory ecology : human populations	1974-1992
	(23)	BIO 233 Introductory ecology	1977-1978
/015	(01) – (10)	BIO 233 Introductory ecology	1981-1989
	(11) – (13)	BIO 300F and H Terrestrial and freshwater biology	1975-1976,
			1983,
			1986-1987
	(14)	BIO 490 Field course	1968
	(15)	BOT 230 Introductory plant ecology	1976-1977
	(16)	BOT 331Y Experimental and quantitative plant ecology	1976-1977
	(17)	Course outline on ecology by Pierre Dansereau, Department of Botany, University of Michigan	ca 1951
	(18)	Physiology 3y	1960-1961
	(19) – (20)	ZOO 2b Lecture course on the history of zoology	1957-1959
	(21) – (27)	ZOO 3a Genetics and evolution	1949-1959
	(28) – (29)	ZOO 3i General ecology	1963-1964
/016	(01)	ZOO 3m Animal geography	1963-1964
	(02) – (13)	ZOO 3z Lecture and laboratory course dealing with natural communities, especially factors affecting the distribution of animals and their numbers.	[1950s] -
			1964
	(14)	ZOO 4c Field course...plant and animal communities	1961-1962
	(15) – (16)	ZOO 4m Animal ecology : animal ecology for resource management	1963-1964
	(17) – (18)	ZOO 11 Field Zoology	1949-1950
	(19)	ZOO 11 Field Zoology Field course at Frost Centre, Dorset, Ontario	1950-1986
	(20) – (21)	ZOO 11 Field Zoology	1950-1952
/017	(01) – (07)	ZOO 11 Field Zoology	1951-1960
	(08) – (12)	ZOO 13 Course of lectures on principles of animal sociology, genetics and evolution, and neurology	[195-] -
			1961
	(13) – (14)	ZOO 15 Advanced field zoology	1948-1950
	(15)	ZOO 25 Laboratory course on classification and natural history of animals	pre 1955
	(16) – (20)	ZOO 28 Animal geography. Miscellaneous notes, notes on “mammals of the world”, notes	1934-1952

James Bruce Falls

Appendix 1: Series 6: Teaching files and lecture notes

<b>/Box</b>	<b>(file)</b>	<b>Description</b>	<b>Date(s)</b>
/018	(01) – (18)	ZOO 28 Animal geography	1947-1967
	(19)	ZOO 30 Animal ecology. Bionomic seminars	1948-1949
	(20) – (21)	ZOO 30 Animal ecology	1949-1953
	(22)	ZOO 30 Animal ecology. Lectures by Miklos D. F. Udvardy, with notes	1951-1952
/019	(01) – (19)	ZOO 30 Animal ecology	1950-1963
	(20)	Faculty of Forestry. Course 36 Animal ecology	1961-1962
	(21)	Faculty of Forestry. Course 551 Animal ecology, diploma course in resource management	1965-1970
	(22)	ZOO 100 Principles of zoology	1967-1968
	(23)	ZOO 200Y Aspects of human biology	1991-1992
	(24)	Outline for lectures in ecology	[196- ?]
	(25) – (28)	ZOO 223 Ecology	1969-1971
/020	(01) – (16)	ZOO 223 Ecology	1971-1975
	(17)	ZOO 311 Ecology	1965-1966
	(18) – (20)	ZOO 223/323 Ecology/Animal ecology : population, II - IV	1963-1978
	(21)	Lectures on ecology given to classes other than JBF's own	1961-1971
/021	(01) – (12)	ZOO 223/323 Ecology/Animal ecology : population, V - VIII, X - XVI	1963-1980
	(13) – (15)	ZOO 323 Animal ecology	1974-1975
/022		ZOO 323 Animal ecology	1974-1978
/023		ZOO 323 Animal ecology	1978-1982
/024		ZOO 323 Animal ecology	1982-1988
/025	(01) – (12)	ZOO 323 Animal ecology	1988-1992
	(13)	Lectures on bird song to U of T classes other than JBF's own	1986, 2003
/026	(01) – (06)	ZOO 327/BOT 320	1964-1970
	(07) – (09)	ZOO 328	1967-1969
	(10)	ZOO 434 (formerly ZOO 488) Animal ecology	1969-1970
	(11) – (32)	ZOO 472 Behavioural ecology	ca. 1969-1989
	(33) – (37)	ZOO 488 Animal ecology	1964-1969
	(38)	ZOO 498Y Project in Zoology	1986-1987



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Appendix 1: Series 6: Teaching files and lecture notes

/Box	(file)	Description	Date(s)
/026	(39) – (41)	School of Graduate Studies. Zoology. Reports by students	1954-1957
	(42)	Faculty of Medicine. Zoology, 2 <sup>nd</sup> pre-medical year	1959-1960

## James Bruce Falls

## Appendix 2: Series 8: Manuscripts and publications

/Box	(file)	Description	Date(s)
/032	(05)	<i>Report to the Research Council of Ontario on a preliminary study of physical factors in the development of small forest mammals carried out during the summer of 1948.</i>	1948
	(06)	'The natural control of animal population', a report on the XII Symposium on Quantitative Biology, Cold Spring Harbour, N.Y., 1957	1957
	(07)	Lowther, James K. and J. Bruce Falls. 'Nest-site selection by the white-throated sparrow, <i>Zonotrichia albicollis</i> .' Unpublished	1960?
	(08)	J. Bruce Falls. 'Properties of bird song eliciting responses from territorial males,' reprinted from <i>The proceedings, XIIIth International Ornithological Congress, 1963</i> , 259-271	1963
	(09)	Soper, J. H. and J. B. Falls. 'An outline of the vegetation and fauna of Ontario,' in <i>A naturalist's guide to Ontario</i> , ed. by W. W. Judd and J. M. Speirs. University of Toronto Press, 1964, 21-36. Typescript	1964?
	(10)	Kott, Edward and J. B. Falls. 'Factors affecting meadow mouse populations'. Unpublished	1965
	(11)	"The importance of nature reserves", Wildness : a panel discussion', from <i>A conference on parks and outdoor recreation convened by the Conservation Council of Ontario, April 1967</i> , 101-104, 106-107, 109-110	1967
	(12)	'The human population explosion,' B.C. Teachers' Federation of Lesson Aids Service, No. 2098, 1968	1968
	(13)	Featherstone, John and J. Bruce Falls. 'Effects of food supply on the utilized territory of the ovenbird, <i>Seiurus aurocapillus</i> .' Unpublished	1969?
	(14)	'Functions of territorial song in the white-throated sparrow,' in <i>Bird vocalizations, their relation to current problems in biology and psychology</i> , ed. R. A. Hinde. Cambridge University Press, 1969, 207-232	1967-1969
	(15)	Falls, J. Bruce, P. H. R. James and M. H. A. Keenleyside. 'Behavioural biology,' Panel No. 12, <i>A study of basic biology in Canada</i> . Ottawa: Biological Council of Canada and Canadian Federation of Biological Societies, March 1969	1969
	(16)	Harcus, John L. and J. Bruce Falls. 'Catbird'. Unpublished	1975
	(17)	'Individual recognition by song in white-throated sparrows. II. Effects of location.'	1975

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/Box	(file)	Description	Date(s)
/032	(18)	Falls, J. Bruce and John R. Krebs. 'Sequence of songs in repertoires of western meadowlarks ( <i>Sturnella neglecta</i> )'. Research notes and correspondence re	1973-1975
	(19)	Zach, Reto and J. Bruce Falls. 'Ovenbirds foraging in a patchy food supply'. Unpublished (?)	[197-]
/034	(01)	Zach, Reto and J. Bruce Falls. 'Ovenbirds hunting in a patchy environment : expectations of food supply'. Unpublished (?)	[197-]
	(02)	Zach, Reto and J. Bruce Falls. 'Ovenbird ( <i>Aves: Parulidae</i> ) hunting behaviour in a patchy environment: an experimental study,' <i>Canadian Journal of Zoology</i> , 54, 11 (1976) 1863-1979	1976
	(03)	Paper on eastern and western meadowlarks in Ontario. Unpublished	1965-1978
	(04)	Zach, Reto and J. Bruce Falls. 'Bivariate normal song territories in ovenbirds,' <i>Canadian Journal of Zoology</i> , 56, 10 (1978) 2088-2092	1978-1979
	(05)	Zach, Reto and J. Bruce Falls. 'Prey selection by captive ovenbirds ( <i>Aves: Parulidae</i> ),' <i>Journal of Animal Ecology</i> , 47 (1978) 929-943	1977-1978
	(06)	Zach, Reto and J. Bruce Falls. 'Foraging and territoriality of male ovenbirds ( <i>Aves: Parulidae</i> ) in a heterogeneous habitat,' <i>Journal of Animal Ecology</i> ,	1977-1978
	(07) – (08)	Falls, J. Bruce and Martin K. McNicholl, 'Neighbour-stranger discrimination by song in male blue grouse,' <i>Canadian Journal of Zoology</i> , 57 (1979) 457-462	1977-1978
	(09)	'Colour phases of the white-throated sparrow,' <i>Toronto Field Naturalists' Club Newsletter</i> (1979)	1979
	(10)	'Douglas Pimlott: lessons for action,' <i>Nature Canada</i> , 8, 2 (June 1979), 19-23	1979
	(11)	Cox, S. Merridy and J. Bruce Falls. 'Variations in summer activity of the eastern chipmunk, <i>Tamias striatus</i> .' Typescript; not accepted for publication	1980
	(12)	Savard, Jean-Pierre L. and J. Bruce Falls. 'Influence of habitat structure on the nesting height of birds in urban areas,' <i>Canadian Journal of Zoology</i> , 59 (1981) 924-932	1980
	(13)	Falls, J. Bruce and Lorraine G. d'Agincourt. 'A comparison of neighbour-stranger discrimination in eastern and western meadowlarks,' <i>Canadian Journal of Zoology</i> , 59 (1981) 2380-2385	1981

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/Box	(file)	Description	Date(s)
/034	(14) – (15)	'Individual recognition by sound in birds,' in <i>Acoustic communications in birds</i> . Edited by D. Kroodsma and E. Miller. New York: Academic Press, 1982. Volume 2, 237-278	n.d. - 1980
	(16)	Knapton, Richard W. and J. Bruce Falls. 'Polymorphism in the white-throated sparrow: habitat occupancy and nest-site selection,' <i>Canadian Journal of Zoology</i> , 60, 3 (1982) 452-459	1982
	(17)	Melemis, Stephen M. and J. Bruce Falls. 'The defense function: a measure of territorial behaviour,' <i>Canadian Journal of Zoology</i> , 60, 3 (1982) 495-501	1980-1981
	(18)	'Song matching in western meadowlarks,' University of Manitoba Field Station Delta Marsh, <i>Annual Report</i> , 17 (1982) 24-29	1982-1983
	(19)	d'Agincourt, Lorraine and J. Bruce Falls. 'Variation of repertoire use in the eastern meadowlark, <i>Sturnella magna</i> ,' <i>Canadian Journal of Zoology</i> , 61 (1983) 1086-1093	1982
	(20)	'Re-evaluation of morph-specific variations in parental behaviour of the white-throated sparrow,' <i>Wilson Bulletin</i> ,	1983 (?)
	(21)	Melemis, Steven M. and J. Bruce Falls. "A model of territory density". Not published	1984
/035	(01)	'The Wildlife Research Station in Algonquin Park,' <i>Bulletin of the Canadian Society of Zoologists</i> , 15, 2 (1984), 8-9	1984
	(02)	Cosens, Susan E. and J. Bruce Falls. "Temporal variation in advertising behaviour of western meadowlarks, red-winged blackbirds, and yellow-headed blackbirds: a test of the time window hypothesis." Submitted to <i>Auk</i> , April 1984	1984
	(03) – (04)	'Song matching in western meadowlarks.' Submitted to <i>Canadian Journal of Zoology</i> , August 1984	1982-1984
	(05)	Savard, Jean-Pierre L. and J. Bruce Falls. "Transect results and the size of the breeding bird population in urban residential areas in Toronto." Submitted to <i>Canadian Journal of Zoology</i> , October 1984	1984
	(06)	Waas, Joseph R. and J. Bruce Falls. "Song pitch-habitat relationships in the white-throated sparrow." 1985	1983-1985
	(07)	Jones, James G. and J. Bruce Falls. "Territorial intrusions in white-throated sparrows," XIX International Ornithological Congress, Ottawa, 1986	1986

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/Box	(file)	Description	Date(s)
/035	(08)	Contribution to <i>The biogeography of the island region of western Lake Erie</i> . Columbus, Ohio: Ohio State University Press, 1987	1987
	(09)	'Does song deter territorial intrusion in white-throated sparrows ( <i>Zonotrichia albicollis</i> )?', <i>Canadian Journal of Zoology</i> , 66, 1 (January 1988) 206-211	1987
	(10)	Horn, Andrew G. and J. Bruce Falls. 'Responses of western meadowlarks, <i>Sturnella neglecta</i> , to song repetition and contrast,' <i>Animal Behaviour</i> , 36, 1 (February 1988), 291-293	1987
	(11)	Lynch, Alexjandro, D. Bartholomew Brown, Allan J. Barker, and J. Bruce Falls. "Role of biased copying in the formation of songbird dialects: a supercomputer simulation.' Submitted to <i>Nature</i> , February 1988	1988
	(12)	Ydenberg, Ron, Luc-Alain Giraldeau and J. Bruce Falls. 'Neighbours, strangers, and the asymmetric war of attrition,' <i>Animal Behaviour</i> , 36, 2 (April 1988) 343-347	1986-1987
	(13)	Melemis, Steven M. and J. Bruce Falls. 'A model of territorial density.' Typescript	1989
	(14)	Jones, Ian L., J. Bruce Falls and Anthony J. Gaston. 'The vocal repertoire of the ancient murrelet ( <i>Synthliboramphus antiquus</i> ),' <i>The Condor</i> , 91, 3 (August 1989) 699-710	1989
	(15)	Falls, J. Bruce, Thomas E. Dickinson and J. R. Krebs. 'Contrast between successive songs affects the response of eastern meadowlarks to playback,' <i>Animal Behaviour</i> , 39, 4 (April 1990) 717-728	1989
	(16)	Whillans, K. V. and J. Bruce Falls, 'Effects of male removal on parental care of female white-throated sparrows, <i>Zonotrichia albicollis</i> ,' <i>Animal Behaviour</i> , 39, 5 (May 1990) 869-878	1989
	(17)	Kopachena, Jeffrey G., Fred Cooke and J. Bruce Falls. 'Behavioural interactions during pair formation in the white-throated sparrow: implications for negative assortative mating and the maintenance of polymorphism'. 1 <sup>st</sup> draft	1992 ?
	(18)	Kopachena, Jeffrey G. and J. Bruce Falls. 'Differential parental and territorial performance in the polymorphic white-throated sparrow ( <i>Zonotrichia albicollis</i> ): a hypothesis on the adaptive value of negative assortative mating'.	1993

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/Box	(file)	Description	Date(s)
/035	(19)	Weary, Daniel M., J. Bruce Falls, Peter K. McGregor and Andrew G. Horn. 'Song matching in great tits: song type categories from the bird's perspective'.	1990-1994
	(20)	Kopachena, J. G., M. Wing, H. Zhang, K. M. Robinson, F. Cooke, J. B. Falls, and J. J. A. Holden. 'Characterization of a chromosomal polymorphism with phenotypic effect in the white-throated sparrow ( <i>Zonotrichia albicollis</i> )'. Submitted to <i>Genome</i>	1994
	(21)	Houtman, Anne M. and J. Bruce Falls. 'Negative assortative mating in the white-throated sparrow: the role of mate choice and intrasexual competition.'	1994
	(22)	Falls, J. Bruce, Andrew G. Horn and Daniel M. Weary. 'Responses of great tits to variation in sequences of songs'.	1994
	(23)	DeVoogd, Timothy J., Anne M. Houtman and J. Bruce Falls. 'White-throated sparrow morphs that differ in song production rate also differ in the anatomy of some song-related brain areas,' <i>Journal of Neurobiology</i> , 28, 2 (October 1995) 202-213	1994-1995
	(24)	Horn, Andrew G. and J. Bruce Falls. 'Categorization and the design of signals: the case of song repertoires'.	1995 ?
	(25)	Horn, Andrew G., J. Bruce Falls and Peter K. McGregor. 'Field experiments on song categorization by great tits ( <i>Parus major</i> ).' 1995	1995-1996
	(25)	Fryxwell, John M., J. Bruce Falls, E. Ann Falls, and Ronald J. Brooks. 'Long-term dynamics of small mammal populations in Ontario,' <i>Ecology</i> , 29, 1 (January 1998) 213-225	1995-1996