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FRONT COVER DESCRIPTION

Page from Milne's Visitors' Book showing signature of Prince Boris Galitzin on July 9, 1910

BRITISH GEOLOGICAL SURVEY

Global Seismology & Geomagnetism Group

TECHNICAL REPORT WL/99/17

SCIENTIFIC VISITORS TO JOHN MILNE'S OBSERVATORY AT SHIDE, ISLE OF WIGHT

J.H. Lovell

March 1999

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CONTENTS

Abstract	1
1. Introduction	1
2. Milne's work and visitors' book	
3. Conclusions	
4. Acknowledgements	
5. References	
	··········· ·
Appendix	

SCIENTIFIC VISITORS TO JOHN MILNE'S OBSERVATORY

AT SHIDE, ISLE OF WIGHT

Abstract

John Milne's Visitors' Book is a record of about 2000 visitors received at his observatory at Shide, Isle of Wight between 1895 and 1919, and by the Oxford Observatory until 1931 after Milne's work was transferred there in 1919. As part of studies currently being undertaken of the history of seismology in the UK, an abstract has been prepared of those visitors with known and probable scientific associations, and of several other notable visitors. It is presented as a testament to Milne's scientific and personal appeal, and in the hope of discovering lost archival material.

Introduction

On his return to England from Japan in 1895, John Milne operated a seismograph station at his home, Shide Hill House, just outside Newport on the Isle of Wight. After his death in 1913, Milne's assistants ran the Shide observatory until 1918 under the supervision of the Professor of Astronomy at Oxford University, HH Turner. In 1919 all operations were finally transferred to Oxford, and Milne's property was auctioned in September of that year. His library was eventually housed in the Science Museum, London, where it is now being catalogued. Among this material is Milne's Visitors' Book. The first entry is for May 11th 1901, although some earlier visitors had entries made retrospectively in Milne's hand, and the last entries at Shide were made in 1919. After this date the book was transferred to Oxford and used until 1931, but with only a few signatories. From this book it is clear that Milne's scientific and personal popularity were such that he attracted to his observatory not only seismologists from all over the world and interested laymen, but also scientists from many other disciplines, locals, learned societies, civic dignitaries and Royalty. FE Norris, proprietor of the Guildford seismograph station, acknowledged Milne's influence, and wrote (Norris 1913) after Milne's death 'He was typical of the true spirit of Scientific Research – giving the results of his labours for the good of men, giving his experience and ideas to the scores of workers who came to him'.

The National Seismological Archive (NSA) is maintained by the British Geological Survey (BGS) in Edinburgh. It is supported by a group of organisations under the chairmanship of the Department of the Environment, Transport and the Regions (DETR), (formerly the Department of the Environment (DoE)), with major financial input from the Natural Environment Research Council (NERC). The NSA is the United Kingdom national repository for seismologically related material. It contains a wide range of original seismograms, bulletins, reports, and reference material from all over the world dating from the late 1800s onwards, and held in a variety of media.

In order to improve understanding of the historical data available, and in the hope of discovering lost archival material, studies are being undertaken of the history of seismology in the UK, for example Lovell & Henni (1998). It is in the scope of these studies that this report on Milne's scientific visitors is presented.

2. Milne's work and visitors' book

John Milne's Visitors' Book, the original of which is held with the Milne Library in the Science Museum, London, is a substantial document containing 130 pages and upwards of 1850 entries. It represents nearly 40 years' use, firstly at Shide between 1895 and 1919 and afterwards at Oxford until 1931. It is probably safe to assume that not all visitors signed the book, and that it was ignored by frequent visitors like WH Bullock (a local builder and amateur seismologist), so the total number of visitors possibly exceeds 2000. The majority of entries reflect visits made by the general public, and local associations and clubs. Many visited on numerous occasions. Milne was always pleased to welcome visitors, and delighted in demonstrating the effects of even the slightest movement on his seismographs. Photographs taken on the lawn at Shide commemorate some of these visits.

A copy of Milne's Visitors' Book was kindly lent to BGS by Mr. L. Herbert-Gustar of the Isle of Wight, co-author with PA Nott of 'John Milne, Father of Modern Seismology' (Herbert-Gustar & Nott 1980). From this copy the author has extracted the names of known signatories with scientific affiliations. They are presented as the Appendix to this report. Where possible their affiliations are stated. Others who were probably scientists have been included in the hope that they will be recognised.

About 200 signatories appear as the Appendix to this report. Many have been recognised as Milne's co-workers, professional colleagues, the operators of seismograph stations both in the UK and world-wide, scientists in other disciplines, for example, various astronomers (including some Astronomers Royal), representatives of scientific instrument manufacturers, and student parties.

As would be expected, many visitors from Japan appear. Some were Milne's co-workers in Japan like John Perry, although notable absentees are WK Burton, with whom Milne wrote 'The Great Japan Earthquake of 1891', and Prof. JA Ewing, inventor of various seismoscopes bearing his name. Others are known seismologists, like Omori who visited several times. Milne's Japanese assistant, Shinobu Hirota, is given special mention in Milne's handwriting, and is noted as having arrived at Shide on 30 July 1895 and left on 16 December 1912. Hirota died shortly afterwards in Tokyo. As tourism in those days was not as widespread as it is today, it is assumed that most of the other Japanese visitors were scientific so their names have been included in the hope that their affiliations will ultimately be revealed. The same argument has been applied to visitors from Europe and America in cases where affiliations and professions have remained undiscovered. Those giving a university address are thought to have had a professional interest.

By about 1910, Milne's seismograph network extended world-wide, and consisted of about 50 stations, most using his boom seismograph (Lovell & Henni 1998). He also seems to have visited some of these stations, and has photographs of many of them in an album held with his library at the Science Museum. Many of the operators of foreign seismograph stations visited Milne and signed his Visitors' Book, for example those from Accra, Batavia, Mauritius, and Helwan. Many amateur and professional operators of British stations also came, including JJ Shaw of West Bromwich, FA Bellamy of Oxford, and observatory staff from Kew, Eskdalemuir and Durham. EW Pollard, later an amateur seismologist in his own right, is known to have been an associate of Milne at the turn of the century, although his name does not appear in the book until 1915. Boris Galitzin, the celebrated Russian seismologist, visited Milne in

July 1910, after having personally supervised the installation of two horizontal Galitzin instruments at Eskdalemuir Observatory.

At times, parties of visitors like photographic and naturalists' societies were entertained at Shide. In 1911, the British Association for the Advancement of Science held its annual meeting in Portsmouth, and a large group travelled to Shide. Among this group was Tempest Anderson, the York volcanologist and photographic pioneer. Anderson's large negative collection is held in the Yorkshire Museum, York, and it is possible that he and Milne exchanged images of geological subjects. It is also probable that Milne exchanged ideas and images with Alfred Lacroix, the French geologist and volcanologist whose signature appears on 19 September 1907.

The Visitors' Book was not used regularly for some months after Milne's death in July 1913, and until May 1914 dates were approximate and entered in retrospect. During that time, visitors were chiefly seismological, and included JJ Shaw, J and SB Round of Birmingham who were possibly associates of Shaw, and many of the operators of British seismograph stations including JE Crombie of Aberdeen, Lewis Richardson of Eskdalemuir and FE Norris of Guildford. Evidently this represents attempts to continue Milne's work.

In addition to scientific visitors, many other notables added their names to the Visitors' Book, and they have been included for interest and as an illustration of Milne's reputation. For example, in 1902 Peter Kropotkin, a Russian noble and explorer signed. He had explored the same parts of eastern Asia through which Milne journeyed in 1875 while on his way to Japan. Edward, Prince of Wales, later King Edward VII, made a visit in 1909 while he was at the Navy College on the Island, and many more military visitors are recorded. Captain RF Scott (Scott of the Antarctic), who used one of Milne's instruments on his 1902-1904 expedition to the Antarctic, visited Milne in 1906 and was photographed on the Shide terrace. Scott's seismograph was later installed at Stonyhurst College in 1908 (Lovell & Henni 1998) and used until 1924.

3. Conclusions

The large number of visitors received by John Milne at Shide is a testament to his scientific influence, popularity and energy. Many of the visitors were scientists, and their names have been abstracted from the Visitors' Book and presented in the Appendix to this report. The Appendix has been made as complete as possible, and the author would be pleased to receive feedback from readers of this report in order that additional details may be added.

4. Acknowledgements

The author is indebted to Drs DR Barraclough, JR Evans and RMW Musson, all of the BGS, for additional information on the Visitors' Book signatories and their affiliations. A DETR-led Customer Group supports the continuing study of archival material. This report is published with the permission of the Director of the British Geological Survey (NERC).

5. References

Herbert-Gustar, L.K. & Nott, P.A., 1980. *John Milne, father of modern seismology*. Paul Norbury, Tenterden, Kent.

Lovell, J.H. & Henni, P.H.O., 1998. UK Historical Seismological Observatories (pre-1970), *British Geological Survey, Global Seismology and Geomagnetism Group*, **Technical Report WL/98/11**.

Norris, F.E., 1913. Fourth Annual Report of the Seismograph Station at Woodbridge Hill, Guildford, printed at the Observatory and by Curtis, Guildford.

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks
before 1901	undated		Symons	G I, FRS		
before 1901	undated		Darwin	Prof G H	Cambridge	Relative of Charles Darwin
before 1901			Darwin	Hiram	Cambridge	Relative of Charles Darwin
before 1901			Oldham	R W	Geological Survey of India	Worked with Milne on Indian earthquakes
before 1901			Perry	Prof John, FRS	London	Friend of Milne
before 1901			Meldola	Prof R, FRS	London	Chemistry professor, wrote paper on 1884 Colchester earthquake with White
before 1901			Turner	Prof H H, FRS	Oxford (Prof of Astronomy)	Took over Shide on Milne's death, supervised Oxford observatory
before 1901			Figu	Dr S	Batavia	Director of the Batavia observatory
before 1901			Claxton	TF	Royal Alfred Observatory, Mauritius	,
before 1901			Reid	Prof	Johns Hopkins Uni, Baltimore, USA	Prof. H F Reid, American seismologist
					, , , , , , , , , , , , , , , , , , , ,	
1901	11-May		James	JM	Tokyo, Japan	
1901	18-May		Conder	Josiah	Tokyo, Japan	
	,				7 7	
1902	11-Apr		Kropotkin	Prince Peter & daughter Sasha	Kent	Russian noble & explorer, journeyed in same areas as Milne
1902	14-Apr	14-Apr	Turner	НН	Oxford	Prof of Astronomy
1902	14-Apr	14-Apr	Turner	Daisy	Oxford	
1902	24-Apr		Reutiers	John B	Japan	
1902	03-May		Otani	Kozui	Hongwanji, Kyoto	
1902	03-May		Fujii	Sensuyo	Hongwanji, Kyoto	
1902	03-May		Watanabe	Tebushin	Hongwanji, Kyoto	Japanese seismologist
1902	03-May		Inonije	Koyen	Hongwanji, Kyoto	
1902	20-Jul		Hori	Masuo	Hongwanji, Kyoto	
1902	24-Jul		Shintai	Matsubara	Hongwanji, Kyoto	
1902	24-Jul		Creak	Ettrick W	Blackheath	Superintendent, Admiralty Compass Dept.
1902	25-Jul		Fujii	Sensuyo	Hongwanji, Kyoto	
1902	22-Sep		Reid	Harry Fielding	Baltimore, USA	Prof. H F Reid, American seismologist
1902	01-Oct		Nauman	Dr Edmund	Z fur Bergwasen, Frankfurt am Main	German academic
1903	05-Jan		Plackett	W C	Durham	
1903	14-Feb		Nishi	K	Hokkaido Yubori Mine	
1903	16-Apr		Smith	C Michie	Kodiakanal, India	Perhaps associated with seismological observatory at Kodiakanal
1903	11-Mar		Ball	Robert S	Cambridge	Royal Astronomer for Ireland 1874-92, President of RAS 1897-99
1903	18-May		Shima	Takejiro	Imperial Govt. Railway of Japan, Tokyo	Milne performed many vibration experiments for Japanese railway companies
1903	04-Aug		Stanley	F	Hilger's works, London	Makers of scientific instruments
1903	04-Oct		Munro	R W	Granville Place, London	Munro of London built Milne booms and other scientific instruments
1903	04-Oct		Munro	RC	Holford Sq, London	
1903	09-Oct		Henson	ΗV	Nagasaki, Japan	
1904	03-Apr		Burgess	J Howard	Newport	Isle of Wight printer, made some modifications to Milne's seismograph

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks
1904	25-Apr		Niven	GC	Otaru, Japan	
1904	28-May		Niven	Jeanne	Otaru, Japan	
1904	28-May		Pierson	lda G	Asahigawa, Hokkaido	
1904	28-May		Pierson	Geo P	Asahigawa, Hokkaido	
1904	02-Jun		Paulsen	Adam	Copenhagen	
1904	05-Jul		Brauner	Buhuslav, DSc	University of Prague	
1904	12-Jul		Rosse	Lord	Birr Castle, King's Co., Ireland	Sir Laurence Carsons, 4th Earl of Rosse, astronomer
1904	18-Jul		Diosy	Arthur	Japan	
1904	07-Aug		Wa	Fung Chi	Hong Kong	
1905	24-Apr		Oldham	RW	9 Pall Mall	Geol. Survey of India
1905	30-Apr		Knott	Cargill G	University of Edinburgh	An early experimenter with pendula
1905	13-May		Bigourdan	G	Observatoire Paris	Member of International Seismological Commission set up in 1901
1905	05-Jun		Thoroddsen	Thorvaldur	University of Copenhagen	Member of International Seismological Commission set up in 1901
1905	05-Jun		Thoroddsen	Thora	University of Copenhagen	
1905	23-Jun		Greve	Ernesto	Astronomical Observatory, Santiago, Chile	Probably the San Calixto Observatory
1905	07-Jul		Brewster	W	Boston, USA (2nd time)	Probable connection with Carnegie Institution, Washington
1906	14-Mar		Kevan	Saml	Old Frensham Hall, Haslemere	Operator of Haslemere observatory
1906	14-Apr		Scott	Robt F	Chelsea	Scott of the Antarctic, took a Milne boom on 1902-1904 expedition
1906	29-Apr		Blackett	W C & G E	Durham	
1906	16-May		Hants. Field Club			50 or 80 members
1906	17-May		Fagan	CE	British Museum	
1906	23-Jun		James	J M	Shimazawa, Japan	
1906	23-Jun		Fujioka	J	Tokio, Japan	
1906	23-Jun		Fujioka	K	Tokio, Japan	
1906	10-Aug		Inazuka	K	Tokio, Japan	
1906	10-Aug		Kondo	Toraforo	Home Ministry, Tokio	
1906	19-Aug		James	J M	Shimazawa, Japan	
1906	22-Aug		Hobbs	Wm H	Ann Arbor, Michigan, USA	
1906	03-Dec		Norris	FE	Hill View, Woodbridge Hill, Guildford	Proprietor of Woodbridge Hill Observatory, Guildford
1907	10-Apr		Turner	НН	Oxford	
1907	13-Apr		Hirota	Masagi		Relative of 'Snowy' Hirota, Milne's assistant
1907	21-Jul		Killuchi	Darioku	Tokyo	
1907	22-Jul		Walker	F M and Tech. Inst. Students		Isle of Wight teacher of mathematics and friend of Milne
1907	25-Jul		O'Leary	Wm, SJ	Mungret College, Limerick	Father W. O'Leary, Irish seismologist and inventor of seismographs
1907	27-Jul		Funaku	K	Kobe	
1907	19-Aug		Craven	CC	Accra	Probably associated with Gold Coast seismograph station
1907	19-Sep		Lacroix	F&C	Paris	Alfred & Catherine Lacroix - celebrated French volcanologists
1907	28-Sep		Omori	F	Tokyo, Japan	Protégé of Milne's, famous seismologist in his own right

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks
1907	22-Oct		Price	Mr & Mrs	Cambridge Inst. Co.	Manufacturers of (amongst other things) Ewing seismoscopes & Milne booms
1907	30-Dec		Massie	John, MP		Local Member of Parliament
1908	20-Apr		Duffield	W Geoffrey	Physical Lab. Manchester University	
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1908 1908	25-May 10-Jun		Perry LNF Nat Sci Soc	John, Prof	London	Lymington & New Forest Natural Sciences Society
1908	07-Aug		Smith	Mai C E DE	Director Currence of Dritish Foot Africa	Lymington & New Polest Natural Sciences Society
1908	07-Aug 07-Aug		Otami	Maj G E, RE Songu	Director, Surveys of British East Africa	
1908	07-Aug		Watanabe	Tetsiu J J & M	Kyoto, Japan	LL Chau, paigmalagist inspired by Milns
1908	18-Aug		Shaw		166 Hill Top, West Bromwich	JJ Shaw, seismologist inspired by Milne
1908	nd		Ishitsarora	Matsujiro	Isanfaro Shugun Seduokaken ?	
1908	nd		Mochidzuki	Tonjokichi	Isanfaro Shugun Seduokaken ?	
1909	14-Mar		Hanbury	Janet	St Hugh's Coll. Oxford	
1909	14-Mar		Byrne	Hannah	Somerville Coll. Oxford	
1909	14-Mar		Sollas	W J	Univ Coll. Oxford	Later Professor of Geology at Oxford
1909	14-Mar		Gent	JRP	Worcester Coll. Oxford	67
1909	14-Mar		Thomas	AR	Merton Coll. Oxford	
1909	14-Mar		Fry	JG	Exeter Coll. Oxford	
1909	14-Mar		Trefusis	FM	Exeter Coll. Oxford	
1909	14-Mar		Benski	E	St John's Coll. Oxford	
1909	14-Mar		Beeson	Cyril F C	St John's Coll. Oxford	
1909	14-Mar		Lawson	W	St John's Coll. Oxford	
1909	14-Mar		Lloyd	E Russell	Wadham Coll. Oxford	
1909	14-Mar		Douglas	JH	Oxford	
1909	14-Mar		Elliott	M	Oxford	
1909	07-Apr		Wales	Edward of	R.N. College, Osborne (Prince of Wales)	Later Edward VIII, at Osborne 1907-09, made Prince of Wales July 1911
1909	25-May		Cooke	Violet & N E	Perth Observatory, Western Australia	
1909	23-Jul		Maclean	Oswald	Coats Observatory, Paisley	In charge of Coats Observatory
1909	13-Sep		Cortie	AL	Stonyhurst College	Milne boom used by Scott in the Antarctic was installed at Stonyhurst in 1908
1909	25-Sep		LNF Nat Sci Soc		,	Lymington & New Forest Natural Sciences Society
1909	20-Nov		Nakano	Hatsune	Tokyo	
1909	29-Nov		Wada	Junpei	Kitsuneike, Nagano, Japan	
1910	11-Apr		Turner	HH	Oxford	
1910	14-May		Gélain	Ch, Prof & students	Paris	Prof of Geography & Geophysics at Sorbonne
1910	21-May		Shaw	11	Hill Top, West Bromwich	West Bromwich seismologist
1910	02-Jun		Kanda	Reiji	Tokyo	
1910	02-Jun		Fukutome	Kinosuke	Formosa	
1910	02-Jun		Ko	Sokichi	Fukuoka University	
1910	05-Jun		Bungo	Hayata	Koishikawa Botanic Gardens	

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks
1910	09-Jul	Len	Galitzin	Boris	Petersburg Academy of Sci. Russia	Prince Galitzin, pioneering Russian seismologist
1910	19-Jul		Rankine	R S D	Suva, Fiji	Milne had a seismograph station in Suva
1910	01-Mar		Olanio	Kozui	Honganji, Kyoto	William Tad a scioling raph station in Sava
1910	01-Mar		Tachibana	Zuicho	Honganji, Kyoto	
1910	02-Mar		Hashiramoto	Zuishun	Honganji, Kyoto	
1910	07-Aug		Otani	Kazuko	Kyoto	
1910	07-Aug		Kujio	Takiho	Kyoto	
1910	07-Aug		Watanabe	Tetsin	Kyoto	Japanese seismologist
1910	16-Aug		Clemens	Theodor	Coblenz	oupunose seismologist
1910	13-Sep		Hillmer	Andreas & Anna	Berlin	
1910	13-Sep		Clemens	Theodor	Coblenz	
1910	19-Nov		Walker	George W	Eskdalemuir	Milne booms installed at Eskdalemuir in 1908
1910	18-Nov		Gray	M H	Abbey Wood, Kent	Probably the MH Gray whose name appears on Milne's observatory plaque?
1910	21-Dec		Swain	Isaac	University College, Cork	Professor of Geology & Geography
1910	21-Dec		Chener?	T	City Hall, Cardiff	Penylan Observatory - Milne advised throughout the setting up of Penylan
1910	21-Dec		Chener:		City Hall, Caldill	Ferrylari Observatory - Willine advised tilloughout the setting up of Ferrylari
1911	21-Jan		Juikin	W A	Rio Tinto Mines, Spain	
1911	06-Apr		Kujio	Yoshimine	Tokyo	
1911	11-Apr		Kutenzawa	Genichiro	Caius Cambridge & Japan	
1911	11-Apr		Fujino	Choichi	Oxford	
1911	19-Apr		Freeman	W G	Botanic Gardens, Trinidad	
1911	20-Apr	21-Apr	Turner	НН	Oxford	Prof HH Turner - one of many visits
1911	26-Apr	21-Αρί	Symon	OS	Magdalene College, Oxford	1 To This Turner - one of many visits
1911	26-Apr		Clemes	A W	Magdalene College, Oxford	
1911	01-May		Longhurst	FH	Bedford & Accra, Gold Coast	
1911	07-Jun		Martin	HW	late of Colombo, Ceylon	
1911	30-Jun		Keeling	DTG	Cairo, Egypt	Operator at Helwan station, Egypt
1911	01-Jul		Naumann	DJ	Frankfurt am Main	Operator at Flowari Station, Egypt
1911	06-Jul		Omori	F	Tokyo	
1911	08-Jul		Kujo	Yoshimune	Cambridge	
1911	09-Aug		Talbot	J H	Tokyo	
1911	28-Aug		Innes	DP	University College, Oxford	
1911	31-Aug		Purvis	FP	Tokyo	
1911	02-Sep		Perry	John	London	BA meeting 1911 Portsmouth
1911	02-Sep		Wellors?	JEC	Manchester	BA meeting 1911 Portsmouth
1911	02-Sep		Hartland	Ethel & Sydney	Gloucester	BA meeting 1911 Portsmouth
1911	02-Sep		Reed	J Howard	Manchester	BA meeting 1911 Portsmouth
1911	02-Sep		Porter	Alfred W	University College, London	BA meeting 1911 Portsmouth
1911	02-Sep		Tyndale	A M	University of Bristol	BA meeting 1911 Portsmouth
1911	02-Sep		Swann	WFG	University of Sheffield	BA meeting 1911 Portsmouth
1911	02-Sep		Bateman	H	Bryn Mawr Coll., Pennsylvania	BA meeting 1911 Portsmouth

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks
1911	02-Sep	Leit	Saunder	S A	Bucks	BA meeting 1911 Portsmouth
1911	02-Sep		Crookes	Henry & Nina	London	BA meeting 1911 Portsmouth
1911	02-Sep		Robinson	James	University of Sheffield	BA meeting 1911 Portsmouth
1911	02-Sep		Bolton	John & Emily	Muswell Hill	BA meeting 1911 Portsmouth
1911	02-Sep		Eddington	AS	Royal Observatory, Greenwich	BA meeting 1911 Portsmouth
1911	02-Sep		Milner	SR	University of Sheffield	BA meeting 1911 Portsmouth
1911	02-Sep		Plummer	WE	Bidston	(Director, Bidston Observatory) BA meeting 1911 Portsmouth
1911	02-Sep		Beaumont	W Henry	London	BA meeting 1911 Portsmouth
1911	02-Sep		Russ	S	Middlesex Hospital	BA meeting 1911 Portsmouth
1911	02-Sep		Gregory	J W	University of Glasgow	(did macroseismic work) BA meeting 1911 Portsmouth
1911	02-Sep		Hicks	W M	University of Sheffield	BA meeting 1911 Portsmouth
1911	02-Sep		Shaw	JJ	West Bromwich	BA meeting 1911 Portsmouth
1911	02-Sep		Pope	WJ	Chemical Lab, Cambridge	BA meeting 1911 Portsmouth
1911	02-Sep		Senier	A	University College, Galway	BA meeting 1911 Portsmouth
1911	02-Sep		Bellamy	FA	Oxford Observatory	(Oxford Obs operator) BA meeting 1911 Portsmouth
1911	02-Sep		Anderson	Tempest	York	On BA Committee, later President BA, volcanologist & photographer
1911	08-Sep		Kitto	Edward	The Observatory, Falmouth	In charge of geomagnetism, 1885-1912
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1912	26-Feb		Pigot	Edward F, SJ	Riverview College Obs, Sydney, Australia	Third Jesuit observatory (others Stonyhurst & Jersey)
1912	28-Mar	30-Mar	Turner	НН	Oxford	
1912	20-Apr		Swain	Isaac	University College Cork	Set up a BA seismograph at Cork
1912	16-Jun		Kujo	Yoshimune	Cambridge	
1912	14-Oct		Knox	H V & Alice	Oxford	
1912	14-Oct		Suck	Capt B & M	Oxford	
1912	14-Oct		Shorthose	Lydia	Oxford	
1912	06-Dec		Kishi	Kuramateu	London	
1895	30-Jul	16-Dec-1912	Hirota	Shinobu	18 Kenjakucho Kendaku, Tokyo	Milne's Japanese assistant, excellent photographer
1913	25-Mar		Searle	GFC	Cambridge	Several previous visits
1913	25-Mar		Richardson	Lewis F	Eskdalemuir	On staff of Eskdalemuir observatory
1913	31-Mar		Sugiura	Yoshiro	Oxford	On stail of Eskdalemuli observatory
1913	13-Apr		Glinday	V G	Oxford	
1913	13-Apr		Innes	DE	Oxford	
1913	13-Apr		May	JC	Oxford	
1913	13-Apr		O'Neill	Les	Oxford	
1913	13-Apr		Hatfield	A C	Oxford	
1913	13-Apr		Alibeg	MM	Oxford	
1913	13-Apr		Sanders	E	Oxford	
1913	13-Apr		Robinson	GC	Oxford	
1913	13-Apr		Hambridge	H	Oxford	
1913	13-Apr		Bryan	Hugh M	Oxford	

Year	Date	Left	Name	Initial/title	Address/Affiliation	Remarks	
1913	13-Apr		Bayzand	CJ	Oxford		
1913	13-Apr		Giffard	HPW	Oxford		
1913	13-Apr		Hantnoll	Eric S	Oxford		
1913	13-Apr		Sollas	W J	Oxford		
1913	14-Apr		Whidu	WH	Oxford		
1913	16-Apr		Turner	НН	Oxford	Professor of Astronomy, took over Shide observatory after Milne's death	
1913	17-May		Owen	Gwilym	Liverpool University		
1913	24-Jun		Lutz	Elle	Gottingen		
1913	07-Jul		Uchimaru	S	University of Tokyo		
						Book not posted for some months after Milne's death; later dates approximate	
1914	Jan		Shaw	JJ	West Bromwich		
1914	Jan		Norris	FE	Guildford	Owner of Guildford observatory	
1914	10-Apr		Round	J&SB	Birmingham	Are these related to Mr Round of Warley, an associate of JJ Shaw	
1914	17-Apr		Richardson	LF	Eskdalemuir		
1914	10-May		Crombie	JE	Aberdeen	Aberdeen seismologist, ran his own observatory at his home in Dyce	
1914	12-Nov		Griffith	Robert	Tananarive, Madagascar	Meteorological and seismological observatory here	
1915	27-Apr		Pollard	Evelyn W	Ryde	Isle of Wight pharmacist, friend of Milne, amateur seismologist	
1916	06-Apr		Scholes	Percy A	London	Is this the author of 'Oxford companion to music'	
1916	22-May		Crombie	James E	Dyce, Aberdeen		
1917							
1918							
1919	28-May		Ponemunsky	N	Petrograd	Last entry for Shide; obs. transferred to Oxford, few more entries until 1931	
1920	05-May		Dyson	FW	Royal Observatory, Greenwich	Astronomer Royal for Scotland 1906-10, Astronomer Royal 1910-33	
1920	23-Sep		Burgess	J Howard	Hertford	Friend of, and early collaborator with Milne	





John Milne (foreground) with his Japanese assistant Shinobu Hirota in the Stable Block at Shide, the site of the earliest seismographs and experiments.