



British Geological Survey

## The Dr ATJ Dollar Papers Held in the National Seismological Archive



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**FRONT COVER**

**Dr ATJ Dollar, taken in 1938**

**Photo courtesy of Mrs J Dollar**

**BRITISH GEOLOGICAL SURVEY**

**Global Seismology & Geomagnetism Group**

**TECHNICAL REPORT WL/99/15**

**The Dr ATJ Dollar Papers Held in the  
National Seismological Archive**

**J.H. Lovell**

**March 1999**

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# THE DR ATJ DOLLAR PAPERS HELD IN THE NATIONAL SEISMOLOGICAL ARCHIVE

## Abstract

The seismological and other collections of Dr ATJ Dollar, held in the National Seismological Archive (NSA), have been examined and catalogued as part of an NSA initiative on the study of the history of seismology. A large amount of previously unknown detail on UK seismology in the first half of this century has been revealed, and is now being incorporated into a series of reports.

## Introduction

AT John Dollar (1908-1981) graduated in geology from King's College, London in 1931, and moved to Emmanuel College, Cambridge, where, supervised by CE Tilley, he gained his PhD on the petrology and structure of Lundy. In 1935 he became a Research Fellow at Emmanuel, and after a brief period at St Andrews University moved to Glasgow University in 1939. War service interrupted his tenure there, then, in 1950, Dollar became head of the Geology Department at Birkbeck College, and remained there until his retirement.

During his academic career, Dollar developed interests in many subjects. His collected papers reflect these interests, and contain material on volcanology (including photos and articles on Surtsey, Jan Mayen, Iceland, Hawaii and various Pacific Islands), tsunamis, geology (especially of the southwest peninsula and Lundy), landslips, seismology and seismotectonics. He was largely responsible for the installation of a Jaggar Recorder at Comrie, Perthshire, in 1938 (Dollar 1953), and was particularly interested in the Great Glen and its supposed seismicity (Dollar 1950), supervising Ahmad's (1966) thesis on geophysical investigations there. Dollar wanted instrumentation on both sides of the fault, and was keen to site a seismograph at Fort Augustus Abbey. There is, preserved in the NSA, a rather unkind comment from a correspondent during Dollar's search for the instrument site to the effect that as the monks at Fort Augustus Abbey rose at 4 a.m. anyway, they would have plenty of time to arrange the changing of the Jaggar Shock Recorder charts. Dollar also invented a clinometer, and various accessories for petrological microscopes.

With funding and support from the British Association for the Advancement of Science (BA), Dollar set up the British Earthquake Enquiry in October 1935. His aim was to produce an earthquake catalogue for the UK to complement the pioneering seismological work of Dr Charles Davison, whose catalogue terminated in 1915 (Davison 1924). In a major initiative lasting a year or more he circulated libraries, museums, newspapers, universities, scientific societies, etc., asking for information on earthquakes since January 1916. He also set up a network of ultimately up to 200 volunteer observers in all parts of UK whose function was to submit details of felt earthquakes and assist in his macroseismic surveys. Reports on progress were made annually to the BA meetings, and catalogues produced. Dollar also met Davison, who was living in Cambridge in retirement, and the two discussed macroseismic methods and the wording of questionnaires. Davison also advised Dollar to invest in a typewriter as he had done himself and increased his output threefold. Examination of the correspondence relating to these events has revealed a wealth of new detail on

UK seismology at that time, and enabled the updating of various reports on historical seismology, for example Lovell & Henni (1998).

The most significant subjects among the Dollar papers are the collected macroseismic surveys and the mass of correspondence relating to the British Earthquake Enquiry and Dollar's seismological work with the British Association. A very detailed examination of this archive has revealed a large amount of new information on seismology in the UK between the 1920s and the 1960s, and several previously unknown earthquakes. The papers were originally filed by Dollar according to his own system in approximate subject and date order, and the remnants of his system remain. The remainder of his archive contains an admixture of papers from other sources, principally E Tillotson of the BA and GW Tyrrell of Glasgow University but with a little from HH Turner of Oxford University. This has been included with the Dollar collection, whether by Dollar himself or during the moving process is not clear. The papers were later collected together in the NSA. No attempt has been made to reclassify this mixed material, and it has been termed Dollar's Papers in the Appendix.

Strangely, only one or two seismograms were found among the Dollar papers, although numerous correspondents (among them EW Pollard of Dorking, FL Vanderplank of Bristol, Father Rowland of Stonyhurst, and many others) refer to sending seismograms to Dollar (correspondence in NSA). This suggests they are archived together, or have been collectively destroyed, although it is difficult to believe that they do not exist somewhere, as such a large quantity of Dollar's papers has survived. A thorough search has so far failed to reveal them at the universities of Cambridge, Birkbeck, or Glasgow, and they are not in the British Association archive at the Bodleian Library, Oxford.

The Dollar photographic collection consists of over 800 lantern slides, 120 glass negatives, and many prints. Most of the lantern slides represent lecture illustrations, diagrams and portraits, and have come from Dollar, Tyrrell and Turner. Some, however, date from John Milne's time, are hand-tinted, and probably came into the collection from HH Turner. The glass negatives are definitely Milne's. This collection, especially the glass negatives, has not been handled unnecessarily and so remains largely unavailable to researchers, but will hopefully be digitised if funding becomes available.

The National Seismological Archive (NSA), maintained by the British Geological Survey, is the United Kingdom national repository for seismological material. A little while after Dollar's death, Dr Paul Burton and Mr Graham Neilson of the BGS arranged with Dollar's widow the transfer of Dollar's seismological and earth science collections to the NSA. NSA studies are currently being undertaken of the history of seismology in the UK, for example Lovell & Henni (1998) in order to improve understanding of the historical data available, and in the hope of discovering lost seismological archives. This report on the NSA holding of surviving Dollar material is presented as part of this initiative.

## **Results**

The NSA holding of Dollar's collections is given in the Appendix which has been subdivided into the Macroseismic Papers, Papers, and Photographic collections.

## Acknowledgements

Thanks are due to Dr P Burton and Mr G Neilson, both formerly of the BGS, who, after Dollar's death, archived a large quantity of his collected seismological papers in the NSA. Thanks are also due to Mrs Jenny Dollar for her cooperation in the transfer of this archive, and, latterly, for her interest in its examination by the author, for supplying additional historical details, and for permission to publish the information. 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).

## References

Ahmad, M.U., 1966. *A geophysical study of the Great Glen Fault*, unpublished PhD thesis, Dept of Geology, Birkbeck College, University of London.

Dollar, A.T.J., 1950. A Catalogue of Scottish Earthquakes, 1916-1949, *Trans. Geol. Soc. Glasgow*, **Volume 21 part 2**, pp 283-361.

Dollar, A.T.J., 1953. The 'Earthquake House' at Drumearn, Comrie, Perthshire, in 57th Report of the Committee on Seismological Investigations, *British Association Annual Report, 1953*.

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**.

Davison, C., 1924. *A History of British Earthquakes*, Cambridge University Press.





**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's macroseismic papers	North Devon Earthquake 1889 Jan 17	17	Jan	1889	c.21:00	North Devon	folder 55/8, felt report information from Mr Tregelles	folder
Dollar's macroseismic papers	Swansea, Glam	27	June	1906	09:45	Swansea, Glam	macro questionnaires collected in N Devon by J.G. Hambling	wallet file
Dollar's macroseismic papers	1925 Dec 23 Oban	23	Dec	1925	c.12:35 pm	Oban	press cuttings, macroseismic replies, correspondence, all ex Tyrrell	wallet file
Dollar's macroseismic papers	Hereford	15	Aug	1926	04:50	Hereford	replies, correspondence to Mourant,	wallet file
Dollar's macroseismic papers	North Sea	24	Jan	1927	c 05:20	North Sea	correspondence between Tyrrell & Bergen, replies from public; fore & a/shocks detailed; macroseismic map; Proofs of Tyrrell's paper 'Recent Scottish earthquakes' Trans.Geol.Soc.Glasgow,vol XIX pt 1.1931-32; press cuttings on Scottish historical events	wallet file
Dollar's macroseismic papers	Colintraive	27	Jan	1927	0900 & seq	Colintraive	series of tremors; press cuttings, letters; photo of Coats seismograms	wallet file
Dollar's macroseismic papers	North Sea 1931 June 7	7	June	1931	c.01:30	North Sea	law suit correspondence, observations, press cuttings, macro observations	wallet file
Dollar's macroseismic papers	Earle Ats Johnson 1931 June 7	7	June	1931		North Sea	folder 51/12 - Summary report & envelope 52/10 - Data and Calculations for the North Sea event	folder
Dollar's macroseismic papers	Wensleydale, Yorks	14	Jan	1933	08:30 GMT	Wensleydale, Yorks	no details of quake; letter & map from Rowlands of Stonyhurst to Dollar; misc unrelated press cuttings on landslides, subsidence etc, 1958-59;	wallet file
Dollar's macroseismic papers	N England 14 Jan 1933, Wensleydale	14	Jan	1933	08:30	Wensleydale, Yorks	envelope of press cuttings ex Father Rowlands of Stoneyhurst	brown envelope
Dollar's macroseismic papers	Dingwall,	16	Aug	1934		Dingwall,	macroseismic data	wallet file,empty
Dollar's macroseismic papers	Inverness	16	Aug	1934		Inverness	pencil notes & macroseismic data; RMWM puts the epi in Torridon.	library box 1
Dollar's macroseismic papers	Scottish earthquakes, Torridon	16	Aug	1934	c.03:15	Torridon, Scotland	correspondence & press cuttings, also details of 1936 and review of 1916-1949 Scottish Earthquakes, ex Dollar & Tyrrell	wallet file
Dollar's macroseismic papers	1935 Oct 24 Leigh	24	Oct	1935	c.8:30 pm	Leigh, Lancs	correspondence, macroseismic questionnaire replies, folders 56/1 & 56/2	wallet file
Dollar's macroseismic papers	Cambridge Earthquake Replies	29	Oct	1935	early morning	Cambridge	folder 60/2 - felt reports	folder
Dollar's macroseismic papers	Cambridge Oct 29 1935	29	Oct	1935	c.04:00	Cambridge	folder 60/3 - felt reports	folder
Dollar's macroseismic papers	General 60/1	28	Sept	1935	c.16:20	?Oxford	correspondence with Stoneyhurst, Oxford, felt reports, NB photo of Oxford seismogram enclosed - only third known!!!	
Dollar's macroseismic papers	Hullavington 1936 Aug 26	26	Aug	1936	2-3 pm BST	Hullavington, Wilts	folder 60/4 - felt report, correspondence with Bellamy, Vanderplank, RH Worth, no instrumental records found	folder

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RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's macroseismic papers	Kinlochewe 1936 June 10	10	June	1936	01:40 BST	Kinlochewe	correspondence, felt reports in folder 58/4	wallet file
Dollar's macroseismic papers	Perthshire 1936 March 11	11	March	1936	c.10:00	Perthshire	correspondence, felt reports, in folders 58/1, 2 & 3	wallet file
Dollar's macroseismic papers	1936 Gt Bentley, Essex	21	Sept	1936		Great Bentley	correspondence - mistaken place name - mill at Great Bradley, Suffolk, burned & damaged in storm; also reports from Gairloch, 20 & 21 Sept 1936	wallet file
Dollar's macroseismic papers	Tenby 1937 Dec 6	6	Dec	1937	morning	Tenby	folder 60/9 - correspondence, enquiries,	folder
Dollar's macroseismic papers	1937 Dec 17 London	17	Dec	1937	c.16:00	London record, maybe teleseism	folder 60/10 - correspondence with E.Bellamy, Selfridges, etc re record at Selfridges	folder
Dollar's macroseismic papers	Perthshire 1937 July 20	20	July	1937		Perthshire	little correspondence in folder 58/6	wallet file
Dollar's macroseismic papers	1937 Nov 21 Worthing, Sx	21	Nov	1937	unspec.	Worthing, Sussex	folder 60/8 - press cuttings, correspondence	folder
Dollar's macroseismic papers	1937 Sept 8 Horsham	8	Sept	1937	c.01:00	Horsham	press cuttings, macro reports, handwritten earthquake catalogue	wallet file
Dollar's macroseismic papers	Cudworth Earthquake 1937 Sept 15 th	15	Sept	1937	c.02:30	Cudworth	folder 56/6, correspondence, few press cuttings on Selfridge recording of distant event & ?atmospheric explosion in Angus	folder
Dollar's macroseismic papers	1938 April 13 Stepney	13	April	1938	c.03:00	Stepney	folder 55/6 - press cuttings, replies, felt reports,	wallet file
Dollar's macroseismic papers	Golders Green, Middx	20	April	1938	04:45	Golders Green, Middx	some macro questionnaires, press cuttings, correspondence, NB reports of large traction engine and trailers on road at time; notes that not recorded at Selfridge's or Kew	wallet file
Dollar's macroseismic papers	Porth, Glamorgan	18	Dec	1938	01:00 GMT	Porth, Glamorgan	correspondence, enquiries	folder
Dollar's macroseismic papers	Seismograph Records (Vibrograph), Hope nr Sheffield	4	Feb	1938		Hope, nr Sheffield	folder 51/0, details of vibrograph experiments at Hope Cement Works, vibrograph records	folder
Dollar's macroseismic papers	1938 Jan 1st New Tredegar, Mons.	1	Jan	1938	c.04:00	New Tredegar, Mons.	folder 57/1 - press cuttings, correspondence	folder
Dollar's macroseismic papers	1938 Jan 29 Great Missenden	29	Jan	1938	c.02:30	Great Missenden	folder 55/5 - correspondence	wallet file
Dollar's macroseismic papers	Belgium, 2 wallet folders	11	June	1938	10:59 GMT	Belgium	correspondence from Mourant, Rothé, Somville, etc, press cuttings, macroseismic observations in UK	2 wallet files
Dollar's macroseismic papers	Belgium, brown envelope	11	June	1938	10:59 GMT	Belgium	correspondence, jokes, 'explanations', etc	brown envelope
Dollar's macroseismic papers	Belgium, folder Aftershocks	11	June	1938	10:59 GMT	Belgium	cuttings re aftershocks	folder Aftershocks

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RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's macroseismic papers	Belgium, folder Records of Methods....	11	June	1938	10:59 GMT	Belgium	macroseismic appeals, correspondence with observatories, press, BBC, etc	folder Records of Methods....
Dollar's macroseismic papers	Correspondence with Observers 1938 June 11, SE England	11	June	1938	c.11:45	SE England	correspondence, felt reports etc of Belgian earthquake	folder
Dollar's macroseismic papers	Belgium, folder Summary Reports	12	June	1938	10:59 GMT	Belgium	data analysis, correspondence, prelim. Articles, etc	red folder
Dollar's macroseismic papers	South Wales Quake 1938 June 18	18	June	1938	01:30 et seq.	Gilfach Goch	folder 57/2 - press cuttings of 3 tremors, felt reports	folder
Dollar's macroseismic papers	West Bromwich 1938 March 15	15	March	1938	20:37	West Bromwich	folder 56/7, ex JJ Shaw, correspondence	folder
Dollar's macroseismic papers	SE Edinburgh 1938 March 21	21	March	1938	c.23:50	Edinburgh	folder 58/7 - felt reports, replies, few details of tremors on 19th & 21st also	wallet file
Dollar's macroseismic papers	1938 May 6 France	6	May	1938	c. 05:00 GMT	France	correspondence with Mourant & others	folder 60/11
Dollar's macroseismic papers	Bargoed, Glam	5	July	1939	01:30	Bargoed, Glam	names list; press cuttings; little correspondence	wallet file
Dollar's macroseismic papers	Manchester	18	July	1939	unspec	Manchester	correspondence, negative reply cards, requests to BBC for broadcast time,	wallet file
Dollar's macroseismic papers	North Wales 1940 Dec 12	12	Dec	1940	21:20 GMT	Carnarvon	appeal for info, replies, felt reports for main & a/shocks, press cuttings + some for Boulogne Nov 1940 event	wallet file
Dollar's macroseismic papers	Stirling	2	Feb	1940	23:45	Stirling	press cuttings on event & a/shocks; replies, letters, macro details & sketch maps	wallet file
Dollar's macroseismic papers	North Argyll	9	July	1940	02:30	North Argyll	press cuttings; letters	wallet file
Dollar's macroseismic papers	14 July 1940 Coalville	14	July	1940	c.23:50	Coalville	correspondence, replies in 3 folders	wallet file
Dollar's macroseismic papers	Stirling 1940 July 16	16	July	1940		Stirling	empty folder	wallet file
Dollar's macroseismic papers	Stirling 1940 July 16	16	July	1940	17:30	Stirling	4 folders - press cuttings, felt reports, correspondence - tremor also reported at 11:30 pm, data reduction tracings	wallet file
Dollar's macroseismic papers	1940 July 18 Birmingham	18	July	1940	c.11:30 am	Birmingham	2 press cuttings in folder 56/11	wallet file
Dollar's macroseismic papers	Birmingham	14	July	1940	23:59 BST	Birmingham	letters, including some forwarded by JJ Shaw,	wallet file
Dollar's macroseismic papers	Stirling 1941 Sept 6	6	Sept	1941	06:20	Stirling	press cuttings, felt reports	wallet file

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RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's macroseismic papers	1957 Feb 11/12 Midlands	11	Feb	1957		Midlands	2 folders; 1 of macro correspondence, 1 of press cuttings, drawings, etc	2 wallet files
Dollar's macroseismic papers	1957 Feb 11/12 Midlands	11	Feb	1957		Midlands	press cuttings	wallet file
Dollar's macroseismic papers	1957 Feb 11/12 Midlands	11	Feb	1957		Midlands	correspondence, felt reports	wallet file
Dollar's macroseismic papers	Diseworth (Midlands) 1957 Feb 11	11	Feb	1957		Midlands	empty folder	wallet file
Dollar's macroseismic papers	Diseworth (Midlands) 1957 Feb 11	11	Feb	1957		Midlands	file 4, replies from collieries, met data, draft and reprint papers on this event, press cuttings	
Dollar's macroseismic papers	Diseworth (Midlands) 1957 Feb 11	11	Feb	1957		Midlands	file 6, felt reports, draft papers, interview scripts	
Dollar's macroseismic papers	Diseworth 1957 Feb 11 File 2	11	Feb	1957		Diseworth, Midlands	draft papers, reprints, correspondence, macro map, regarding earthquake	wallet file
Dollar's macroseismic papers	Fens 1958 Feb 9 (North Sea)	9	Feb	1958	23:21	North Sea	press cuttings, felt reports, maps NB felt at Sandringham (confirmed by HRH the Duke of Edinburgh, 1999)	wallet file
Dollar's macroseismic papers	Comrie 1958 Oct 5	5	Oct	1958		Comrie	empty folder	wallet file
Dollar's macroseismic papers	1959 Jan 2 Jersey	2	Jan	1959	c.05:20	Jersey	press cuttings, felt reports, correspondence with Mourant, Fr Rey, etc, start of macro map.	wallet file
Dollar's macroseismic papers	1961 Walkden (Lancs) Oct 16	16	Oct	1961	19:45	Walkden, Lancs	press cuttings referring to several tremors in this coal mining area	wallet file
Dollar's macroseismic papers	Spean Bridge 1963 Aug 31	31	Aug	1963	c.13:00	Spean Bridge	enquiries, press cuttings, felt report cards	wallet file
Dollar's macroseismic papers	Mexborough, Yorks	13	May	1963	midnight	Mexborough, Yorks	list of places in the area; PA report; press cuttings	wallet file
Dollar's macroseismic papers	West Weald, South Downs	25	Oct	1963	05:45 BST	West Weald, South Downs	press cuttings; letters; replies from public, water companies; sketch macroseismic map; barograph records from Met Office	wallet file
Dollar's macroseismic papers	Clydesdale 1964 March 7	7	March	1964	07:00	Clydesdale/Glasgow	File 2 - correspondence, felt report	wallet file
Dollar's macroseismic papers	Channel Islands	4	March	1965	00:47	Channel Islands	replies, letters, press cuttings	wallet file
Dollar's macroseismic papers	1965 March 4 Channel Islands	4	March	1965		Channel Islands	empty folder	wallet file
Dollar's macroseismic papers	Helston, Cornwall	22	July	1966	02:50	Helston, Cornwall	responses to Dollar's radio broadcast; letters about event, foreshock on 22 July @23:00 & a/shock 24 July @ 05:00; papers & reports on Cornish events; press cuttings	wallet file

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Dollar's macroseismic papers	Eskdalemuir 1967 July 26	26	July	1967	00:02 GMT	Eskdalemuir	correspondence, felt reports etc copied to Dollar from Eskdalemuir Observatory	wallet file
Dollar's macroseismic papers	Kintail	27	Nov	1975		Kintail	calculations using data from various stations (ISC), no macro data	wallet file
Dollar's macroseismic papers	Widnes, Lancs	3	Nov	1976	09:58 GMT	Widnes, Lancs	calculations using data from various stations (ISC), no macro data	wallet file



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RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Taal, Philippine Islands	28	Sept	1965		Taal, Philippine Islands	set of prints of aftermath of volc. eruption, unknown provenance	wallet file
Dollar's papers	British Thunderstorm Survey	12 Feb 1941					correspondence with librarian of Thunderstorm Census Organisation	library box 1
Dollar's papers	Preliminary Report of the State Earthquake Investigation Commission	1906				California	Report on April 18 1906 earthquake	library box 1
Dollar's papers	Section of Armathwaite Tunnel	1929				Nidd Valley/Armathwaite Gill, unloc. but ? nr Pateley Bridge, N Yorks	sketch on transparent paper	library box 1
Dollar's papers	Chi squared tests on Accra event data	1932-40					Correspondence between Comrie, Tillotson & Hartley re chi squared tests on Accra event data	library box 1
Dollar's papers	Fractures in Synthetic Corundum by ATJ Dollar	1938					reprint from The Gemmologist, Feb 1938	library box 1
Dollar's papers	40th Report of B.A. Seismological Committee, 1943?	1943					annual report of Committee	library box 1
Dollar's papers	The Inverness-shire earthquake of 25 December, 1946	1946					reprint from Nature, vol 159 p 648, May 10, 1947, also typed draft copy	library box 1
Dollar's papers	lecture notes, Leeds Uni. 1965, 66, 67	1965-67					handwritten notes on lectures given at Leeds Uni, not in Dollar's hand - probably Tillotson's	library box 1
Dollar's papers	The Moon as a high temperature condensate, by Don Anderson	1973					reprint, The Moon, 8, pp33-57, 1973, Reidel, Dordrecht	library box 1
Dollar's papers	Elastic wave velocities of Apollo 14, 15 & 16 rocks, by Mizutani & Newbigging	1973					Proceedings of the Fourth Lunar Science Conference, Houston, Texas, March 5-8, 1973, Geochimica et Cosmochimica Acta	library box 1
Dollar's papers	Temporal changes in P-wave velocity in southern California	1974					reprint, by Kanamori & Chung in Tectonophysics, 23, pp 67-78, 1974	library box 1
Dollar's papers	The Interior of the Moon, by Don Anderson	1974					reprint, Physics Today, v 27 no 3, March 1974	library box 1
Dollar's papers	British Association for the Advancement of Science; Seismological Investigations	1980				UK	2 copies	library box 1
Dollar's papers	Abs; First European Earth & Planetary Physics Colloquium	2 April 1971					some Tillotson papers	Blue wallet file 'Mr E Tillotson, UK'

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Dollar's papers	Correspondence re Accra earthquake, 22 June 1939	29 Jun 1939						library box 1
Dollar's papers	British Earthquake Enquiry	nd					folders 53/11 & 59/1 - expenditure, contact with Fr Ingram in Ireland	folder
Dollar's papers	untitled brown file box	nd					*Vanderplank's macro replies for 17 March 1934 Bristol earthquake,*; folder 50/1 - Mss in prep; Seismology project list; brown envelope containing blank cards, misc. notes;	brown file box
Dollar's papers	Seismological Misc. Bibliography	nd					folder 'Seismological Bibliography', details of Davison's 'Great earthquakes' book	wallet file
Dollar's papers	Seismology	nd					folder 'Seismology' contains papers, articles, correspondence re earthquake hazards, Jersey Obs, etc.	wallet file
Dollar's papers	The Earthquakes of India	nd					folder 'The earthquakes of India' contains papers, reprints, etc, also plastic bag labelled 'India' ex Tillotson	wallet file
Dollar's papers	Seismology	nd					folder 'Seismology' - instrument brochures, reprints, draft reports	wallet file
Dollar's papers	General 52/2	nd					folder 52/2 - correspondence with Davison, Tyrrell & institutions regarding questionnaire format etc	folder
Dollar's papers	Comrie	nd					file contains correspondence with Dunira owner, Carmichael, maker of model, photos, enquiries **much Comrie data	wallet file
Dollar's papers	untitled, 51/6	nd					folder 51/6 - correspondence between Dollar & Lenox-Conyngham re Jagggar recorder at Comrie & two for West Indies	folder
Dollar's papers	Misc. Earthquakes, landslips, Etc	nd					folder 60/12 - correspondence about meteorites, tremors and possible mining-induced seismicity, around 1936-39	folder
Dollar's papers	Methods of Collection	nd					correspondence with printers, secretaries, etc. re collection of data in folder 54/1	wallet file
Dollar's papers	Report of British Earthquake Enquiry	nd					Drafts of reports to BA, 1 July 1937 - 30 June 1938, 1 July 1938 - June 30 1939, folder 53/14	folder
Dollar's papers	Slight information relating to earthquakes	nd					few press cuttings re Aleutian event 11 Nov 1938, correspondence, folder 56/9	folder
Dollar's papers	General seismology correspondence No. 4	nd					folder 51/3, correspondence re earthquake map of world for insurance companies, re Oxford, with Jagggar, JJ Shaw, etc	folder



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RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	folder 'Seismology' containing correspondence	nd					re BA Seism. Comm., & minutes, etc 1940-1951; re Dunira, Down House; replies to newspaper requests for earthquake info from many events c 1935-1946; corr. with Rey & other obs.directors; cuttings on 1925 Tokyo eq.	wallet file 'Seismology'
Dollar's papers	Visitors' Guide to Crieff & Surrounding District	nd					printed by George Philips at Strathearn Herald office, Crieff	library box 1
Dollar's papers	Lecture notes 'Earthquakes', probably by Tillotson	nd					handwritten notes on lectures given at Leeds Uni, not in Dollar's hand - probably Tillotson's	
Dollar's papers	Surtsey	nd					envelopes containing Dollar's photos of Surtsey	Blue wallet file
Dollar's papers	Jaggar Shock recorder	nd					correspondence re Jaggar recorder at Comrie, folders 51/1, 51/2 & 51/4	wallet file
Dollar's papers	Box A	nd					Local Studies of Microseisms: Notes on Galitzin: EQ-Proof Design, Pacific; Brkhme, Iraq, Persia (ex Tillotson)	archive box
Dollar's papers	Box B	nd					Seismicity of Earth; Moon 11; 1966 BA Report; Solar System; Heligoland Explosion; Prediction; Misc notes (ex Tillotson)	archive box
Dollar's papers	Box C	nd					Microseisms; Mechanism at focus; misc offprints, (ex Tillotson)	archive box
Dollar's papers	Box D	nd					Microseisms; Stoneley's correspondence; General Science, (ex Tillotson)	archive box
Dollar's papers	Box E	nd					Instruments & Arrays; Occasional Notes, RAS; Moon; Tsunamis; General Geophysics; (ex Tillotson)	archive box
Dollar's papers	Box F	nd					Pics of 1948 & 1963 Japan earthquakes; Thumping method; Notes on Roy Soc & ISS; Running seismograph; Notes on Edinburgh readings; Pulses & Tables, (ex Tillotson)	archive box
Dollar's papers	Box G	nd					Microseisms special studies; Misc offprints; Report on Fukui eq, 28/6/48 Japan; (ex Tillotson)	archive box
Dollar's papers	Box H	nd					Misc offprints & articles; Hiller's paper, (ex Tillotson)	archive box
Dollar's papers	Box I	nd					Misc offprints & articles; (ex Tillotson)	archive box
Dollar's papers	Box J	nd					Misc offprints & articles; Chile 1960 cuttings & articles; papers & photos of Subukia eq 1928; articles on Agadir & Skopje (ex Tillotson)	archive box

**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Box K	nd					Misc offprints & articles; (ex Tillotson)	archive box
Dollar's papers	Box L	nd					India & Africa; Misc offprints & articles; 2 photos of Russian seismographs (ex Tillotson)	archive box
Dollar's papers	Box M	nd					Report on Fukui earthquake 28 June 1948 Japan; Dollar's macroseismic maps of Weald event; Book 'Crust & Upper Mantle Japan; (ex Tillotson)	archive box
Dollar's papers	Library Box 2	nd					Derby eq photos; Comrie file (blue folder; folder 53/3 - BA Seism. Committee summaries; 61/6 - Oxford bequest, press cuttings; untitled buff folder containing misc correspondence; 2 bundles of press cuttings	archive box
Dollar's papers	Library Box 3	nd					*Vanderplank's macro replies for 17/3/1934 Bristol earthquake, *; folder 50/1 - Mss in prep; Seismology project list; envelope with blank cards, misc. notes; folder 61/7 - Press cuttings; 51/5 - Jaggar's volcano letter; 52/1, 52/3, 52/10	Library box 3
Dollar's papers	Library Box 4	nd					Folder 'Seismology'; green folder - corr. with Anderson, Lamont, etc; orange folder - corr. re Comrie, Chinese seismoscope, etc; cuttings, paper 'Earthquakes in London' by Hillman, Country Life article by Firsoff	Library box 4
Dollar's papers	Dollar-Crieff					Dollar-Crieff	example of an earthquake recording error - replies to information request giving date 100 years wrong!	brown envelope
Dollar's papers	Map -Seismo-Tectonic Relationships in the British Isles 1730-1970					British Isles	Map by Dollar & Abedi, part of British Earthquake Enquiry	library box 1
Dollar's papers	Royal Society						minutes, correspondence	box file
Dollar's papers	Royal Society						minutes, correspondence	box file
Dollar's papers	Vulcanism						maps & offprints on volcanology	box file
Dollar's papers	Vulcanism						excursion guides, articles, many on New Zealand, cuttings on Guatemala 1976 event	box file
Dollar's papers	Surtsey						field notebook on Iceland, articles, photos, etc on Surtsey	box file
Dollar's papers	Surtsey						mounted & unmounted photos, articles, travel guides	box file
Dollar's papers	The Instability of Scottish Rocks						papers, drafts, offprints, Comrie correspondence, & with EM Anderson, photos of Earthquake House & Jaggar, Comrie readings (but no seismograms)	box file

**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Taal Volcano			1966			photos & negs of island, press & magazine articles 1966, draft papers, offprints	buff wallet file
Dollar's papers	Heat Flow						notes, articles on geothermal energy	green wallet file
Dollar's papers	Great Glen						mss notes, drafts, papers on Great Glen	red wallet file
Dollar's papers	Ahmad, 1966 thesis						incomplete copy of thesis on geophysics of Great Glen	brown envelope
Dollar's papers	Seismotectonics of the UK 1						mainly NE Scotland & N Sea offprints, some hand drawn maps & notes	orange wallet file
Dollar's papers	Seismotectonics of the UK 2						notes on seismotectonics,	orange wallet file
Dollar's papers	Volcano Studies Group						correspondence re V.S.G., offprints, draft paper on Taupo volcano	green wallet file
Dollar's papers	Thermal Research						offprints on high T & P magmas etc, packet of heat sensitive paper	red wallet file
Dollar's papers	Magni Fractures						handwritten notes on faults, Great Glen & other fractures, seismotectonics, etc	red wallet file
Dollar's papers	Subsidence						misc. press cuttings on British & Foreign earthquakes, landslides, mining subsidence	orange wallet file
Dollar's papers	Misc.						travel brochures, articles on volcanoes, papers	buff wallet file
Dollar's papers	Royal Society - Catalogue of British Earthquakes						Bath's report on events greater than intensity 6, 1900-1955, several copies	buff wallet file
Dollar's papers	Tidal Waves						correspondence & broadcast notes on 1945 Bombay tsunami, 1946 Hawaii tsunami press cuttings,	blue wallet file
Dollar's papers	Volcanoes inc Hawaii						offprints on volcanoes, envelope of postcards of volcanic phenomena, travel brochures	blue wallet file
Dollar's papers	UNESCO and NOAA						misc correspondence, reference lists	buff wallet file

**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Volcanic Studies Group						misc correspondence & minutes	green wallet file
Dollar's papers	Surtsey						articles, photos - some annotated	blue wallet file
Dollar's papers	Labelled only '128'						notes & papers on jointing, series of photos of same ? Ex Tyrrell or Ritchie of Glasgow, pictures of mud cracks	blue wallet file
Dollar's papers	Learned societies						correspondence with secretaries, billets, etc	brown file
Dollar's papers	G.W.Tyrrell						blank macro questionnaires	brown envelope
Dollar's papers	untitled						diaries, postage & account books, press cuttings, packet of cuttings from Miss Bellamy	large cardboard box
Dollar's papers	Australasia						press cuttings	ring binder
Dollar's papers	British Earthquakes 1936-, Explosions, Jan Mayen 1961						press cuttings	ring binder
Dollar's papers	Europe						press cuttings	ring binder
Dollar's papers	S America						press cuttings	ring binder
Dollar's papers	Africa						press cuttings	ring binder
Dollar's papers	North America						press cuttings	ring binder
Dollar's papers	Acts of God 1966						press cuttings	ring binder
Dollar's papers	Subsidences Vol I, 1943-1959						press cuttings	ring binder
Dollar's papers	Subsidences Vol II, 1960-1966						press cuttings	ring binder

**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Subsidences Vol III, 1969-						press cuttings	ring binder
Dollar's papers	Landslides Vol I - 1944-1949						press cuttings	ring binder
Dollar's papers	Landslides Vol II 1950-1959						press cuttings	ring binder
Dollar's papers	Landslides Vol III - 1960 -						press cuttings	ring binder
Dollar's papers	Landslides Vol IV 1969-						press cuttings	ring binder
Dollar's papers	Cliff Falls Vol I - 1940-1968						press cuttings	ring binder
Dollar's papers	Cliff Falls Vol II 1969-						press cuttings	ring binder
Dollar's papers	Volcanics Vol I - Far East, Japan/China						press cuttings	ring binder
Dollar's papers	Floods Vol I 1949-1959						press cuttings	ring binder
Dollar's papers	Floods Vol II 1960-						press cuttings	ring binder
Dollar's papers	Continental Drift						offprints, articles	library box
Dollar's papers							misc. blank stationery, town guides, offprints	shelf
Dollar's papers	Storage case 1						misc. reprints	storage case
Dollar's papers	Storage case 2						misc. reprints	storage case
Dollar's papers	Storage case 3						offprints, articles	storage case

**ATJ Dollar papers held in the NSA**

RECORD TYPE	NAME/TITLE	DAY	MONTH	YEAR	TIME	LOCATION	NOTES	DESCRIPTION
Dollar's papers	Storage case 4						cuttings & papers	storage case
Dollar's papers	Storage case 5						offprints & cuttings	storage case
Dollar's papers	box						Runs of BA 'The Advancement of Science'	cardboard box
Dollar's papers	Struct Geol: Oceanography; Seismology VI						reports, papers, Geol Mag, etc	buff box
Dollar's papers	untitled						Earthquake Enquiry index cards, blank	cardboard box
Dollar's papers	untitled						Reports of BA, c. 1900	cardboard box

**ATJ Dollar papers held in the NSA**

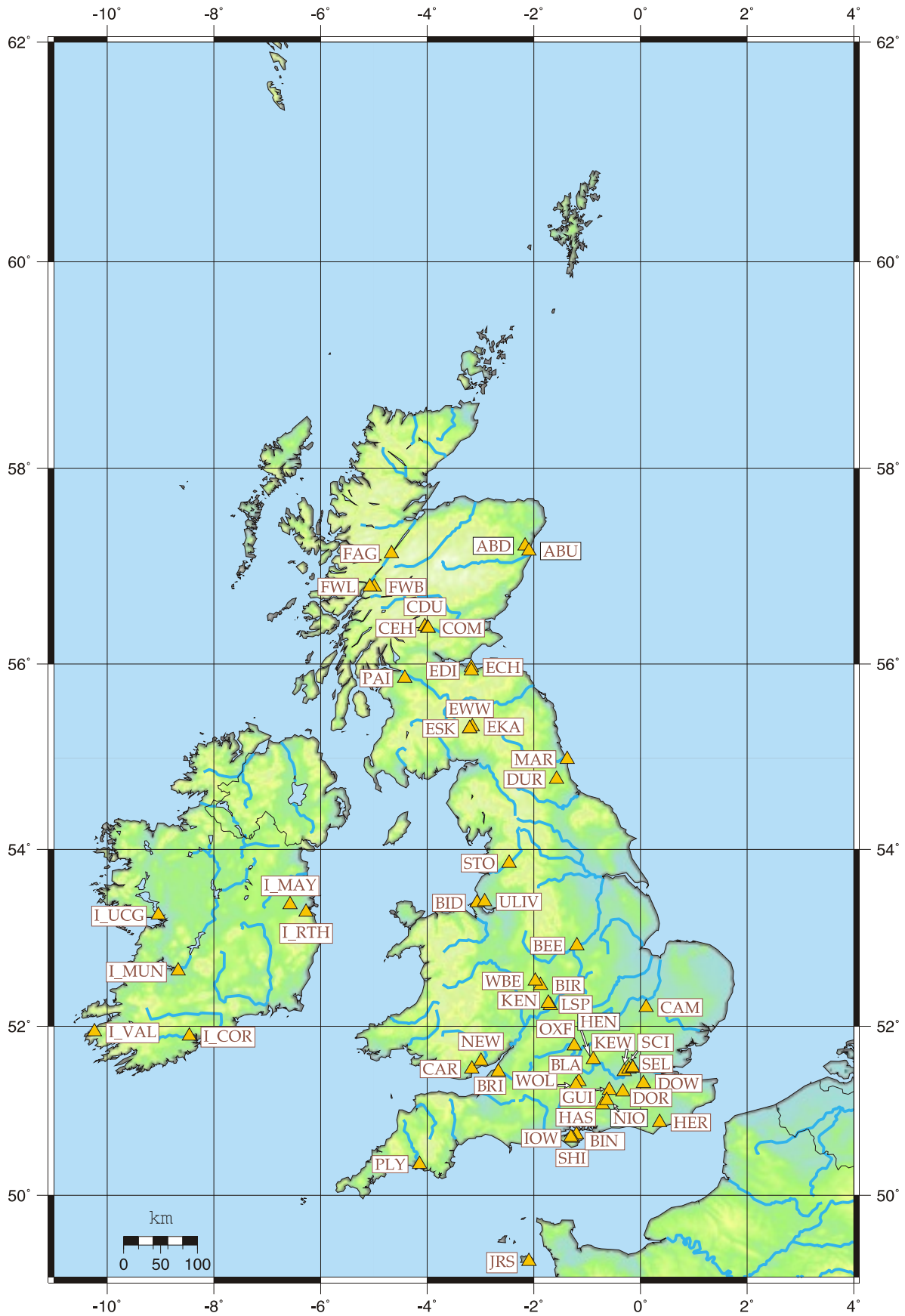
RECORD TYPE	BOX No	BOX TYPE	TITLE/LABEL	CONTENTS	SIZE	QUANTITY	COMMENTS
Photographic	DS1/1	4-drawer metal box	Instruments, methods	lantern slides/1	31/4" square	84	
Photographic	DS1/1			glass negs/1	41/4" x 31/4"	25	3 cardboard boxes - book illustrations
Photographic	DS1/2	4-drawer metal box		lantern slides/2	31/4" square	122	
Photographic	DS1/3	4-drawer metal box	Seismology	lantern slides/3	31/4" square	60	
Photographic	DS1/4	4-drawer metal box	Geophysics, volcanology	lantern slides/4	31/4" square	129	also 3 x 2" square lantern slides
Photographic	DS2	wooden slide box	Mr G Neilson	lantern slides	31/4" square	77	a few unbound
Photographic	DS3	wooden slide box	Mr G Neilson	lantern slides	31/4" square	47	torn label 'Duplicates'
Photographic	DS4	wooden slide box	Mr G Neilson, Prof H H Turner, Oxford Uni Observatory	lantern slides	31/4" square	83	including 7 coloured in archive envelopes
Photographic	DS5	wooden slide box		lantern slides	31/4" square	50	
Photographic	DS6	wooden slide box		lantern slides	31/4" square	48	
Photographic	DS7	Lantern slide archive box		glass negs	41/4" x 31/4"	7	Dollar macro work
Photographic	DS7	Lantern slide archive box		lantern slides	31/4" square	44	Dollar macro + Davison + misc.
Photographic	DS8	A4 archive box		lantern slides	31/4" square	2	Dollar material. Supply of paper archive envelopes
Photographic	DS8	A4 archive box		glass negs	41/4" x 31/4"	20	Dollar material
Photographic	DS9	A4 file box	Mr G Neilson	glass negs	41/4" x 31/4"	13	in white paper envelopes ex HH Turner

**ATJ Dollar papers held in the NSA**

RECORD TYPE	BOX No	BOX TYPE	TITLE/LABEL	CONTENTS	SIZE	QUANTITY	COMMENTS
Photographic	DS9	A4 file box		glass negs	61/2" x 43/4"	11	in Barnett 'Extra Rapid Plate' box - ex Milne/Turner
Photographic	DS9	A4 file box		glass negs	41/4" x 31/4"	2	Milne negs
Photographic	DS9	A4 file box		glass negs	5" x 4"	18	Milne negs
Photographic	DS9	A4 file box		lantern slides	31/4" square	64	Milne negs - some Japan
Photographic	DS9	A4 file box		glass negs	41/4" x 31/4"	12	Milne illustrations
Photographic	DS10	Kodak plate box	Geophysics 2/Earth Interior & Continental Margins	lantern slides	31/4" square	11	Dollar illustrations
Photographic	DS11	A4 archive box	blue Seiko box	lantern slides	31/4" square	6	Dollar Derby & Comrie material, also prints of many orig. negs
Photographic	DS11	A4 archive box	blue Seiko box	glass negs	41/4" x 31/4"	1	book illustration
Photographic	DS11	A4 archive box	ATJ Dollar/seismology	glass negs	41/4" x 31/4"	12	Colchester damage + report pages
Photographic		Library Box 'Photos'					Misc negs; photos of isoseismal maps, Colchester damage, cartoons; seismographs; mainly unlabelled eq damage photos worldwide (some Jamaica, Japan, S. Francisco)
Photographic		Library Box 'Photos'					Negs & Photos of Jaggar recorder and 'Dunira', Comrie, Perthshire taken in 1938
Photographic		Library Box 'Photos'					Photos of N.Sea macro & epicentres, Milne, seismograms, seismographs, worldwide eq damage
Photographic		Library Box 'Photos'					small box of glass negs chiefly of Colchester & 1957 Derby eq damage & reports
Photographic		Library Box 'Photos'					box of glass slides (dups of photos); roll of seismogram negs; bundle of negs for preparation of glass slides
Photographic		Library Box 'Photos'					







Historical seismological observatories in the British Isles, pre-1970.