

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

Creator	Woodward, Oliver Holmes
Creator's Activity/Occupation	Engineers, mining - Company directors - Mining companies
<p>Biography: Oliver Holmes Woodward (1885-1966), mining engineer, metallurgist and soldier, was born on 8 October 1885 at Tenterfield, New South Wales, son of native-born parents Sydney Arthur Woodward, storekeeper, and his wife Jemima Johnstone, née Reid. He was educated at public schools and for two years at Newington College, Sydney. Early practical mining experience at Irvinebank, North Queensland, was followed by three years at Charters Towers where he worked underground and studied part time at the School of Mines. In 1909 he was awarded the W. H. Browne medal for mining and in 1910 the medal for metallurgy. Further experience underground qualified him as a mine-manager. As such he went in 1913 to Mount Morgan and then to Papua where he assisted the geologist (Sir) Colin Fraser at the Laloki and other mines. Late in 1914 Woodward returned to Mount Morgan to recover from malaria. In August 1915 he enlisted in the Australian Imperial Force; he was commissioned and posted to No.1 Company of the newly raised Mining Battalion. He sailed for France in March 1916. On its arrival in Flanders the battalion was broken up and the 1st Tunnelling Company became an independent engineer unit. Deployed in the Armentières sector, France, the company fought on the surface as well as underground and in June 1916 Woodward won the Military Cross for blowing up a snipers' post in no man's land. Early in 1917 the company took over mining operations in a sector south-east of Ypres, Belgium, which included deep galleries under the German lines; these led to two mines, one charged with 53,000 lb. (24,041 kg) of explosives and the other with 70,000 lb. (31,752 kg). For months the company protected these mines, using listening posts and counter-mines, until the opening of the battle of Messines when they were fired with devastating effect. Woodward, by this time a captain, headed the team in charge and personally fired the mines. From August 1918 the tunnelling companies were employed on the surface as field engineers. On 29 September at Bony, east of Amiens, France, Woodward was in charge of three sections of the 1st Tunnelling Company which were employed on road maintenance and came under enemy fire; he once more distinguished himself by his courage and resourcefulness, and was awarded a Bar to his Military Cross. In the last weeks of the war his section was attached to the 1st British Division for its advance to the Rhine. For the crossing of the Sambre-Oise Canal east of Le Cateau, his men—under heavy fire—built a tank bridge spanning the walls of a lock; Woodward received a second Bar to his Military Cross, an extremely rare distinction. Returning to Australia in May 1919, he went to the Mount Morgan Gold Mining Co. before taking up an appointment at Port Pirie, South Australia, as a general metallurgist with Broken Hill Associated Smelters, of which Fraser was joint managing director. On 3 September 1920 Woodward married Marjorie Moffat Waddell at St John's Anglican Cathedral, Brisbane. Soon afterwards he became plant superintendent at Port Pirie. In 1926 he was promoted to general superintendent. Over the nine years he held this position there was extensive rebuilding to accommodate metallurgical developments such as the continuous process for refining lead bullion. There was also a steady improvement in living and working conditions for employees. With the support of Fraser and W. S. Robinson, in November 1934 Woodward became general manager of North Broken Hill Ltd. His thirteen years at Broken Hill witnessed an active rebuilding and a modernizing of surface plant: the British Broken Hill mine, idle since 1930, was re-opened; a new mill using gravity concentration followed by flotation was built and commissioned; ore haulage and hoisting practices were improved. In 1940 Woodward became president of the Australasian Institute of Mining and Metallurgy. He joined the board of directors of North Broken Hill Ltd in December 1944 and remained on the board after retiring from the position of general manager at the North Mine on 8 October 1947. He had also been a director of Broken Hill Associated Smelters and the associated Electrolytic Refining & Smelting Co. President of the Australian Mining and Metals Association (1952-54), he was appointed C.M.G. in 1956.</p>	

Reference Number	1978.0079
Collection/Series Title	PAPERS OF OLIVER HOLMES WOODWARD

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Date Range of Collection/Series	1884-1964
Size/Extent	14 boxes (1.5m)
Access Conditions	Access: Open
Scope and Content of Series "The Drake Gold and Copper Field, N.S.W., 1 transcript, m.s. February 1964; "The World Tour 1934", 2 transcripts, m.s.; copy of letter from John Moffat to George Waddell, 30 May 1884 regarding family matters, mining and aboriginals, New England, N.S.W.; explanatory notes.	
Archival History Typescript list converted to item data by Christine Elias November 2019.	
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1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

To request access to records on the list below via the University of Melbourne Archives Reading Room, quote the Unit/Box reference in full.				
Unit/Box	Item number	Title	Date range	Description
1978.0079 Unit 1	1978.0079.00001	Metallurgical Reports: Broken Hill Associated Smelters Pty Ltd	1932-1935	Proposal to erect Lead Smelter and Refinery in England, July 1932; Broken Hill Weights and Assays of Lead Concentrates, June 1934; Difficulties experienced by extruders of Broken Hill Lead, 31 January 1935; Betterton debismuthing process as studied in USA, 31 January 1935; Variation in Weight of Lead shipments to UK and methods of moulding and weighing at World Centres, 31 January 1935; Recovery of Zinc from Broken Hill Associated Smelters Pty Blast Furnace Slag, 26 January 1935; Comparison recovery of Zinc from blast furnace slag by Fuming Process and Improved Vertical Retort, 8 December 1935 (Bound volume). Previous Control Number: a1 - a7
1978.0079 Unit 1	1978.0079.00002	Metallurgical Reports: Broken Hill North Ltd	1936-1946	Proposed New Concentrating Mill, 18 September 1936; Savings Effected by New Mill, 15 November 1939; Comparison Gravity cum Flotation Mill with All Flotation Flow Sheet; Estimate in Reduction in Operating Expenditure, 16 January 1936; Final Estimated Capital Expenditure, 17 May 1937; Examination of Harding's Mills; Determination of Silver Content of Lead Concentrate, 16 June 1945; Influence of Fine Grinding on Metal Recoveries, 17 November 1936; Review of first 6 years of Gravity-Flotation Mill and study of other Flow Sheets, 24 May 1946 (Bound volume). Previous Control Number: b1 - b9
1978.0079 Unit 1	1978.0079.00003	Mining Reports: Broken Hill North Ltd	1935-1946	Application of mechanical Haulage, 23 March 1936; Increasing Production of Ore, 22 November 1935; Re-opening of British Section (Report No. 10); Efficiency of Mining Operations Year Ended 30 June 1943, (23 August 1943); Efficiency of Mining Operations 1 July 1943 - 1 April 1944, (15 June 1944); Control of Underground Fires, 8 December 1944; Timber for Underground Operations 12 September 1946 (Bound volume). Previous Control Number: c1 - c7

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 1	1978.0079.00004	General Reports: Broken Hill North Ltd	1935-1953	Remodelling Surface Plant etc. (No. 5), 30 March 1936; Report Broken Hill Water Board, 18 August 1944; Report by J B Dridan to Water Board, 5 February 1945; Maximum Power Demand, 25 January 1946; Extension of Coal Workers Pension Act to Broken Hill, 17 June 1944; Review of Mining Managers Association, 28 May 1943, 26 October 1943; Aged Employee, 15 January 1943; Military Service Gratuity Scheme, 15 April 1943; Augmentation Staff Provident Fund, 15 August 1943; Shareholdings Broken Hill Associated Smelters Pty Ltd, 28 December 1943; Market Lead Contract, 26 February 1943; Market Lead Production, 14 January 1939; 1935 Industrial Agreement, 6 October 1935; Production when miners refused contract, 22 April 1943; Companies exchange of shares, 28 December 1943; Lecture to Staff college, 19 October 1953; The Non-ferrous Metal Industry in Australia, a Series on Industrial Mobilisation for selected officers of Defence, Supply, Treasury, Army, Navy & Air Force at the School of Commerce, University of Melbourne (Bound volume). Previous Control Number: d1 - 16
1978.0079 Unit 2	1978.0079.00005	Correspondence	Undated	Letters to and from libraries and historical groups regarding autobiography. Previous Control Number: a
1978.0079 Unit 2	1978.0079.00006	Correspondence	Undated	Telegrams on 80th birthday. Previous Control Number: b
1978.0079 Unit 2	1978.0079.00007	Correspondence	1965	Letter from Dick Casey, Governor General in 1965. Previous Control Number: c
1978.0079 Unit 2	1978.0079.00008	Correspondence	1950	Extract from talk on The story of the Broken Hill Lead-Silver-Zinc Industry, 26 October 1950. Previous Control Number: d
1978.0079 Unit 2	1978.0079.00009	Correspondence	Undated	Newspaper clippings, especially when Woodward left Smelters, he regarded himself as Not Boss - just leader, paid tribute to the workers and noted that he never had to go to arbitration court, union man noted that his door was always open when there was a dispute. Previous Control Number: e

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 3	1978.0079.00010	Diaries	1912-1934	From 1912, 1914, 1915, 1919, 1920, 1934. Previous Control Number: a
1978.0079 Unit 3	1978.0079.00011	Reports on Mining Trips	Undated	Wollogorang (Northern Territory), Hall's Creek (New South Wales), Golden Ridge and Palmerville (Queensland), Laloki Mine and Astrolabe Field (Papua New Guinea). Previous Control Number: b
1978.0079 Unit 3	1978.0079.00012	Miscellaneous material	Undated	Folders (empty) for stories on John Reid and John Moffat. Previous Control Number: c
1978.0079 Unit 3	1978.0079.00013	Miscellaneous material	Undated	Original photographs of Drake Gold and Copper Fields. Previous Control Number: d
1978.0079 Unit 3	1978.0079.00014	Miscellaneous material	1918	Marjorie Waddell's Journey to New Guinea, May - June 1918. Previous Control Number: e
1978.0079 Unit 3	1978.0079.00015	Miscellaneous material	Undated	Oliver Holmes Woodward Birth Certificate. Previous Control Number: f
1978.0079 Unit 3	1978.0079.00016	Miscellaneous material	Undated	Copy of John McDiarmid Royle's story of Hill 60. Previous Control Number: g
1978.0079 Unit 4	1978.0079.00017	Photographs, negatives	1880-1934	Tenterfield, S A Woodward negatives, Drake 1,2,3,4; Many Peaks, General Office, Mt Morgan, Map of route to Wollogorang, Mt Carbine, Newington College, Lismore, Margaret Malcolm Reid; Laloki Mine (9); Drake(5); Governor Norman Mine, Mt Carbine (on glass); Tunnellers and Crater of Hill 60; Drake Sitting room - family of S A Woodward; Tunnellers back in 1934; Glen Smelting Company 1906 and 1880s, Ottery Mine (2) on glass. Previous Control Number: a
1978.0079 Unit 4	1978.0079.00018	Photographs, negatives	Undated	Negatives of photographs in Drake Gold and Copper Field publication. Previous Control Number: b
1978.0079 Unit 4	1978.0079.00019	Photographs, negatives	Undated	Family houses, negatives of W Allan Waddell and Emma Rose (nee Absell). Previous Control Number: c
1978.0079 Unit 4	1978.0079.00020	Photographs, negatives	Undated	Tenterfield group. Previous Control Number: d
1978.0079 Unit 4	1978.0079.00021	Photographs, negatives	Undated	Broken Hill Associated Smelters from Autobiography, Volume III. Previous Control Number: e
1978.0079 Unit 4	1978.0079.00022	Photographs, negatives	Undated	Autobiography Volume II: negative of maps and ideal layout of defensive system, details Hill 63 dugouts, clay kicking seat, Hill 60, firing, machine gun, Investiture. Previous Control Number: f

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 5	1978.0079.00023	Miscellaneous material	Undated	Original handwritten manuscript of Autobiography, Volume II; Photocopies of published sketch maps; Broken Hill Associated Smelters prints
1978.0079 Unit 6	1978.0079.00024	Report	1955	Revision of important sections of 1035 report on slag fuming, 21 October 1955. Previous Control Number: a
1978.0079 Unit 6	1978.0079.00025	Notes	1930	Notes on Proposal to erect New Lead Refinery, 13 October 1930. Previous Control Number: b
1978.0079 Unit 6	1978.0079.00026	Correspondence	1949	Letter from M H Baillieu regarding a proposal to erect lead smelter and refinery at Broken Hill, 14 October 1949; letter and report from O H Woodward, from Adelaide, 23 December 1949. Previous Control Number: c
1978.0079 Unit 6	1978.0079.00027	Report	1955	The Practical Application of the Refining Processes as Practiced at the Broken Hill Associated Smelters Pty Ltd, Port Pirie, by C G Pain, April 1955. Previous Control Number: d
1978.0079 Unit 6	1978.0079.00028	Report	Undated	The Development and Application of the Continuous Lead refining Process, by G K Williams (2 copies). Previous Control Number: e
1978.0079 Unit 6	1978.0079.00029	Report	1931	Outline of the Original Lead Refinery designed and operated in accordance with the Parkes Process of Lead refining, 9 December 1931: 1. Description of Metallurgical Practice, 2. Cost of Production, Description of Layout of Parkes Process Refinery. Previous Control Number: f
1978.0079 Unit 8	1978.0079.00030	Photographs	Undated	Broken Hill North machinery
1978.0079 Unit 9	1978.0079.00031	Miscellaneous material	Undated	Volumes I, II, III, IV of autobiography
1978.0079 Unit 10	1978.0079.00032	Miscellaneous material	Undated	Volume relating to: (1) Newington College; (2) Charters Towers School of Mines; (3) Letters on War Decorations and press cuttings. Previous Control Number: a
1978.0079 Unit 10	1978.0079.00033	Correspondence	Undated	War letters. Previous Control Number: b
1978.0079 Unit 10	1978.0079.00034	Correspondence	Undated	Letters relating to appointment as Companion of St Michael and St George for services to Mining and Metallurgy. Previous Control Number: c
1978.0079 Unit 11	1978.0079.00035	Metallurgical reports by O H Woodward	1929-1933	Broken Hill Associated Smelters Port Pirie, 1929 - 1933. Previous Control Number: a

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 11	1978.0079.00036	Records of service	1920-1947	With Broken Hill Associated Smelters Pty Ltd, 1 February 1920 - 31 January 1935; North Broken Hill Ltd, 1 February 1935 - 8 October 1947. Previous Control Number: b
1978.0079 Unit 11	1978.0079.00037	Report	1945	Statistical and Laboratory investigation of ore types at Broken Hill, H C Burrell, 28 August 1945. Previous Control Number: c
1978.0079 Unit 11	1978.0079.00038	Report	1945	On South American Tour by L Alysons, August - December 1945. Previous Control Number: d
1978.0079 Unit 11	1978.0079.00039	Notes	Undated	Notes on survey methods by H Thornloe Smith, Chief Engineer with Irvinebank Mining Company, collected by O H Woodward. Previous Control Number: e
1978.0079 Unit 11	1978.0079.00040	Report	1949	Lead Sintering Practice at Port Pirie, Frank Green, 1949. Previous Control Number: f
1978.0079 Unit 11	1978.0079.00041	Notes	Undated	Binder with typed notes on useful formulae and data, including trigonometry, atomic weights. Previous Control Number: g
1978.0079 Unit 12	1978.0079.00042	Certificates	Undated	Belgian War Veterans; Somme Medal (in roll). Previous Control Number: a
1978.0079 Unit 12	1978.0079.00043	Certificates	Undated	Three School of Mines Diplomas; Membership Institute of Mining and Metallurgy; Appointment as Captain in First Australian Imperial Force (AIF); Mine Managers Certificates (in roll). Previous Control Number: b
1978.0079 Unit 12	1978.0079.00044	Various objects	Undated	WSS Tenterfield Champion NCAC inscribed cricket ball. Previous Control Number: c
1978.0079 Unit 12	1978.0079.00045	Various objects	1903	Athletics Association of the Great Public Schools of NSW, Newington Broad Jump Medal 1903. Previous Control Number: d
1978.0079 Unit 12	1978.0079.00046	Various objects	1909-1910	Charters Towers School of Mines, Queensland, Browne Memorial Medal, 1909, 1910. Previous Control Number: e
1978.0079 Unit 12	1978.0079.00047	Various objects	Undated	Companion of St Michael and St George Medal. Previous Control Number: f
1978.0079 Unit 12	1978.0079.00048	Various objects	Undated	Officer whistle. Previous Control Number: g
1978.0079 Unit 12	1978.0079.00049	Various objects	Undated	Container for Military Medal M.C. and 2 Bars, 1st Tunnelling Company. Previous Control Number: h

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 12	1978.0079.00050	Various objects	Undated	Small metal letter opener inscribed Ypres; Small metal sword inscribed Poperinghe; metal pin. Previous Control Number: i
1978.0079 Unit 12	1978.0079.00051	Various objects	Undated	Colours and full size medals, miniature medals, badges. Previous Control Number: j
1978.0079 Unit 12	1978.0079.00052	Various objects	Undated	Department of Defence xxx Active Service. Previous Control Number: k
1978.0079 Unit 12	1978.0079.00053	Various objects	1951	Returned Sailor's, Soldier's and Airmen's Imperial League of Australia (RSSAILA) trowel, (Broken Hill sub branch), 9 June 1951. Previous Control Number: l
1978.0079 Unit 12	1978.0079.00054	Various objects	1934	Trowel for laying foundation stone of new Band Hall, Broken Hill Associated Smelters, Port Pirie, 22 October 1934. Previous Control Number: m
1978.0079 Unit 12	1978.0079.00055	Various objects	1920	Small metal plaque inscribed, Presented to Miss M M Waddell by the staff of Burns Philp & Coy Ltd Cairns, on the eve of her marriage, 17 July 1920. Previous Control Number: n
1978.0079 Unit 12	1978.0079.00056	Various objects	1935	Circular wooden paperweight (?) with inscribed metal plaque, presented to Mrs Woodward on leaving Port Pirie, 30 January 1935. . Previous Control Number: o
1978.0079 Unit 12	1978.0079.00057	Various objects	1936	South Australia Centennial Exhibition 1936, medal awarded to M M Woodward, Modelling Figure Group. Previous Control Number: p
1978.0079 Unit 13	1978.0079.00058	Reports	1935-1947	North Broken Hill Ltd Reports and Statements of Accounts (reg office 377-379 Little Collins Street), Nos 29-41 for financial years ending 30 June 1935 to 30 June 1947. Note that O H Woodward was a director from 1945 - 1947 and his MC and 2 bars were noted from 1943 onwards. Previous Control Number: a
1978.0079 Unit 13	1978.0079.00059	Address	1940	Australasian Institute of Mining and Metallurgy Presidential Address 1940, 142 pages including statistics, good brief history of mineral finds and company development. Previous Control Number: b

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 13	1978.0079.00060	Report	1930	Broken Hill Associated Smelters Pty Ltd, General Superintendent's Report, Financial year ending 2 July 1930 (Part2): 1. Lead Ore Stocks, 2. Dwight Lloyd Department, 3. Blast Furnace Department, 4. Refinery Department, 5. Wharf Operations and Transport, 6. Power Plant, 7. Maintenance Department, 8. Ore and Flux Crushing, 9. Flux and Clay Quarries, 10. Pottery, 11. Experimental and Research, 12. Coke, 13. Accountancy, 14. Industrial, 15. Industrial Hygiene, 16. Construction, 17. Assay Department. Previous Control Number: c
1978.0079 Unit 13	1978.0079.00061	Works Index	1931	First edition of classification of general data with reference to Plant and Accessories (O H Woodward, Acting Plant Superintendent), 12 May 1931. An alphabetically arranged listing, e.g. all furnaces appear as Furnace Blast etc., headings include: blocks, baghouse, stack, smelters, and stone, retorts. Previous Control Number: d
1978.0079 Unit 14	1978.0079.00062	Miscellaneous material	1920-1932	A Tunneller's Story, written in 1965 referred to earlier publications and diaries: his paper in Volume 37 of Australian Institute of Mining & Metallurgy (1920) on engineering principles; My Story of the Great War (1932), O H Woodward noted how much was written on many aspects of war but not on tunnelling, 20,000 tunnellers in 27 Companies (18 British, 3 Canadian, 3 New Zealand, 3 Australian), tunnelling was not undertaken in the second world war; Two copies of My Story of the Great War and An Australian Tunnelling Company in France.
1978.0079 Unit 15	1978.0079.00063	Miscellaneous material	1934	My Tour Abroad, April - December 1934: Canada, USA, Mexico, Great Britain, Europe. Previous Control Number: a

1978.0079 PAPERS OF OLIVER HOLMES WOODWARD 1884-1964

1978.0079 Unit 15	1978.0079.00064	Miscellaneous material	1964	The Drake Gold and Copper Field NSW, published 1964. Part I The Gold and Copper Field of Drake, from annual reports of the Department of Mines NSW plus Reports of the Government Geologist Professor T W E David (1887) and E C Andrews (1904); Part II The community life of the people, major source Mrs R B Ramsay. Previous Control Number: b
1978.0079 Unit 15	1978.0079.00065	Miscellaneous material	Undated	Volume V of Autobiography, inscribed To Winnie Woodward. Previous Control Number: c
1978.0079 Unit 15	1978.0079.00066	Miscellaneous material	1884-1978	Envelope: 1. Photocopy of letter (21 pages) John Moffatt to George Waddell from Irvinebank, 30 May 1884; 2. Distribution list of 25 sets of the autobiography bound in board and 25 sets bound in leatherette, noting that Winnie's copy was presented to the Archives of the University of Melbourne in 1977, she died 9 August 1973, these lists were probably prepared by Mrs O H Woodward as copies to self are included; 3. Photocopy of photograph and list of attendees to Grandmother Reid's 80th birthday party, 4 October 1895; 4. Note on radio talk on firing of Hill 60 (given in 1930s) by John McDiarmid Royle (who was in photo of Officers of No 1 Tunnelling Company); 5. Notes on Drake Gold and Copper Field, NSW, by Barbara Woodward, 21 July 1978; 6. Notes on O H Woodward publications, by Barbara Woodward, 16 June 1978; 7. Notes on people in John Moffatt's letter. Previous Control Number: d1 - d7
1978.0079 Unit 15	1978.0079.00067	Correspondence	Undated	Copies of letters from O H Woodward sent with autobiography, letters in receipt, letters of thanks, including Cairns Historical Society 7 August 1962, (S R Williams, acting Honorary Secretary). Previous Control Number: e

End of list