

Reference Number: **2014.0112**  
 Collection/Series Title: **RALPH JONES WATER TOWER  
 SUBMISSION AND BUSINESS  
 PAPERS**

<b>Creator</b>	Ralph Jones Construction Engineering Services
<b>Creator's Activity/Occupation</b>	Engineers
<b>Creator's Historical Note</b>	
<p>The water tower located at the old Fletcher Jones factory site at Pleasant Hill was designed and supervised by Ralph Jones Construction Engineering Services between 1965-1967. The design of the water tower was based on illustrations as shown in an advertising pamphlet Elevated Steel Tanks of Pittsburgh-Des Moines Steel Company. One of these illustrations showed a ball supported on tripod legs further investigations revealed that structural steel members attached to the inside surface of the ball not visible from outside, transferred the loads to the tripod legs in the manner covered by the US Patent shown in these records.</p> <p>Although the outside appearance of the FJ ball as viewed from the gardens looks the same, the construction inside the ball is quite different as detailed in these records and covered by a new (1968) Australian Patent 408,197, since lapsed. Correspondence shows the decision to support the water tower tripod legs on a concrete base was made because of space restrictions at the site. Darby Boucher designed the heritage listed Pleasant Hill gardens in the years after 1945 for the staff who worked at the factory.</p>	
<b>Date Range of Collection/Series</b>	1965-2015
<b>Size/Extent</b>	2 boxes
<b>Access Conditions</b>	Access: Open
<b>Scope and Content of Collection/Series</b>	
<p>Submission to the 1975 Association of Consulting Engineers Australia -Engineering Awards Competition for the 'Elevated Steel Water Tower &amp; Associated Project' Pleasant Hill Warrnambool. Ralph Jones Construction Engineering Services correspondence and documents 1965-1967 relating to the design and supervision of construction of the water tower. Ralph Jones and Associates correspondence and documents from 24 Jan1985 relating to excavation and construction of a reinforced concrete loading bay between and below the the existing concrete footings of the reinforced concrete base of the water tower. Ralph Jones career milestones and biographical information</p>	
<b>Collection Category</b>	Business, organisations
<b>This document dated</b>	7/05/2015

**To request access to records on the list below via the University of Melbourne Archives Reading Room, quote the Unit/Box reference in full.**

<b>Unit/Box</b>	<b>Item Number</b>	<b>Title</b>	<b>Date Range</b>	<b>Description</b>
2014.0112 Unit 1	2014.0112.0001	Fletcher Jones Water Tower - Association of Consulting Engineers Australia (ACEA) Submission from Ralph Jones	1975	
2014.0112 Unit 2	2014.0112.0002	Documents relating to Design and Construction	2 November 1965-17 October 1967	
2014.0112 Unit 2	2014.0112.0003	More Advanced Documents Relating to Design and Constuction of FJ Water Tower	17 May 1966-23 May 1966	Computations relating to Reinforced Concrete Base
2014.0112 Unit 2	2014.0112.0004	More Advanced Documents Relating to Design and Constuction of FJ Water Tower	24 January 1985-8 February 1985	Ralph Jones & Associates Loading Bay Between Water Tower Footings
2014.0112 Unit 2	2014.0112.0005	More Advanced Documents Relating to Design and Constuction of FJ Water Tower	3 June 1966	Computations relating to the Steel superstructures
2014.0112 Unit 2	2014.0112.0006	3 AWWA Standard Elevated Water Tanks A100-65	1965	
2014.0112 Unit 2	2014.0112.0007	More Advanced Documents Relating to Design and Constuction of FJ Water Tower	undated	Contract Specifications
2014.0112 Unit 2	2014.0112.0008	More Advanced Documents Relating to Design and Constuction of FJ Water Tower	1965-1967	Shop Drawings Steel Superstructure Only
2014.0112 Unit 2	2014.0112.0009	Raph Jones Collection Control Record and Biography	2014	These documents were used as source material for the collection catalogue

**End of List**