

# *Sydney University Engineering Society*

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## ANNUAL REPORT

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Gentlemen,—The Council have the honour to report concerning the operation of your Society for the Sessions, 1915-16, and 1916-17.

### ANNUAL GENERAL MEETING.

At the last Annual General Meeting, held on 28th April, 1915, the Report and Balance Sheet for 1914-15 were read and adopted. The Council for Session 1915-16, with Mr. William Poole as President, were elected. The retiring President, Mr. W. H. Ledger, delivered his Presidential Address, and afterwards received a cordial vote of thanks for his services as President.

### SPECIAL MEETING.

At a Special General Meeting, held on 5th April, 1916, it was decided to continue the then existing Council in office during Session 1916-17, to carry on the business of the Society by means of lectures, and to remit the fees of all members on active service.

### ORDINARY MEETINGS.

In 1915, at five ordinary meetings, the business dealt with was:—

1. A Paper by Jack F. Hennessy, B.Sc., "Modern Architecture of America."
2. A discussion opened by C. T. Stephens, B.E., "Points of Interest in the Design of Reinforced Concrete Beams and Slabs in Bridges."
3. A Paper by R. W. Hawken, B.E., B.A., "The Deflection of a Beam and the Equation of Three Moments." A Paper by R. H. Downes, "The Stability of Retaining Walls."

4. A Paper by E. P. Taylor, B.E., "Carburettor Action."
5. A Paper by J. P. Tivey, B.E., B.A., "Notes on the Electrification of Railways, with Special Reference to the Direct Current System."

In 1916, at six Ordinary Meetings, the business was as follows:—

1. Lecture by the President, William Poole, B.E., "The Bulk Handling of Grain."
2. Lecture by F. A. Eastaugh, A.R.S.M., "The Micro-structure of Metals, especially Steel."
3. Lecture by F. Danvers Power, "Sharp Practice in Engineering Undertakings."
4. Lecture by R. F. Irvine, Professor of Economics, "The Engineer and Industry."
5. Lecture by O. U. Vonwiller, Acting Professor of Physics, "The Practical Applications of Physical Research."
6. The Presidential Address of William Poole, B.E., A.M.I.C.E., "Engineering and Technical Education."

#### SPECIAL LECTURE.

To assist in the formation of an active Students' Section of the Society, the Rev. Thomas Tait was invited to deliver, in March, 1917, a lecture on "The Art of Public Speaking." Professor M. W. MacCallum kindly consented to preside at this lecture.

#### EXCURSIONS.

There were excursions in 1915,

1. To inspect the works under progress on the Sydney Harbour.
2. To inspect the system of using sewage gas for power purposes at Parramatta.
3. To a demonstration of the three-rail system at Sydenham.

The Council desire to thank all who assisted them during the past two troublous years in carrying on the work of the Society.

On the request of the Council, the Student members have formed a section to hold meetings controlled by themselves, at such times as they find convenient. Most of the Engineering Students have joined this section, and they have already held one successful meeting.

The Council regrets that, owing to the large number of members on active service, the funds available did not permit of the publication of a volume of the proceedings in 1916. The money now in hand is sufficient to provide one volume to cover the two sessions, 1915-16 and 1916-17.

WM. POOLE, *President.*

GEO. F. SUTHERLAND, *Hon. Secretary.*

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### EXCHANGES.

The Council have much pleasure in acknowledging the receipt of the following:—

American Institute of Mining Engineers.  
 American Society of Civil Engineers.  
 Australian Mining and Engineering Review.  
 Charters Towers School of Mines.  
 Commonwealth Year Book.  
 Engineering Record.  
 Engineer.  
 Electrical Review.  
 Engineers' Club of Philadelphia.  
 Engineering Association of New South Wales.  
 Franklin Institute.  
 Institute of Engineers and Shipbuilders of Scotland.  
 Institute of Mechanical Engineers.  
 Massachusetts Institute of Technology.  
 Mechanical Engineer.  
 Mining Institute of Scotland.  
 Mining Journal.  
 Mining and Engineering World.  
 Mining and Engineering Review.  
 Mining and Scientific Press.  
 Melbourne 'Varsity Engineer.  
 North of England Institute of Mining and Mechanical Engineers.  
 Queensland Government Mining Journal.  
 Royal Society of Victoria.  
 Salon.

School of Mines, Quarterly.  
Science Conspectus.  
Toronto University Calendar.  
Western Railway Club.

## FINANCIAL.

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### TREASURER'S REPORT.

Gentlemen,—

I have the honour to present to you the Balance Sheets for the year ending 31st March, 1917. These show a small deficit.

WILLIAM A. MILLER,

Hon. Treasurer.

12th April, 1917.

**GENERAL ACCOUNT.**  
*BALANCE SHEET at 31st March, 1917.*

RECEIPTS.				EXPENDITURE.								
		£	s.	d.			£	s.	d.			
Balance at 31st March, 1916	.. .. .			66	3	2	General Printing and Postage of Galleys	.. .. .	10	4	6	
Interest on Current Account	.. .. .			0	15	10	Petty Cash Account—					
Subscriptions—Current	.. .. .	34	17	6			Expenses of Meetings and Sun-					
Arrears	.. .. .	18	15	0			dries	.. .. .	8	8	2	
Advance	.. .. .	0	7	6			Stamps	.. .. .	0	16	5	
					54	0	0			9	4	7
Transfer from Life Membership Account in accordance with Clause 33	.. .. .			12	2	2	Balance	.. .. .		113	12	1
					£133	1	2			£133	1	2

Audited and found correct,  
ROBERT A. DALLEN,  
O. U. VONWILLER.  
26th April, 1917.

WILLIAM A. MILLER,  
*Hon. Treasurer.*

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**LIFE MEMBERSHIP ACCOUNT, Session 1916-17.**

				£	s.	d.						
Balance at March 31st, 1914	.. .. .			116	7	6	Transfer of 10 per cent. to General Account, in accordance with Clause 33	.. .. .		12	2	2
Interest to June, 1914	.. .. .			4	14	3	Balance	.. .. .		108	19	7
					£121	1	9			£121	1	9

Audited and found correct,  
ROBERT A. DALLEN,  
O. U. VONWILLER.  
26th April, 1917.

WILLIAM A. MILLER,  
*Hon. Treasurer.*

# GENERAL ACCOUNT, *Session 1916-7.*

## *Cash and Liabilities.*

	£	s.	d.		£	s.	d.
March 31st, 1917.							
Balance .. .. .	113	12	1	March 31st, 1917.—To F. Clark, Printer—			
Estimated Deficit .. .. .	1	7	11	Estimated Cost of Journal, 1915-17 ..	110	0	0
				Estimated Wrapping and Posting Galleys and			
				General Printing .. .. .	5	0	0
	£115	0	0		£115	0	0
	£115	0	0		£115	0	0

12th April, 1917.

WILLIAM A. MILLER,  
*Hon. Treasurer.*

## PRIZE FUNDS, *Session 1916-17.*

	£	s.	d.		£	s.	d.
Balance on 31st March, 1916 .. .. .	9	6	11	Balance .. .. .	9	13	8
Interest to June, 1916 .. .. .	0	6	9				
	£9	13	8		£9	13	8
	£9	13	8		£9	13	8

Audited and found correct,  
ROBERT A. DALLEN,  
O. U. VONWILLER.

26th April, 1917.

WILLIAM A. MILLER,  
*Hon. Treasurer.*