

THE ENGINEERING ASSOCIATION OF N. S. WALES.

Annual Report of Council and Balance Sheet.

FOR THE

YEAR ENDING 30th SEPTEMBER, 1919.

Your Council have pleasure in presenting the Forty-ninth Annual Report of the Association, in which will be found an account of the work carried out during the session ending 30th September, 1919.

The following gentlemen were elected members of the Association during the year, viz. :—

Members—E. M. Dixon, M. MacTaggart, A. Y. Harris, J. Ewart, A. Nesfield, P. G. Didsbury, W. C. Smiles, N. C. Petrie, A. Wilson, D. J. Malone, H. H. Newell, T. C. Groom, S. D. Handley, R. Vowell, J. A. Smith, G. R. Cockburn, A. F. Askill, G. W. Grayson.

Associate Members—F. N. M. Nance, W. D. Watson, A. H. Swan, G. M. Ritchie, S. Ritchie, B. I. Hooper.

Student Members—J. W. Tucker, J. McComb, A. F. Julius, E. R. Harris, F. I. Peterson.

Resignations.—The following gentlemen have resigned from membership:—T. O. Morland, T. F. Morrison, H. Vale (members), R. R. King, jnr. (associate member), F. Honey and H. V. Hoskins (student members). Mr. E. G. Waters' name has been removed from the list of members.

Obituary.—We received with deep regret the announcement of the death of Private O. W. Baker and Private J. W. Williams (student members) who were killed in action.

Transfer of Members.—Mr. A. C. Armstrong (graduate), and Messrs. S. J. McAuliffe, K. McK. Fletcher and T. M. Baylis (student members), were transferred to Associate Membership.

MEMBERSHIP.

The addition of twenty-nine new members is very gratifying to your Council, especially in view of the fact that higher qualifications have been called for than in preceding years.

The changes effected during the past session are shown in the following table:—

	M.	A. M.	A.	G.	S.	Totals,	
Totals at Sept. 30, 1918	178	23	5	10	54	...	270
Elected since ..	18	6	...	...	6	...	...
Transferred ...	...	...	...	1	3	...	...
Additions ...	...	...	...	...	...	29	...
Deceased ...	...	...	...	...	2	...	...
Resigned ...	3	1	...	...	2	...	...
Deductions ...	...	...	...	...	...	8	...
Net Alterations, 1919...	+14	+9	...	-1	-7	...	21
Totals at Sept. 30, 1919	192	32	5	9	53	...	291

VOLUNTARY SUBSCRIPTIONS.

Your Council again appealed during this session for voluntary subscriptions to enable our members who were on active service to be relieved of their obligation to the Association, and it has to be placed on record that the sum of £48/8/9 was generously donated. Thanks are due to the members who have so regularly and conscientiously contributed towards the fund, and as the great war has terminated, happily in favour of Britain and her Allies, it will be necessary to make a similar appeal for the coming year.

MEMBERS RETURNING FROM ACTIVE SERVICE.

Your Council takes this opportunity of welcoming back to the State and to the Association members who have nobly served the Empire during the period of the recent war, and it is hoped that each returned member will advise the Hon. Secretary as soon as possible of his present address, in order that our records may be complete.

HONOUR ROLL.

Your Council has under consideration the provision of a permanent Honour Board, which will contain the names of members who enlisted for service abroad. The arrangement of this matter will be one of the first duties of the Council elected for 1919-20.

COUNCIL MEETINGS.

During the session 12 ordinary Council meetings were held, and one special meeting, at which the attendances were as follows:—

	Council Meetings.	Special Meetings.
D. F. J. Harricks	12	1
Jas. Vicars	9	1
J. G. McEwin	10	1
H. L. Thompson	12	1
J. McNamara	11	1
Wm. Poole	12	1
A. J. Hart	7	1
E. E. Lucy	—	—
J. G. Lancaster	10	1
W. E. Adams	2	—
H. J. Swain	7	—
J. J. King-Salter	2	1
Russell Sinclair	4	1
Walter Reeks	9	1

PAPERS READ AT GENERAL MEETINGS.

The following papers were read and discussed at the General Meetings during the Session:—

October 11th, 1918: Address by the President, Mr. D. F. J. Harricks.

November 14th, 1918: "The Development of Women's Work during Wartime in England," by Mr. Russell Sinclair."

March 13th, 1919: "Modern Coking Practice and By-product Recovery," by Mr. S. J. McAuliffe.

June 12th, 1919: "Some Notes on Wool-Dumping," by Mr. J. W. Bell.

September 11th, 1919: "The Dynamic Balancing of Rotating Masses," by Mr. J. J. King-Salter.

In addition to the above, a special joint meeting under the auspices of the Electrical Association of Australia, N.S.W. Branch, was held, when a paper was read by Dr. J. P. V. Madsen, entitled "Preliminary Account of a Magnetic Extensometer."

Two of our ordinary general meetings were postponed on account of an influenza epidemic.

SPECIAL SUB-COMMITTEES.

During the session special sub-committees have been appointed by your Council, in connection with the following matters, viz. :—

Good Roads Committee.—Messrs. Jas. Vicars and Mr. A. J. Hart, who acted as representatives of the Association on a deputation to the Minister.

A Structural Steel Conference was held in Melbourne on July 31st, at which the Senior Vice-President, Mr. James Vicars, represented the Association, and very ably assisted in the discussion upon the question of what sections are most suitable for Australian conditions. It was announced at the conference that a sum of £250,000 would be expended shortly on providing plant to roll the special sections selected.

Engineering Standardisation.—The State Section of the Advisory Council of the Bureau of Science and Industry called a conference of representatives of the engineering associations of N.S.W., with the object of bringing the important matter of engineering standardisation to a more definite position. The representatives appointed for the Association were the President, Mr. D. F. J. Harricks, Senior Vice-President, Mr. Jas. Vicars, Mr. Russell Sinclair, Councillor, and Mr. J. McNamara, Hon. Secretary.

A joint meeting of representatives of the engineering societies of this State was convened by our President on the 21st November, 1918, at which representatives from the Electrical Association of Australia, N.S.W. Section, the Sydney University Engineering Society, and the members of the sub-committee previously mentioned, were present. The following resolution was unanimously approved, and it was decided to bring it before the above-mentioned conference, which in due course was done:—

“That, in view of the action in Great Britain, where a British Engineering Standardisation Committee was formed in 1901 by representatives from the Institution of Civil Engineers, the Institution of Mechanical Engineers, the Institution of Naval Architects, the Iron and Steel Institute, and the Institution of Electrical Engineers, and in view of the action in the United States of America and other foreign countries where standardisation committees

have been appointed by the various Engineering Institutions in those countries, it is recommended that the Engineering Standards Committee of Australia be appointed by the various Engineering Associations or Societies at present existing in Australia, and shall include engineers appointed by the Government Departments and Public Utilities.”

REPATRIATION.

In conjunction with the other Engineering Societies in the State, an endeavour was made by your Council some months ago to render available to the Commonwealth Government the services of members of the Engineering Associations in whatever direction the Government thought they could assist repatriation. The only practical outcome has been that representatives of the Societies have been appointed to the State Vocational Committee.

AMALGAMATION OF ENGINEERING SOCIETIES.

Members have received from time to time advice as to the position with respect to this matter, but it is well to place on record here the fact that when the question of the Association becoming a Foundation Member of the new Institution was submitted at two special general meetings of the Association, a unanimous answer in the affirmative was given.

Such an overwhelming majority of the Associations in the Commonwealth have similarly approved that on the 1st of August last it was beyond doubt that the Institution of Engineers of Australia was practically inaugurated, and the first meeting of the first Council of the new Institution will take place very shortly.

Our hopes for the foundation of such an Institution having been carried to a successful conclusion, it now remains for the members of the Association to give their enthusiastic support to the movement, for it is felt that the important factor of personal activity for the welfare of the new Institution is the one essential to assure complete success. The members of the Association have given such active support to the work which has fallen to their lot, and co-operation with the other Societies has been so satisfactory, that your Council feel no doubt as

to the response that will be made to a request for the continuation of such support to the new Institution of which they will all be members in the future.

LIBRARY REPORT.

During the past session the Library Committee has met regularly to consider the question of additions, exchanges, etc., of books, periodicals, and Proceedings of other bodies with a view to bringing our Library up to date. We think some measure of success has resulted from the efforts of the Committee, as the Library now contains 44 sets of "Transactions," 254 Text Books, and 26 Journals.

A reference to the catalogue published in the current "Proceedings" will furnish information as to the scope of the books purchased.

In order that members may have more opportunity of using the Library, your Council has issued the following circular:—

August 23rd, 1919.

To The Members of The

ENGINEERING ASSOCIATION OF NEW SOUTH WALES.

Your Council, at the suggestion of the Library Committee, has decided, in order to provide a further opportunity for Members to avail themselves of the Library, to have the room open on every Tuesday night from 7 to 9.30 p.m. A member of the Association, together with a Member of the Electrical Association (whose Library is now housed in the same room), will be present to assist Members in locating any reading matter which they might desire.

The Council feels that in arranging for the Library being open at night as above mentioned, many Members who have not been able to visit it during the day, will now have a better opportunity of making use of it.

The current issue of our Proceedings contains a complete and up-to-date list of all transactions, text books, and journals available. All three sections have recently been considerably added to, so that there are now 44 sets of Transactions, 254 Text Books and 26 Journals.

Your Council earnestly invites you to make better use of the Association's Library, towards the maintenance of which the interest from the P. N. Russell Bequest has been devoted, and they would be glad of any suggestions from Members with regard to the names of text books or journals that it is considered would add to the value of the Library as a means of reference, and any other proposals that would lead to the more general use of the Library.

J. McNAMARA,
Hon. Secretary.

STUDENTS' SECTION.

This section is still labouring under the disadvantage of reduced membership, owing to the recent war. However, we hope for enthusiastic meetings during the coming session, when the majority of members who have been on active service will have returned from abroad.

Your Council wishes to express its indebtedness to the active Hon. Secretary of the Students' Section, Mr. E. S. Maclean, whose untiring energy has done so much in keeping the interest of the junior members centred on their work.

The following papers were read before the Students' Section during the session:—

22nd November, 1919: "Automobile Cylinder Lubricating Oils," by Mr. E. S. Maclean. Chairman, Mr. G. Stevenson.

28th March, 1919: "Iron and Steel Foundry Practice," by Mr. A. M. Brown. Chairman, Mr. G. A. Julius.

27th June, 1919: "Condensers and Their Effect on Power Plant Economy," by Mr. W. R. Morris. Chairman: Mr. D. F. J. Harricks.

29th August, 1919: "Wooden Ship Building in N.S.W.," by Mr. L. Voss. Chairman, Mr. Walter Reeks.

26th September, 1919: "Air Ejectors, Applied to Condensers," by Mr. A. J. Coyle. Chairman, Mr. J. R. Hunter.

ACCOUNT OF RECEIPTS AND EXPENDITURE. YEAR ENDED 30th SEPTEMBER, 1919.

		£	s.	d.	£	s.	d.			£	s.	d.	£	s.	d.
1918—October 1—								1919—September 30—							
To Balance—								By Printing and Reporting							
Bank of N.S.W.		157	1	3				Proceedings	125	16	3				
Govt. Savings Bank of N.S.W.		234	8	4				„ Rent of Rooms	90	0	0				
Commonwealth of Aus- tralia—Inscribed Stock		3000	0	0				„ Asst. Secretary's Salary	86	13	4				
Cash in Hand		3	10	8				„ Stamps and Postages	26	7	11				
					3395	0	3	„ General Printing	14	1	0				
1919—September 30—								„ Stationery	9	0	4				
To Members' Subscriptions								„ General Expenses—							
received		464	12	6				Telephone	7	17	3				
„ Members' Entrance Fees								Electricity Supply	2	1	5				
received		29	8	0				Audit Fee	5	5	0				
„ Members' Voluntary Subs.								Sundries	10	10	4				
received		48	8	9				„ Hire of Lantern for Gene- ral Meeting	5	0	0				
					542	9	3	„ Insurance	0	17	5				
„ Interest—												383	10	3	
Commonwealth of Aus- tralia War Loan In- terest		148	0	0				„ Library—							
„ Government Savings Bank of N.S.W.—Interest . .		5	19	2				Books, Furniture, etc. . .				30	9	9	
					153	19	2	„ Amalgamation Expenses				119	17	7	
„ Withdrawal from Bank of N.S.W.					100	0	0	„ Deposit Govt. Savings Bank of N.S.W.				100	0	0	
„ Withdrawal from Govt. Savings Bank					200	0	0	„ Purchase of War Loan In- scribed Stock				200	0	0	
„ Sundries—								„ Balance—							
Exchanges		0	10	0				Bank of N.S.W.	220	2	3				
Sale of Members' Certifi- cates		3	2	6				Govt. Savings Bank of N.S.W.	140	7	6				
					3	12	6	„ C'wealth of Australia In- scribed Stock	3200	0	0				
								Cash in Hand	0	13	10				
												3561	3	7	
					£4395	1	2					£4395	1	2	

