



The
Institution of Engineers
Australia

PERTH DIVISION

Annual Report

for the

Eighteenth Session

1937

GLEDDEN BUILDINGS,
PERTH.

The Institution of Engineers, Australia

PERTH DIVISION.

COMMITTEE REPORT FOR THE YEAR ENDING 31st DECEMBER, 1937.

The retiring Committee has pleasure in presenting its report of the 18th Session of the Perth Division of The Institution.

The Annual General Meeting was held in the Karrakatta Club on 5th April, 1937, at 8 p.m., when the following members were declared elected as Officers and Committee for 1937:—

Chairman	Mr. G. Drake-Brockman
Vice-Chairman	J. W. Young
Vice-Chairman	W. A. McCullough
Hon. Secretary	E. H. Oldham
Hon. Treasurer	A. G. Sloane
Asst. Hon. Secretary	E. W. C. Godfrey

Committee: Associate Professors O. F. Blakey and A. T. Bowden, Messrs. J. Andrew, J. S. Foxall, F. M. Kenworthy, C. P. Morgan.

Attendances at Committee Meetings during the year were as follows:—

J. Andrew	12	F. M. Kenworthy	10
O. F. Blakey	9	W. A. McCullough	6
A. T. Bowden	10	C. P. Morgan	10
G. Drake-Brockman	8	E. H. Oldham	10
J. S. Foxall	7	A. G. Sloane	10
E. W. C. Godfrey	7	J. W. Young	9

MEMBERSHIP.

Membership at the 31st December, 1937:—

Members	26
Associate Members	153
Associates	1
Juniors	38
Students	50
	<hr/>
	268

This is an increase of one over last year.

The following were elected members during the year:—

Member:

McCabe, W. B.

Associate Members:

Brennan, T. F.

Bril, A.

Dent, A. L.

Maguire, T. H.

McKie, J.

Junior:

Marshall, W. A.

Students:

Walker, R. S.

Dartnall, W. R. G.

Leevers, J. H.

Rutherford, R. D.

Moore, V. L.

Dawson, B. F.

Grade Transfers during the year:—

Junior to Associate Member:

Dunstan, W. N.
Stephenson, A. E. R.
McBurney, J.
Blown, W. H.
Ehlers, C. R.
Herbert, W. M.
Weaver, W. E.

Student to Associate Member:

Manners, G. S.
Nevile, R. L.
Blatchford, C. F.
Bottrell, F. H.

Student to Junior:

Knott, J. R.
Hicks, H. N.
Murray, J. D.

Transfers from other Divisions:—

Barr, F. R. A.M.	Green, W. A. M. A.M.
Edwards, R. D. J.	Scarborough, L. C. A.M.

Transfers to other Divisions:—

Askew, S. R. M.	Gilmour, F. W. A.M.
Campbell, B. W. J.	Martin, J. D. Jr.
Robertson, W. K. Jr.	Hicks, H. N. Jr.
McDowell, J. A.M.	Tolerton, J. R. St.
Morrison, D. M. Std.	Seymour, T. P. Jr.
Granger, V. C. A.M.	

Resignations, etc.:—

Jones, E. M. St.	Cohn, C. R. S. St.
Mitchell, C. T. St.	Serjeant, H. M.

Death:—

Nobbs, J. E. R. A.M.

THE YEAR'S WORK.

The following General Meetings were held during the year:—

On 5th April, 1937, the 17th Annual General Meeting was held, at which the Chairman-elect, Mr. G. Drake-Brockman, delivered his address.

The 128th General Meeting was held on 26th April, when Mr. J. B. Horrigan, A.M.I.E.Aust., presented a paper entitled "Foundation Work at East Perth Power House."

At the 129th General Meeting, held on 24th May, a joint paper entitled, "New Water Conduit from Canning Dam," was given by Messrs. E. H. Oldham, M.I.E.Aust., and J. W. Allen, A.M.I.E.Aust.

The 130th General Meeting was held on 28th June, when Mr. A. W. Hardwicke, a former member of The Institution, who had recently returned from Russia, gave a very interesting address on "Some Engineering Works and Constructional Methods in Europe and Russia."

Mr. N. J. Henry, A.M.I.E.Aust., read a paper entitled "Bunbury Harbour Works," at the 131st General Meeting, which was held on 26th July, 1937.

The 132nd General Meeting took place on Monday, 23rd August, when Mr. F. Mills, A.M.I.E.Aust., delivered a paper on "Lubrication of Steam Locomotive Cylinders."

At the 133rd General Meeting, held on 27th September, Mr. E. G. Clifford, A.M.I.E.Aust., gave a short paper on "Some Considerations Relating to the use of Explosives," after which Mr. T. N. Kirton, Chief Inspector of Explosives, gave a short description of the history of explosives. Mr. H. E. Hill, of Government Analyst's Dept., also contributed to the discussion.

Carrying out a suggestion of the Council, that one of the General Meetings should be of a semi-public nature, the 134th General Meeting, at which ladies and members of other professional societies were present, was held at the Karrakatta Club on Monday, 23rd October, when 120 members and visitors listened with great interest to a lecture on "Bird Life," by Mr. L. Glauert, Curator of the Perth Museum. At the close of the meeting refreshments were served in the supper room.

Generally the attendance at General Meetings is improving—the average number present being about 45.

FINANCE.

The Annual Balance Sheet printed at the back of this report is presented for your information. Perusal of this will assure you that the financial position of the Division is sound.

QUARTERS FOR PROFESSIONAL SOCIETIES.

During 1936, when it was certain the University proposed building on the Gledden property on the corner of Hay and William Streets, the possibility of The Institution becoming lessee of part of the building was discussed with the University Senate, but at the close of the year nothing definite had been arranged.

We now have pleasure in announcing that an agreement has been finalised with the Senate whereby The Institution becomes the lessee of the top floor of the Gledden Building for a period of 10 years. The accommodation will consist of a Lecture Hall capable of seating about 140 people, a large Library, two Offices, and a Committee Room that will be used by the Senate of the University as well as by the Division.

Associated with us as tenants are the following Institutions:—

The Australian Chemical Institute,
The Royal Institute of Architects of W.A.,
Institution of Surveyors, W.A.,
The Australian Institute of Agricultural Science,
The Institute of Foresters of Australia, and
The Standards Association of Australia.

It is anticipated that the building and furnishings will be completed in time for the Annual General Meeting to be held there on 26th April.

COUNCIL MEETINGS.

It has been the endeavour of the Committee to have a representative at each Council Meeting. While this object is not easily attained, Councillors attended three out of the four Council Meetings held during the year.

Councillors for the 1938 Session are:—Associate Prof. O. F. Blakey, and Messrs. G. Drake-Brockman and J. W. Young.

LIBRARY.

The programme proposed for the Library during the Session was not carried out in its entirety as it was considered that it would be advisable to defer action until the new rooms were available, when the binding of the various journals would be proceeded with and the books housed in suitable shelves.

ANNUAL DINNER.

After a lapse of two years the Session was concluded by some 80 members and visitors attending the Annual Dinner held on 22nd November, at the Criterion Hotel.

The Lieutenant-Governor, Sir James Mitchell, was present, and among other visitors were the Minister for Works, the Hon. H. Millington, the Minister for Labour, the Hon. A. R. G. Hawke, and representatives from kindred Institutions.

SERVICE TO MEMBERS.

The providing of suitable Institution rooms appeared to be the greatest service that could be rendered to members during the year. With this object now obtained the incoming Committee will be able to consider other means of giving greater service to members.

The Kalgoorlie Group ceased to function, due chiefly to the difficulty in arranging meetings when the majority of the Group could be present. It is hoped that it will be possible during the coming Session to revise the activities of this Group.

DEFERRED SUBSCRIPTIONS FUND.

The improved economic conditions have removed the necessity of this fund, and the Council has decided to close it.

JUNIORS AND STUDENTS' SECTION.

The Section had a very successful year under the Chairmanship of Mr. K. F. Hudson. A number of meetings were held, of which some details are given hereunder in a short report from the Section.

Mr. J. R. Ehlers was the recipient of the prize awarded by the Cable Makers' Association, and Mr. H. H. Hinton was awarded the Division Prize for the best paper read before the Section.

WIRELESS TALKS.

Continuing the practise of the last few years, Wireless Talks on engineering subjects by members of the Division have been given during the year from Station 6WF. The six broadcasts given were as follows:—

"Steel in the Modern World"—Assoc.-Prof. O. F. Blakey,
M.I.E.Aust.

"Man and His Machine"—Assoc.-Prof. A. T. Bowden,
A.M.I.E.Aust.

"Electricity in the Modern World"—Mr. F. C. Edmondson,
M.I.E.Aust.

"Transport in the Modern World"—Mr. J. A. Ellis,
M.I.E.Aust.

"Modern Bridge Construction"—Mr. E. W. C. Godfrey,
A.M.I.E.Aust.

"Some Aspects of Water Supply"—Mr. A. M. Hutchinson,
M.I.E.Aust.

GENERAL.

The publicity given to The Institution by its activities during the last few years is without doubt reacting to our benefit, as exemplified in the recent appointment of three members to control "The Electricity Act, 1937," the Act providing for the members of the Electricity Advisory Committee to be either members of The Institution of Engineers, Australia, or of The Institution of Electrical Engineers, London.

E. H. OLDHAM,

Hon. Secretary.

JUNIORS AND STUDENTS' SECTION. ANNUAL REPORT.

The Management Committee has pleasure in presenting the Annual Report of the activities of the Section during the 1937 Session.

The 25th General Meeting was held in April when the Chairman of the Section, Mr. K. F. Hudson presented an address on "Military Electric Lighting."

The 26th General Meeting was held in May and Mr. A. H. Hicks read a paper entitled "Bulk Handling at Geraldton."

At the 27th General Meeting, held in June, Mr. J. C. Thomas read a paper entitled "Production of Coal Gas."

At the 28th Meeting Mr. G. W. Blackwood read a paper entitled "Some Locomotive Problems and their Solution," in July.

The 29th Meeting was held in August, and Mr. A. R. Hill read a paper entitled "Road Construction in Perth City Council."

The 30th Meeting was held in September, when a joint paper was presented by Messrs. H. T. Williams, C. R. Ehlers and P. G. Leyden on "Some Features on Works Management in connection with Engineering Work."

At the 31st General Meeting, held in October, Mr. H. H. Hinton read a paper entitled "Some Aspects of Air Conditioning in Buildings."

The quality of the papers read during the Session was excellent, and warranted a higher attendance of members than was found at some meetings.

The Annual Smoke Social was held on October 5th, at the Engineering School, Crawley, and was voted by all who attended, number 64, as an outstanding success. The thanks of the Section is due to Assoc.-Prof. O. F. Blakey for his making available the Engineering School, Crawley, for the function, and to the Engineering Students' Club at the University for the help given in arranging the room in which the function was held. Also sincere thanks are due to those artists who took the trouble to be present at the function, where their efforts were greatly appreciated.

The thanks of the members of the Section are due to those Senior members who served on the Management Committee for their continued interest and help.

P. G. LEYDEN,
Hon. Secretary.

AUDITORS' REPORT.

The Honorary Secretary,

The Institution of Engineers, Australia, Perth Division,
Perth.

Dear Sir,

1. We have pleasure in reporting having completed the audit of the books and accounts of the Perth Division of The Institution for the year ended 31st December, 1937, subject to

the following remarks. We append hereto the undermentioned Statements:—

Balance Sheet as at 31st December, 1937.

Revenue Account for the year ended 31st December, 1937.

Schedule of Subscriptions in Arrears at 31st December, 1937.

Schedule of Subscriptions paid in Advance at 31st December, 1937.

2. In accordance with the instructions issued by the Council of The Institution, only subscriptions (50%) actually collected during the year under review have been taken into account. Neither the whole nor any part of subscriptions in arrears at the balancing date have been brought into account, but the amount outstanding is shown as a Contingent Asset in a certificate on the Balance Sheet and a schedule of these subscriptions is appended. There are a number of other fees due by members which were not paid by December 31st last, and these are included in the same certificate and a list of these fees is attached.

3. The position in regard to Deferred Subscriptions did not change during the year.

We hold a certificate from the Commonwealth Bank of the amount of Inscribed Stock in the name of The Institution on 31st December, 1937.

5. Depreciation has been written off Furniture and Fittings and Library at a rate of not less than 10% per annum.

6. Subscriptions paid in Advance prior to 31st December, 1937, are shown as a liability in the Balance Sheet and a schedule of same is attached.

7. Accrued Interest on investments of Inscribed Stock has been brought into account at the balancing date.

8. The Revenue Account shows an excess of income over expenditure for the year of £144/16/7, and this has been added to the balance of Accumulated Funds, which now total £1,674/13/2.

9. In conclusion we have to state that subject to the comments contained in this report, and subject to the practice which has received your expressed approval, whereby certain items such as Telephone Charges, Interest on Loans, Deposits, etc., have been taken into account for a period of twelve months other than that covered by the Divisional financial year, the Balance Sheet, as appended hereto, is, in our opinion, properly drawn up so as to exhibit a true and proper position of the Perth Division of The Institution as at 31st December, 1937, and contains all the particulars required by the Memorandum and Articles of The Institution and the Rules of the Perth Division.

10. We desire to place on record the very satisfactory manner in which the Hon. Treasurer, Mr. A. G. Sloane, has kept the books of the Division and presented same with supporting evidence for audit.

With compliments, we are,

Yours faithfully,

E. & R. STEPHEN HART,

Chartered Accountants (Aust.),

Auditors.

THE INSTITUTION OF ENGINEERS, AUSTRALIA — PERTH DIVISION.
REVENUE ACCOUNT FOR THE YEAR ENDED 31st DECEMBER, 1937.

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THE INSTITUTION OF ENGINEERS, AUSTRALIA — PERTH DIVISION. BALANCE SHEET AS AT 31st DECEMBER, 1937.

LIABILITIES.				ASSETS.			
	£	s.	d.		£	s.	d.
Headquarters I.E. Australia—				Furniture and Fittings ..	86	19	9
Subscriptions, 50% ..	78	13	0	Less Depreciation for Year ..	22	1	10
Entrance Fees ..	1	1	0				
Sale of Publications, etc. ..	1	10	11	Library ..	45	15	9
				Less Depreciation for Year ..	4	11	7
Subscriptions Paid in Advance ..							
Subscription Suspense Account ..				Sundry Debtors—			
Accumulated Funds—				Re Deferred Subscriptions ..	18	7	6
Balance as per last Balance Sheet,	1529	16	7	Accrued Interest ..	6	12	0
31st December, 1936 ..							
Add: Excess of Income over Expenditure				Investments—			
for the year ended 31st December,				Commonwealth Inscribed Stock—			
1937 ..	144	16	7	1939, 4% ..	100	0	0
				1949, 3½% ..	200	0	0
				1948, 3% ..	200	0	0
				1942, 3¾% ..	400	0	0
				1938, 4% ..	450	0	0
				Cash at Bankers and On Hand—	1350	0	0
				Commonwealth Bank Current Account ..	131	19	6
				Commonwealth Savings Bank ..	162	1	0
				Cash on Hand ..	6	13	1
					300	13	7
					£1781	15	2

This is the Balance Sheet referred to in our report to the Division Committee under date 27th January, 1938.

E. H. OLDHAM,
Hon. Secretary.
A. GORDON SLOANE,
Hon. Treasurer.
27th January, 1938.
E. & R. STEPHEN HART,
Chartered Accountants (Aust.),
Auditors.

CONTINGENT ASSETS.

Subscriptions in Arrears—
We hereby certify that the value of Subscriptions in Arrears at 31st December, 1937, was as stated hereunder:—

	£	s.	d.
On account of year ended 31/12/37 ..	142	2	1
On account of year ended 31/12/36 ..	8	2	6
On account of year ended 31/12/35 ..	2	2	0
	£152	6	7

Particulars of the total involved are given in the schedule appended hereto; 50% of the whole or any portion of such arrears if and when collected shall be due to Headquarters.

There is also an amount of £6/6/- due by members for Entrance and Transfer Fees, the whole of which is due to Headquarters when collected.

E. & R. STEPHEN HART,
Chartered Accountants (Aust.),
Auditors.

