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1903

## Seventeenth Annual Report of the Governors of the City of Dublin Technical Schools and Science and Art Schools for the Session 1902 -1903

City of Dublin Technical Schools

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*City of Dublin Technical Schools,*

*LOWER KEVIN STREET*



SEVENTEENTH

# Annual Report

OF THE

GOVERNORS.

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1903.

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DOLLARD, PRINTINGHOUSE, DUBLIN, LIMITED.

1903.

# City of Dublin Technical Schools.

## TECHNICAL EDUCATION COMMITTEE

FOR THE

### County-Borough of Dublin

AND

### GOVERNORS OF THE TECHNICAL SCHOOLS.

The Committee is constituted, by Resolution of the Municipal Council, May, 1897, amended February, 1903, of:—

“The Right Hon. the Lord Mayor (Ex-officio) and fifteen Members of the Dublin Corporation, elected annually; two Representatives of the Founders of the Technical Schools and of the Subscribers, elected annually; five Representatives of Educational and other bodies, elected annually; and three Representatives of the Trades, elected annually by the Dublin United Trades Council.”

CHAIRMAN ... .. Mr. JOHN MULLIGAN.  
(Representative of the Founders and Subscribers.)

DEPUTY-CHAIRMAN ... .. Mr. JOHN GOOD.  
(Representative of the Master Builders' Association.)

The Right Hon. T. C. HARRINGTON, M.P., Lord Mayor.

ALDERMAN	DERWIN.	COUNCILLOR	DINNAGE.
“	DOWD.	“	HEALY.
“	HENNESSY.	“	M'KENNA.
“	IRELAND.	“	MONKS.
“	LENEHAN.	“	SMYTH.
“	WOODHAMS.	“	KELLY.
COUNCILLOR	ALTMAN.	“	VANCE.
“	COX.		

(Representatives of Municipal Council.)

Mr. GEORGE LEAHY, Mr. ANDREW MOORE, Mr. T. J. SHEEHAN.  
(Representatives of the Dublin Trades.)

Mr. W. R. J. MOLLOY, J.P., M.R.I.A., Commissioner of National Education  
(Representative of the Founders and Subscribers.)

Right Rev. Monsignor MOLLOY, D.D., D.Sc., Rector C.U.I.  
(Representative of the Catholic University of Ireland.)

Professor W. E. THRIFT, F.T.C.D.  
(Representative of School of Engineering. T.C.D.)

Professor N. W. HARTLEY, F.R.S., Dean of Faculty, R.C.Sc.I.  
(Representative of Royal College of Science, Ireland.)

Mr. EDWARD GIBSON  
(Representative of Dublin Guild of Master Painters.)

LOUIS ELY O'CARROLL,

*Secretary to Technical Education Committee  
Principal of the City of Dublin Technical Schools.*

# City of Dublin Technical Schools.

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## SEVENTEENTH ANNUAL REPORT

OF

GOVERNORS,

SESSION 1902-1903.

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THE record of the past year is one of marked progress in the work of the Schools. Several new features were introduced into the programme of studies, better equipment was provided for all the classes, and the number of students was exceptionally large.

Immediately prior to the opening of the classes for the Session, considerable structural alterations were made, and additional class rooms, lecture halls, and laboratories were provided. With the opening of the Session classes were started in four new subjects—Plasterers' Work, Modelling, Woodcarving, and Type-Writing—whilst advanced classes were provided in Magnetism and Electricity, Steam, Applied Mechanics, and Organic Chemistry. The Workshop in connection with the Mechanical Engineering Department was for the first time available to students, and an assistant demonstrator and four skilled mechanics were appointed to afford thorough instruction in the use of machinery, and to enable the teaching of Smiths' Work, Fitters' Work, Turners' Work, and Pattern Making to be conducted effectively. A considerable number of working models were also provided to illustrate the principles of Mechanics and the Construction and Design of Machinery. Two new laboratories were opened for instruction in Electric Lighting and Power Transmission, and assistants were appointed to help in lecturing and demonstrating to the large number of students who sought admission to the course. The Chemical Laboratories were reconstructed and furnished on a



larger scale, and on the newest and most approved lines, the number of applicants being, however, twice in excess of the available accommodation. The Art classes were also provided with the best models, casts and designs, and altogether a sum of £3,000 was expended during the year for the better equipment of the various classes. It is to the credit of our building and the equipment of our class-rooms, that we were able to meet the wishes of the Department of Agriculture and Technical Instruction by giving the use of class-rooms and laboratories for various courses conducted by that body in connection with the training of teachers.

The number of individual students enrolled was 1,613, as against 1,274 in the preceding Session, and the number of class enrolments was 2,196, as against 1,671. The number of pupils was thus not only greatly above that of previous years, but their tendency to take more than one class was particularly noticeable. The Schools were a centre for examinations under the Board of Education, the City and Guilds of London Institute, and the Society of Arts. The results of these examinations were highly satisfactory, exceptionally so in Building Construction, Chemistry, and Art subjects under the Board of Education; in Building Surveying, Electric Lighting, Plasterers' Work, and Cookery, under the City and Guilds. In Commercial subjects, under the Society of Arts, the first year in which candidates were presented for examination, such successes as 100 per cent. in Shorthand, 73 per cent. in French, 50 per cent. in Book-keeping, Arithmetic, and Typewriting attest the value of the instruction.

The City and Guilds of London Technical Institute, under which are registered the various classes in Industrial subjects, highly commended the arrangements made in our classes for Painters' Work—an arrangement by which two instructors work conjointly, the one teaching ordinary House Painting, Lettering and Graining, the other teaching Decorative Mural and Ecclesiastical Art. Strong approval was also expressed of the conjoint teaching of Plasterers' Work with Modelling in Clay. Further, the Inspector of the Institute who visited the class in Boot and Shoemaking reported very favourably on the work done both by the teacher and the class, limited accommodation notwithstanding.

Some samples of Painters' Work were retained in London for exhibition, and application was made for specimens of the work done in the Boot and Shoemaking class for a similar purpose.

Our Schools were frequently visited during the Session by the Inspectors of the Department of Agriculture and Technical Instruction, and their report is thus officially summarized:—

“ Good progress has been made in all departments of the School during the Session ; new class-room, laboratories, and Art rooms have been equipped, and instruction has been rendered more efficient by the introduction of new apparatus and models.

“ The provision of a special room for clay modelling enabled a number of students to produce good results, and the adjoining class-room for Plasterers' Work provided means for taking plaster casts of the clay models.

“ The new chemical laboratories—two in number—were not completed in time for the opening of the Session, and Practical Chemistry was not begun until after the Christmas holidays.”

It was an exceptional pleasure to have been able to appoint on our own Teaching Staff two former pupils of the Schools, Mr. Joseph Tierney, as assistant to the teacher of Electric Lighting and Power Transmission, and Mr. Joseph Burke, as an assistant to the teacher of Building Construction. Mr. Burke has since been appointed Surveyor to the Board of Works for Ireland. We are also greatly pleased to observe that many of our pupils have secured important appointments during the year on the teaching staffs of various Technical Institutes, and other valuable posts. We instance the following:—

Herbert T. Sykes has been appointed Teacher of Building Construction and allied subjects in Blackrock Technical Schools. Michael A. Manning, who has won the Master Builders' Prize for Building Construction, and also their prize for Building Surveying, has been appointed Teacher of these subjects in the Municipal Technical Schools, Kingstown. Michael J. Carroll, Manual Instructor, Congested Districts Board, Co. Mayo. John J. Lennon, James Mansfield, and Edward Ryall have been



appointed to teach Manual Instruction in districts in County Cork, and Thomas Byrne has been appointed Teacher of Plumbing in the Municipal Technical Institute, Cork, and John Shiel has been appointed Organising Secretary of the Kildare Technical Education Committee.

Also, many of our pupils have obtained positions in the Electric Lighting Department of the Dublin Corporation and of the Dublin Tramways Company.

We greatly regret the death, at the close of the Session, of Mr. P. J. O'Connor, one of our Teachers of Art subjects. Mr. O'Connor conducted his large classes with much ability, and his loss is felt in the educational work of the Schools.

The recent death of Councillor Albert Altman, who was for many years associated with us in the government of the Schools, has deprived us of an earnest, zealous and helpful colleague. Never absent from our meetings, he was always a constant and interested visitor to the classes, and was always ready to perform even more than his share of the duties of office. We shall long and deeply mourn his loss.

A statement showing the total income and expenditure in connection with the Technological and Commercial subjects will be found. The statement of the receipts and expenditure for Science and Art, and the Building Accounts is published in the Corporation Accounts appended to our report.

In Appendix I. will be found a return of the number of pupils attending the various Science, Art, Technological and Commercial classes; in Appendix II. the occupations of the students; in Appendix III. a return of the number of pupils attending from the north and south sides of the city and from the townships and outlying districts; in Appendix IV. a return of the attendances of the Governors of the Schools, and in Appendix V. a list of Life Members, Annual Subscribers, and Donors to the Schools for the year 1902-1903.

We take the opportunity to express our thanks to the Annual Subscribers and Donors for their continued support of the Schools; to the Master Builders' Association, and the Dublin

Guild of Master Painters, Messrs. Dockrell & Sons, Messrs. Kennan & Son, Mr. John Mulligan, Messrs. Manfield and Sons, Mr. E. J. Long, Mr. J. F. Keatinge, Mr. John Sibthorpe, and Mr. William Martin, for their kind gifts of prizes for special subjects and courses of study.

Our buildings were originally intended to accommodate 1,500 pupils. The number enrolled last Session, as we have shown, was considerably over that figure, and already in the Session which has just begun the number enrolled is over 1,800. This ever increasing demand must be met with every encouragement, and increased accommodation will be provided. It is the intention of the Technical Education Committee to build in the near future a larger School which, working conjointly with our Institution here, will bring to bear the advantages of Technical Instruction on our artisan population, and on our chief Dublin industries.

In conclusion we thank our large staff of teachers for the earnestness they have shown, and the success they have achieved, and, relying on their continued efficient services, we believe that the Session 1903-1904 will be a record one, in the history of our Schools.

JOHN MULLIGAN,  
*Chairman.*

25th November, 1903.



## APPENDIX I.

SESSION 1902-1903.

Return showing the number of Pupils attending the various Science,  
Art, Technological, and Commercial Classes.

SCIENCE AND ART	TECHNOLOGICAL	COMMERCIAL
Practical Geometry ... 42	Electrical Engineering 55	Handwriting ... 90
Machine Construction 41	Mechanical Engineer'g 49	English ... 86
Building Construction 134	Woodcarving ... 15	Book-keeping ... 75
Mathematics ... 36	Carpentry ... 57	Shorthand ... 134
Applied Mechanics ... 30	Bootmaking ... 15	Typewriting ... 62
Sound, Light and	Metal Plate Work 12	Commercial Arithmetic 237
Heat ... 13	Plumbing ... 37	French ... 62
Magnetism and	Building Surveying 38	German ... 10
Electricity ... 117	Tailors' Cutting ... 38	
Chemistry ... 157	Decorative Painting 25	
Steam ... 23	Painters' Work ... 52	
Physiography ... 64	Plasterers' Work ... 41	
Freehand Drawing ... 83	Manual Instruction 23	
Modelling ... 31	Linotype Printing 16	
Geometrical Drawing 77	Cookery ... 54	
	Dressmaking ... 65	
848	592	756



## APPENDIX III.

SESSION 1902-1903.

RETURN showing the number of Pupils attending the City of Dublin Technical Schools, from the City (North and South sides), Townships and Outlying Districts; also showing the numbers attending classes in Building subjects.

Locality	Number of Pupils	Pupils attending Building Subjects, which includes Building Construction, Building Surveying, Plumbing, Carpentry, Painting and Decorating, Plasterers' Work
City (North) ...	536	115
do. (South) ...	733	174
Rathmines ...	226	46
Rathfarnham ...	4	3
Pembroke ...	53	9
Dundrum and Stillorgan ...	6	0
Blackrock ...	8	1
Kingstown ..	12	2
Dalkey ...	6	2
Shanganagh ...	1	1
Loughlinstown ...	1	0
Bray ...	7	3
Howth ...	6	0
Rush ..	1	0
Lucan and Palmerstown ...	13	2
	1613	358





## APPENDIX V.

LIFE MEMBERS, ANNUAL SUBSCRIBERS, AND DONORS TO  
THE SCHOOLS FOR THE YEAR 1902-1903.

	Donations			Annual Subscriptions		
	£	s.	d.	£	s.	d.
Aberdeen, Earl of, The Right Hon., 1885 ...	25	0	0	—		
Allen, Henry ... ..	—			0	10	0
Arnott and Co., 1886 ... ..	25	0	0	—		
Baker, Wardell and Co., 1886 ... ..	25	0	0	—		
Booth, Brothers ... ..	—			1	0	0
Brown, Thomas and Co. ... ..	—			1	0	0
Barrington and Sons ... ..	—			1	0	0
Cadogan, Earl of, The Right Hon ...	25	0	0	—		
Carnarvon, Earl of, The Right Hon, 1886	25	0	0	—		
Crewe, Earl of, The Right Hon., 1892 ...	25	0	0	—		
Darcy and Co., 1886 ... ..	50	0	0	—		
Dockrell and Sons ... ..	—			1	0	0
Do. for Prize in Plumbing ... ..	—			2	0	0
Dollard, Joseph ... ..	—			1	0	0
Dublin Distilleries, 1886 ... ..	30	0	0	—		
Dublin Guild of Master Painters, for Prizes in Painters' Class ... ..	—			4	0	0
Dudley, Earl of, The Right Hon., Lord Lieute- nant, 1902 ... ..	25	0	0	—		
Eason, Charles, and Son ... ..	—			1	0	0
Edmundson and Son ... ..	—			1	0	0
Guinness, A., Son, and Co. ... ..	—			10	0	0
Hayes, William ... ..	—			0	5	0
Henshaw and Co. ... ..	—			0	10	0
Hibernian Bank ... ..	—			2	2	0
Hogg, W. and Co., 1886 ... ..	25	0	0	—		
Hutton, John, and Son ... ..	—			2	2	0
Jameson, John. and Son ... ..	100	0	0	—		
Jameson, William, and Co., 1886 ... ..	100	0	0	—		
Kennan and Sons, for Prize in Machine Drawing ... ..	—			1	0	0

	Donations			Annual Subscriptions		
	£	s.	d.	£	s.	d.
Kennedy, Charles, 1888 ... ..	50	0	0	—		
Londonderry, The Earl of, Right Hon., 1887	25	0	0	—		
Long, E. J. ... ..	—			0	10	0
M'Comas, S. W., and Son ... ..	—			0	5	0
Maguire and Son, 1887 ... ..	50	0	0	—		
Manfield and Sons, for Prize in Boot and Shoemaking ... ..	—			1	0	0
Mansfield and Sons ... ..	—			1	0	0
Martin, W., Son and Co. ... ..	—			1	0	0
Master Builders' Association, for Prizes ... ..	—			8	8	0
Meath, Earl of, The Right Hon., 1888 ... ..	25	0	0	—		
Millar, Adam, and Co., 1886 ... ..	25	0	0	1	0	0
Molloy, W. R. J., M.R.I.A. ... ..	—			1	0	0
Martin, W., Esq. ... ..	—			1	0	0
Mulligan, John ... ..	—			1	0	0
Nugent, Michael ... ..	—			1	0	0
Ogilvy, Alexander ... ..	—			1	0	0
Perry, George, 1886-89 ... ..	180	0	0	—		
Pim Bros., 1886 ... ..	50	0	0	—		
Power, John, and Son, 1886 ... ..	100	0	0	2	0	0
Poyntz, B., and Co. ... ..	—			1	0	0
Roe, George, and Co., 1886 ... ..	50	0	0	—		
Rooney, John C., 1892 ... ..	25	0	0	—		
Ross and Walpole ... ..	—			1	0	0
Royal Dublin Society, 1888-92 ... ..	50	0	0	—		
Sibthorpe, John, Prize in Painters' Class ... ..	—			1	1	0
Scott, Wm., and Co. ... ..	—			1	0	0
Skinnners, Worshipful Company of, 1887 ... ..	25	0	0	—		
Smallldridge, Samuel, 1892 ... ..	25	0	0	—		
The Right Hon. George Wyndham, M.P., Chief Secretary for Ireland ... ..	—			1	0	0
Yeates, S. M ... ..	—			1	1	0
Zetland, Earl of, The Right Hon., 1890 ... ..	25	0	0	—		



APPENDIX VI.

CITY OF DUBLIN TECHNICAL SCHOOLS.

Cash Account, from 1st August, 1902, to 31st July, 1903.

RECEIPTS.				EXPENDITURE.			
		£	s. d.			£	s. d.
Balance	...	482	5 0½	Instructors' and Secretary's Salaries	...	1332	4 0
Withdrawn from Deposit Account	...	2500	0 0	Commission on Collections	...	7	15 6
Interest thereon	...	59	6 6	Class Expenses	...	244	19 7
Grant, Technical Education Committee	...	2000	0 0	Printing and Stationery	...	362	8 8
Do. Board of Education, 1902-3	...	834	17 7	Scholarships and Prizes	...	62	3 9
Do. Science and Art	...	191	13 0	General Expenses	...	148	2 4
School Fees	...	304	14 8	Repairs and Renewals	...	1210	4 5
Subscriptions	...	80	15 0	Fuel and Gas	...	157	18 6
Sale of School Requisites	...	34	17 3	Furniture, Machinery, &c.	...	2276	7 2
Department of Agriculture and Technical Instruction, for use of rooms	...	20	0 0	Cash in Hibernian Bank	...	£590	14 3
				Cash on hands	...	115	0 10½
						705	15 1½
						£6507	19 0½
						£6507	19 0½

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Certified.

29th September, 1903.

STOKES BROS. & PIM,

Chartered Accountants.