

# **DOWTY GROUP PLC**

## **34th ANNUAL APPRENTICES' PRIZE-GIVING**

**THE TOWN HALL, CHELTENHAM  
MONDAY, 14th NOVEMBER, 1983**

1. Introduction by Sir Robert Hunt
2. Address by The Right Honourable The Viscount Tonypandy
3. Presentation of the prizes by Viscount Tonypandy
4. Presentation of completed indentures by Sir Robert Hunt
5. Vote of thanks to Viscount Tonypandy by Tim Fitz
6. Refreshments at the buffet in the Drawing Room, Refreshment Room and Pillar Room.

*Members of the Training Department will be wearing lapel badges during the evening.  
Parents and guests are invited to make themselves known to Department staff.*

## PLATFORM PARTY

1                    2                    3                    4                    5                    6

1. Mr. K. W. Browning, Director of Personnel and Training,  
Dowty Group
2. Mr. D. Morgan, Chief Executive, Dowty Group
3. The Viscount Tonypandy
4. Sir Robert Hunt, Chairman, Dowty Group
5. Mr. J. C. Bracher, Deputy Chairman and Financial Director,  
Dowty Group
6. Mr. E. N. Thurston, Training Manager, Dowty Group

Tim Fitz, the apprentice proposing the vote of thanks to Viscount Tonypandy, was educated at Cheltenham Grammar School. During his apprenticeship he graduated in Production Engineering at the University of Bath and is now at Dowty Mining Equipment.

## NOTES FOR PARENTS AND GUESTS

The recession affecting most of British Manufacturing Industry has caused us, for the first time, to have difficulty in placing apprentices at the end of their training. In spite of the recession we have up to now maintained the level of our apprentice intake for a variety of reasons. About half of the 34 apprentices, to whom we were originally unable to offer jobs at the end of their training, have been re-deployed into various Group Companies. It unfortunately looks as though a proportion of next year's craft apprentice intake will also pose us some difficulties.

It will continue to be our intention that all apprentices will be allowed to complete their training and for those we cannot employ in the Dowty Group we will attempt to find alternative employment.

It is quite evident that the balance of our intake will change in the near future, with greater emphasis on technician and technologist training accompanying a reduction in our intake of craft apprentices.

The continuing assistance given to Training in the Group by all staff in the Companies is much appreciated; as is the help we get from schools, colleges and universities.

Apprenticeship, yet again, has been discussed nationally, much of it in the context of the Government Youth Training Scheme. High level policy statements are made that the Youth Training Scheme will ultimately embrace all forms of apprenticeship, but it is extremely difficult to see how this, in the short and medium term, can be accomplished. One thing is certain and that is that the hard pressed Engineering Industry will be grateful for any financial assistance from the State in training its skilled people, because many other industries and disciplines have their skilled personnel trained and educated at State expense.

The Youth Training Scheme, a useful first step towards ensuring that all youngsters have some initial training, was supported by the Group and it had been intended to run a 72-strong Scheme in Gloucestershire. Unfortunately, we met resistance from some trade unions; but a more serious problem was the bureaucratic attitude of the Manpower Services Commission, who declined to take into account our reasons for maintaining our apprentice intake, as well as penalising us for engaging as employees some of the participants in our earlier pilot schemes.

Their rigid application of rules would have resulted in additional cost to our Gloucestershire Companies and accordingly we did not run a Youth Training Scheme in Gloucestershire. However, we are pleased to report the YTS is operating at our Wolverhampton and Worcester factories.

Some two years ago we decided to teach in-house our first year craftsmen who follow the City and Guilds 200 Course. The Technical Colleges, after an understandable first reaction, have been quite supportive of our efforts. It is interesting that the first two sets of results show that almost every apprentice has obtained either a credit or a distinction in that examination. This is an appreciable improvement on the performance of past years and reflects much credit on our Training Staff, who have taken on their additional role as lecturers with much enthusiasm.

Parents and Guests will see from the list of prize winners that this year a record eight students obtained first-class honours degrees. In congratulating them on their exceptional attainments, we must also bear in mind that it is not only academic results which indicate a person's potential.

Overseas experience continues to be made available to apprentices. Two of our students have worked in France, another in Germany and two other students worked in Dowty Companies in the USA. In addition, two of our Mechanical Engineering students undertook work in our South African Company. The Group has also offered training to young people from France, Germany, Malta, China and Sweden.

Inevitably, much of an apprenticeship is based on acquiring known experience and familiarity with today's technology, but a substantial part of our effort is devoted to developing thinking about tomorrow's techniques and practices. We are increasing our CNC facilities to train and retrain employees in modern machining practices. Brunel University has been at the forefront of a policy for student engineers to purchase their own personal computers, a policy which we endorse and support.

1983 saw the retirement of Bill Green BEM, after serving the Group for over 40 years, 30 of them in the Training Department. A former Chief Instructor, he had been in charge of craft training for many years. Substantial numbers of young people, some of whom who are now Managers and Directors, have passed through his hands as apprentices and they, like all of us, wish him a long and happy retirement.

# PRIZE-WINNERS

## SIR GEORGE DOWTY PRIZE

For initiative, ingenuity  
and inventiveness

Crossland P. DME

## RICHARDSON PRIZE

Consistently high standard  
achieved during Student  
Apprenticeship

Goodreid I. C. DR

## SIR ROY FEDDEN PRIZE

For the best kept Apprentice  
Training Record Book

Gardner R. J. DFS

## SPECIAL ACADEMIC PRIZES

(For First Class Honours Degrees)

|                   |          |
|-------------------|----------|
| Bethell N. J.     | DME      |
| Burgin M. R.      | DE Cont. |
| Elliott K. B.     | DS       |
| Goodreid I. C.    | DR       |
| Rumble A. W.      | DME      |
| Stefanyszyn M. D. | DR       |
| Winter J. F.      | DE Cont  |

**THE EDITH DOWTY PRIZE** for the best female Apprentice has been won by Miss N. S. Thomas of D. Meco. As she is temporarily in America she will receive it at a later date.

## A.U.E.W. (TASS) PRIZE

Presented by the AUEW  
(Technical and Supervisory  
Section) Cheltenham No. 1  
Branch, for the best  
prospective draughtsman

Febery S. M. DR

## SPECIAL CRAFT PRIZE

For outstanding practical  
ability and productivity

Godwin M. E. DR

## PRODUCTION PRIZE

For the most promising  
Production Engineer

Fitz T. J.

DME

## STUDENT COMMERCIAL PRIZE

For the most outstanding  
Student Commercial Apprentice

Hickin A. J.  
Park D.  
White J. H.

DBP  
DFS  
D. Meco

## FINAL YEAR PRIZES

### CRAFT

Baross C.  
Batchelor M. D.  
Gittings C. C.  
Hale P. E.  
Heritage I. J.  
Hewlett S. F.  
Quirk M. B.  
Smith N. J.

DFS Atworth  
UECL  
DR  
DR  
DME  
DFS  
IOM  
D.Meco

### TECHNICAL

Blowing K. W.  
Greaves A. J.  
Singleton P. A.  
Winwood C. M.

DME  
DBP  
D.Hucknall  
D.Meco

### STUDENT

Bethell N. J.  
Goodall N. J.  
Pendrey M. L.  
Rumble A. W.

DME  
DFS  
DR  
DME

## INTERMEDIATE

### CRAFT

Clarke J.  
Cuff S. M.  
Curnock R. D.  
Etchells R. J.  
Jones T. A.  
Mayfield M. W.  
Noad S.  
Pearce N.  
Smith N. C.  
Williams D.

DBP  
DFS  
DR  
DR  
DR  
DBP  
DFS Atworth  
DS  
D.Meco  
DR

**TECHNICAL**

|               |        |
|---------------|--------|
| Harris S. M.  | D.Meco |
| Hitchin Y. C. | DBP    |
| Ireland J. F. | DFS    |
| Leeming D. J. | DBP    |
| Smith G. C.   | DR     |
| Tarling S. K. | DR     |

**STUDENT**

|                |     |
|----------------|-----|
| Anson D. B.    | DME |
| Davis N. D.    | DBP |
| Drury H. J.    | DFS |
| Ricketts B. E. | DBP |
| Sleight R. A.  | DME |

**FIRST YEAR PRIZES**

**CRAFT**

|               |        |
|---------------|--------|
| Attwood I. M. | DFS    |
| Johnson J.    | DR     |
| Lane A. D.    | D.Meco |
| Malpass A.    | DBP    |
| Turner T. M.  | DME    |

**TECHNICAL**

|               |          |
|---------------|----------|
| Dusanj G.     | DBP      |
| Heredge P.    | DE Cont. |
| Roberts D. J. | DFS      |

**STUDENT**

|                 |     |
|-----------------|-----|
| Thorogood S. J. | DFS |
|-----------------|-----|

## INDENTURE RECIPIENTS

|                    |             |                 |             |
|--------------------|-------------|-----------------|-------------|
| Andrews J. M.      | DE Cont.    | Edwards J. M.   | DBP         |
| Artus S. A.        | DFS         | Evans G. T.     | LC          |
| Baldwin C. M.      | DHU         | Evans N. E.     | DE          |
| Barlow P. R.       | DR          | Farrington A.   | DS Newtown  |
| Baross C.          | DFS Atworth | Fereday D. M.   | DBP         |
| Batchelor M. D.    | UECL        | Fisher D. L.    | DR          |
| Bayle S. P. C.     | DR          | Flight M. A.    | DR          |
| Beard M. G.        | DR          | Fries S. G.     | DFS         |
| Beaven M. C.       | DME         | Gardner H.      | DHU         |
| Bennett A.         | DS          | Gibson R. C.    | DE Cont.    |
| Bernard H. M.      | D.Meco      | Gittings C. C.  | DR          |
| Bevan S. J.        | DR          | Goddard N. R.   | DME         |
| Blayney A. M.      | DG          | Godwin M. E.    | LC          |
| Blower S. G.       | DR          | Goodreid I. C.  | DR          |
| Blowing K. W.      | DME         | Greaves A. J.   | DBP         |
| Bond-Thorley A. M. | DR          | Green A. T.     | LC          |
| Bradley N. S.      | DBP         | Green M. J.     | DE          |
| Brown M. E.        | D.Meco      | Gregory B. S.   | DHU         |
| Brush M. G.        | DFS         | Griffiths S. L. | DBP         |
| Buckles N. P.      | LC          | Gwalchmai D. A. | D.Meco      |
| Bullock M. J.      | LC          | Gwynne W. R.    | DFS         |
| Burgin M. R.       | DE Cont.    | Hale P. E.      | DR          |
| Cable S.           | DR          | Hands S. D.     | IOM         |
| Capener M. A.      | DFS         | Harben T. I.    | DME         |
| Chambers R. J.     | DR          | Harris L. M.    | DR          |
| Chilton A. N.      | DME         | Harris R.       | DE          |
| Church A.          | DME         | Harrison J. A.  | DR          |
| Clark S. J.        | D.Meco      | Hart R. F.      | DBP         |
| Clifford P. D.     | DFS         | Hatton M. J.    | DME         |
| Coles I. D.        | DR          | Henderson D. A. | DR          |
| Collins M. J. D.   | DR          | Hensley S. I.   | DE          |
| Coomber K. F.      | DFS Atworth | Heritage I. J.  | DME         |
| Cox M. G.          | DFS         | Hewlett S. F.   | DFS         |
| Craig G. H.        | DR          | Holder A. W. J. | DR          |
| Daly P. T.         | DE          | Holder D. P.    | DHU         |
| Daniels N. J.      | DR          | Howes M. A.     | DFS         |
| Davis J. K.        | DR          | Horn C. J.      | LC          |
| Davison J. W.      | DFS         | Hunt N. P.      | DFS Atworth |
| Dench A. H. L.     | DFS         | Hurley B. P.    | DBP         |
| Dicks S. J.        | DE          | Hyett P. J.     | DFS         |
| Donovan P. J.      | DE Cont.    | Jacobs J. P.    | DFS         |
| Drinkwater S. P.   | D.Meco      | James A. C.     | DME         |
| Durrant S. M.      | DR          | James G. P.     | DR          |
| Dymond S. J.       | DHU         | Jayne N. P.     | DR          |
| Edwards D. J.      | DFS         | Jones A.        | DR          |



|                 |             |                   |             |
|-----------------|-------------|-------------------|-------------|
| Jones B. R.     | DHU         | Parkhurst C.      | DR          |
| Jones G. T.     | DR          | Parmar P. G.      | DFS         |
| Jones N. A.     | DBP         | Parris R. C.      | UECL        |
| Jones R. J.     | DBP         | Parrish C. J.     | DME         |
| Jones R. S.     | DFS         | Perry R. W.       | DS          |
|                 |             |                   |             |
| Kean N. G.      | IOM         | Phillips A. J.    | DR          |
| Keightley P. W. | DR          | Pinnock S. P.     | DR          |
| Kelly B. N.     | IOM         | Price C. R.       | DHU         |
| Kingscott P. J. | DFS         | Purvis P. J.      | LC          |
| Lane I. N.      | DR          | Quirk M. B.       | IOM         |
|                 |             |                   |             |
| Lee A. R.       | D.Meco      | Ralph R.          | DFS         |
| Lewis P. J.     | DME         | Ray D. D.         | DE Cont.    |
| Loade A. M.     | DME         | Read G. C.        | DPC         |
| Long P. A.      | DME         | Reeves R. M.      | DR          |
| Lyes G. J.      | LC          | Rhodes A.         | DME         |
|                 |             |                   |             |
| Mabey P. B.     | DR          | Roberts S.        | LC          |
| Mair R. K.      | DE Cont.    | Ross R.           | DE Cont.    |
| Makin I. R.     | DR          | Rossiter M. K.    | DFS         |
| Maloney S. P.   | DR          | Rowbery P.        | DBP         |
| Marshall G.     | DBP         | Sadler J. R.      | DBP         |
|                 |             |                   |             |
| Marshall R.     | DFS         | Scourfield D. B.  | DR          |
| Massam K. J.    | D.Meco      | Scrivens M. J.    | DR          |
| Matthews S.     | DE          | Simonds I. M.     | DR          |
| McFarlane I. R. | DE Cont.    | Singleton P. A.   | D.Hucknall  |
| McLeod I. A.    | DHU         | Smart A. P.       | DR          |
|                 |             |                   |             |
| Millard N. J.   | DR          | Smith M. A.       | DBP         |
| Miller R. D.    | DFS Atworth | Soltau M. H. D.   | DFS         |
| Mistry B.       | DE Comm     | Spurgeon R. D.    | UECL        |
| Moore E. W.     | IOM         | Stefanyszyn M. D. | DR          |
| Moore G. A.     | IOM         | Stinton P. J.     | D.Meco      |
|                 |             |                   |             |
| Moore S. L.     | DE Cont.    | Stokes A. J.      | DBP         |
| Morgan M.       | DR          | Tabone A.         | DE Cont.    |
| Morgan P. D.    | DME         | Tanner L. J.      | DHU         |
| Morris K. S.    | LC          | Tea D.            | DHU         |
| Moss I. C.      | DR          | Tebbs D. F.       | DFS         |
|                 |             |                   |             |
| Moss S. J.      | DPC         | Thom P. C.        | DFS Atworth |
| Motterham D.    | DR          | Thomas A. M.      | DR          |
| Naughton A. J.  | IOM         | Thompson R. W.    | D.Meco      |
| Naylor A.       | D.Hucknall  | Tilley P.         | DBP         |
| Newman M. S.    | D.Meco      | Tomlins G. M.     | D.Meco      |
|                 |             |                   |             |
| Oakley P. J.    | DBP         | Turbill V. J.     | DHU         |
| O'Brien C. J.   | LC          | Wakefield S. P.   | DR          |
| Oliver S. K.    | DBP         | Wasley M. A.      | DR          |
| Palmer M.       | DE          | Whateley S. R.    | DR          |
| Panes M. T.     | LC          | Whiley S. P.      | DFS         |

White J. H.  
Wilks L. A.  
Williams R. A.  
Willis A. S.  
Willis K. D.

D.Meco  
DR  
LC  
DR  
Dex Gears

Wilshire M.  
Winter J. F.  
Winwood C. M.  
Zymanczyk S. A.

D.Hucknall  
DE Cont.  
D. Meco  
DE Cont.

|             |                                           |
|-------------|-------------------------------------------|
| DBP         | Dowty Boulton Paul                        |
| DE          | Dowty Electrics                           |
| DE Comm.    | Dowty Electronics Communications Division |
| DE Cont.    | Dowty Electronics Controls Division       |
| DFS         | Dowty Fuel Systems                        |
| DFS Atworth | Dowty Fuel Systems Atworth                |
| DG          | Dowty Group                               |
| DHU         | Dowty Hydraulic Units                     |
| DME         | Dowty Mining Equipment                    |
| DPC         | Dowty Precision Castings                  |
| DR          | Dowty Rotol                               |
| DS          | Dowty Seals                               |
| IOM         | Iloman Engineering                        |
| D.Meco      | Dowty Meco                                |
| D.Hucknall  | Dowty Hucknall                            |
| UECL        | Ultra Electronic Components               |
| LC          | Left Company                              |

# **ACADEMIC SUCCESSES**

## **Throughout the 1982/83 Academic Year**

### **DEGREE — Mechanical, Production, Aeronautical and Systems Engineering**

|                |                   |              |
|----------------|-------------------|--------------|
| Barron R.      | Bethell N.        | Cheong T.    |
| Chittock S. M. | Coles I. D.       | Crossland P. |
| Dawson J. P.   | Elliott K. B.     | Fitz T.      |
| Goodall, N. J. | Goodreid I. C.    | Howes M. A.  |
| Parmar P. G.   | Pendrey M. L.     | Quigley P.   |
| Ralph R.       | Rumble A. W.      | Soltau M.    |
| Spink C. V.    | Stefanyszyn M. D. | Sullivan D.  |
| Tebbs D. F.    | Whiley S. P.      |              |

### **DEGREE — Electrical and Electronic Engineering**

|               |                  |             |
|---------------|------------------|-------------|
| Andrews J. M. | Burgin M. R.     | Evans N. E. |
| Gibson R. C.  | McFarlane, I. R. | Mistry B.   |
| Ray D. D.     | Winter J. F.     |             |

### **DEGREE — Business Studies**

|          |               |              |
|----------|---------------|--------------|
| Brown T. | Buckles N. P. | Clarke M. H. |
| Moore S. | White G.      | White J. H.  |

### **DEGREE — Applied Physics**

Zymanczyk S. A.

### **HIGHER NATIONAL DIPLOMA — Mechanical Engineering**

Marshall G.

### **TECHNICIAN EDUCATION COUNCIL**

#### **Higher Certificate in Mechanical and Production Engineering**

|                |                 |               |
|----------------|-----------------|---------------|
| Clark S. J.    | Flight M. A.    | Greaves A. J. |
| Harris L. M.   | Harris R.       | Jayne N. P.   |
| Jones A.       | Jones R. S.     | Lee A. R.     |
| Moore E. W.    | Penn N. G.      | Perry R. W.   |
| Read G. C.     | Singleton P. A. | Smith M. A.   |
| Thompson R. W. | Tilley P.       | Wilshire M.   |

**TECHNICIAN EDUCATION COUNCIL**  
**Higher Certificate in Electrical and Electronic Engineering**  
Winwood C. M.

**BUSINESS EDUCATION COUNCIL**  
**Higher Certificate in Business Studies**  
Bernard H. M.

**TECHNICIAN EDUCATION COUNCIL**  
**Certificate in Mechanical and Production Engineering**

|                 |                |                |
|-----------------|----------------|----------------|
| Brown P. A.     | Dixon R. J.    | Farr K. J.     |
| Ferguson J. C.  | Freeman P. J.  | Halling C. G.  |
| Hands S. D.     | Harris S. M.   | Hiatt J. M.    |
| Hitchin Y. C.   | Hodgson C. J.  | Jones N. A.    |
| Jordan N. R.    | Kean N. G.     | Leeming D. J.  |
| Lewis A. T.     | Phillips A. J. | Phillips K. R. |
| Rowlinson S. D. | Shingler S. W. | Smith A. C.    |

**TECHNICIAN EDUCATION COUNCIL**  
**Certificate in Electrical and Electronic Engineering**

|             |         |              |
|-------------|---------|--------------|
| Brown R. A. | Ross R. | Vigurs G. J. |
|-------------|---------|--------------|

**BUSINESS EDUCATION COUNCIL — Certificate**

McCulla J. M.  
Selwyn A. C.

CITY AND GUILDS MECHANICAL ENGINEERING  
CRAFT STUDIES — PARTS II AND III

|                  |                 |                    |
|------------------|-----------------|--------------------|
| Addis D. J.      | Alford M.       | Allen D. P.        |
| Andrews P. J.    | Artus S. A.     | Ashfield P. L.     |
| Baldwin C. M.    | Ball G. M.      | Bannister M. J.    |
| Barlow P. R.     | Barnard C. T.   | Baross C.          |
| Batchelor M. D.  | Beard M. G.     | Beavan M. C.       |
| Beech J. T.      | Bennett A.      | Blakeway S. D.     |
| Blick A. W.      | Bluck K. A.     | Bond-Thorley A. M. |
| Boon G. D.       | Bousfield D. G. | Bowlzer D. J.      |
| Bradley N. S.    | Brain A. M.     | Bray W. J.         |
| Brown D. M.      | Buck K. J.      | Bullock M. J.      |
| Burrows K. R.    | Cable S.        | Capener M. A.      |
| Chambers R. J.   | Church A.       | Clarke R.          |
| Collins M. J. D. | Coomber K. F.   | Cuff S. M.         |
| Dallard M. L.    | Daly P. T.      | Davies N. C.       |
| Dench A. H. L.   | Dicks S. J.     | Eaton D.           |
| Edwards D. J.    | Edwards M. J.   | Edwards S. P.      |
| Etchells R. J.   | Farrington A.   | Fereday D. M.      |
| Floyd B.         | Garcia C. I.    | Gardner R. J.      |
| Garle P. F.      | Gittings C. C.  | Goddard N. R.      |
| Godwin M. E.     | Goodwin C. A.   | Gould C. P.        |
| Grainger R.      | Green K.        | Green M. J. C.     |
| Gregory B. S.    | Greig A. W.     | Griffiths M. T.    |
| Griffiths S. L.  | Gwynne W. R.    | Hale P. E.         |
| Hamblin M. G. J. | Hammond S.      | Harrison J. A.     |
| Harrison J. W.   | Haywood S.      | Henderson D.       |
| Heritage I. J.   | Hewlett S. F.   | Holder A. W. J.    |
| Holder D. P.     | Hunt N. P.      | Hurley B. P.       |
| Hutton G. R.     | Jacobs J. P.    | James G. P.        |
| Jeanes D. A.     | Jones C. D.     | Jones E. W.        |
| Jones G. T.      | Jones J. J.     | Jones R. A.        |
| Jones R. J.      | Jones T. A.     | Keightley P. W.    |
| Kelly B. N.      | Kingscott P. J. | Lane I. N.         |
| Lane J. P.       | Lawrence A. S.  | Lightstone S. A.   |
| Loade A. M.      | Lyes G. J.      | Marshall R.        |
| Martin J. P.     | Matthews P. A.  | Mayfield M. W.     |
| McCulla J. H.    | McConnon G. S.  | McKie M. C.        |
| McLeod I. A.     | Meek P.         | Millard N. J.      |
| Miller R. D.     | Morgan M.       | Moss I. C.         |
| Moss S. J.       | Motterham D.    | Mullan A. C.       |
| Naughton A. J.   | Naylor A.       | O'Brien C. J.      |
| Oliver S. K.     | Palmer N. M.    | Panes M.           |
| Panes M. T.      | Parkhurst C.    | Peters C. M.       |
| Phillips A. J.   | Phillips I. G.  | Pinnock S. P.      |
| Price C. R.      | Probyn S. R.    | Purvis P. J.       |
| Quirk M. B.      | Rhodes A. J.    | Roberts C. T.      |
| Rossiter M. K.   | Rowbery P.      | Sadler J. R.       |
| Sangwin J. J.    | Scrivens M. J.  | Scrivens N.        |
| Scrivens S. C.   | Sherwood L. M.  | Shorthouse D. J.   |
| Simonds I. M.    | Simmonds P. E.  | Sims A.            |
| Singh O.         | Smart A. P.     | Smith N. J.        |
| Stephens A. J.   | Stokes A. J.    | Strange M. A.      |
| Summers C.       | Suthill K.      | Tanner L. J.       |
| Taylor G. B. W.  | Thom P. C.      | Thomas A. M.       |
| Thomas M. A.     | Turbill V. J.   | Walker D. T.       |
| Warren A. J.     | Wasley M. A.    | Westcarr M. N.     |
| Whateley S. R.   | Wilks L. A.     | Williams D.        |
| Williams R. A.   | Willis A. S.    | Willis K. D.       |
| Winter G. A.     | Woodward I.     |                    |

**CITY AND GUILDS ELECTRICAL INSULATION  
STUDIES PART III**

Lewis P. J.

**CITY AND GUILDS ELECTRONIC SERVICING  
STUDIES PART II**

Smith R. S.

**CITY AND GUILDS FABRICATION  
AND WELDING CRAFT STUDIES — PARTS II AND III**

Drinkwater S. P.

Staite A. P.

Wallace R. A.

**CITY AND GUILDS SHEET METAL  
AND THIN PLATE CRAFT STUDIES — PART II**

Wadley P.

**CITY AND GUILDS CARPENTRY AND  
JOINERY CRAFT STUDIES — PART III**

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