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The Development of Education and Training for the British Coal Industry and the Contributions made by Further and Higher Education with some Oral Testimonies

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‘The development of education and training for the British coal industry and the contributions made by further and higher education with some oral testimonies’

Burnley Municipal College Prospectus 1940-1941, p.72

Dr Martyn Walker
University of Huddersfield
Union of National Mineworkers Yorkshire Area

Prosperity, Peace, Social Welfare, Equality

No Nuclear Power, Happiness, Education, Endeavour

Unity is Strength

Dinnington Branch
• Previous research had identified a scattering of Mining Institutes, particularly in the North East,
• Malicious Injuries to Property Act (1861)
• Marchioness of Londonderry, 1867

• City and Guilds London Institute 1888
• Technical Instruction Acts 1889
Working environments
• The Miners’ Welfare Fund,
• Coal Mines Act of 1911,
• Foundation of Mining Colleges,
  • Barnsley, Yorkshire,
  • Chelmsford, Dinnington, Yorkshire,
  • Rotherham,
  • Wakefield and Castleford Colleges,
  • Burnley,
• Wigan and District Mining and Technical College
A career for tomorrow
for young lads of today

You're paid to learn a trade in the Country's

COALMINES
Barnsley Technical School Academic Year 1910-1911

Examination Number of successes

County Council Mining Examinations 45
County Council Science Examinations 45
Board of Education (General) Examinations 7
County Council Commercial Examinations 69
National Union of Teachers’ Examinations 31
Royal Society of Arts Examinations 17
City and Guilds London Institute (trades) 48
Scholarships to Sheffield and Leeds Universities 9

The Barnsley Education Committee Annual Distribution of Prizes and Report 1912,
Salaries in the mining industry in relation to qualifications 1962.

<table>
<thead>
<tr>
<th>Position</th>
<th>Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department (Administration)</td>
<td>£18 - £20 per week</td>
</tr>
<tr>
<td>Under Manager</td>
<td>£1,125 - £1,500 p.a.</td>
</tr>
<tr>
<td>Manager</td>
<td>£1,400 – 2,100 p.a.</td>
</tr>
<tr>
<td>Agent</td>
<td>£1,750 - £2,400 p.a.</td>
</tr>
<tr>
<td>Group Manager</td>
<td>£2,000 - £2,750 p.a.</td>
</tr>
<tr>
<td>Production Manager</td>
<td>£2,250 - £3,000 p.a.</td>
</tr>
<tr>
<td>Area Manager</td>
<td>£4,000 maximum p.a.</td>
</tr>
<tr>
<td>Colliery Engineer</td>
<td>£900 - £1,400 p.a.</td>
</tr>
<tr>
<td>Group Engineer</td>
<td>£1,005 - £1,600</td>
</tr>
<tr>
<td>Area Engineer</td>
<td>£1,550 - £2,150</td>
</tr>
<tr>
<td>Divisional Engineer</td>
<td>£2,000 - £2,750</td>
</tr>
</tbody>
</table>

The NCB also sponsor scholarships to University

Courses offered in the Mining Department at Rotherham College in 1956

- Juvenile Entrants Training Course,
- Pre-Senior Mining Course,
- Shot Firer’s Certificate,
- Deputy’s Certificate,
- Deputy’s part time Certificate Course,
- General Craft Course (Mining, Colliery Electrical Engineering and Colliery Mechanical Engineering),
- Advanced Certificate Course (Colliery Electrical Engineering and Colliery Mechanical Engineering),
- Ordinary National Certificate (Mining, Mine Surveying, Mine Mechanical Engineering, Mine Electrical Engineering),
- Higher National Certificate (Mining, Mine Surveying),
- Colliery Managers’ Certificate,
- A.M.I. Mining Engineering Course,
- Colliery Medical Attendance Course
- Colliery Rope-men's’ Course

*Rotherham College of Technology Prospectus 1956 – 1957, p.70*
<table>
<thead>
<tr>
<th>Subject</th>
<th>Pass</th>
<th>Referred</th>
<th>Failed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yorkshire Mining Exam Board, Pre-senior mining course.</td>
<td>44</td>
<td>14</td>
<td>22</td>
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<tr>
<td>General Mining Certificate.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculations</td>
<td>25</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Drawing</td>
<td>25</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Science</td>
<td>25</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Workshop technology and practice.</td>
<td>19</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>General Mining Course Part 1.</td>
<td>5</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>General Mining Course Part 2.</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>National Certificate Course in Mining</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ordinary National Certificate Part 1.</td>
<td>9</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Ordinary National Certificate Part 2.</td>
<td>11</td>
<td>1</td>
<td>6</td>
</tr>
</tbody>
</table>

*Chelmsford Institute Annual Report, Session 1959 – 1960, p.4*
Wigan and District Mining and Technical College

Mining Courses:

Associate Membership Examination for the Institute of Mining Engineers,
Wigan District and Mining and Technical College Mining Diploma, Approved by the Ministry of
Power under the Mining and Quarries Act of 1954
National Diploma in Mining (three year sandwich course),
National Certificate in Mining,
Colliery Deputies and Shot firers,
City and Guilds London Institute (City and Guilds) Coal Preparation and Fuel Testing
Geology, for the mining industry:
Colliery Diploma in Mining,
National Diploma in Mining,
Higher Nation Certificate in Mine Surveying,
Ordinary National Certificate in Mine Surveying,

Royal Institution of Charted Surveyors,
Institute of Mining Engineers,
Institute of Fuel,
London University BSc Degrees (general and specialists),
Institute of Civil Engineers,

Geology for general interest: General Certificate in Education Ordinary (‘O’ level) and Advanced
(‘A’ level) and degree level. Fieldwork is carried out in the Yorkshire Dales, Cliverger near Burnley
and Isle of Arran

Surveying for the mining industry:
National Certificate in Mine Surveying,
Royal Institute of Charted Surveyors,
GCE ‘O’ Level,

Law for the mining industry:
Ownership and development of mineral properties for builders, finance,
surveyors and mining engineers,
Subsidence and support,

Mechanical Engineering for the mining industry:
Colliery Mechanical Engineering,
Craft apprentice,
Mechanical Mining National Certificate
General Mining Mechanical,
Mining Industry Certificate for Mining Engineers,
City and Guilds in Mining and Mechanical Engineering (Class I and II),

Electrical Engineering for the mining industry:
Colliery Electrical Engineering,
Craft Apprentice,
City and Guilds Mining Electrical Engineer,
Wigan and District Mining and Technical College
Former Wigan and District Mining and Technical College Mining & Geology Laboratory

The Museum was ‘saved’ by a IT Lecturer who painstakingly put it back together in a classroom (on loan) at the Leigh site
Whitwood Mining and Technical College
Chelmsford Mining and Technical Institute

Burnley Municipal College

Atherton Science and Art School

Tyledesley Technical School

Leigh Municipal College (pt of Wigan & Leigh College)

Firth College Mining Department now University of Sheffield
Higher Education

- Glasgow University,
- Durham at Newcastle University,
- Manchester University,
- Leeds University,
- Sheffield University

NCB sponsored degrees at these universities. ‘Controlled’ the numbers of undergraduates each year.

NCB also sponsored sons and daughters of miners who were offered places at university.
Oral education history

Case study 1. John North East Coalfield
Case study 2. Alan Lancashire Coalfield

Case study 3. Dave Yorkshire Coalfield
Case study 4. Dan Yorkshire Coalfield
Summary

- From Rule of thumb to higher degrees,
- Employer funding: (NCB),
- Miners to Teachers,
- Mining Departments worked collaboratively with other subject areas,
- Decline in mining qualifications during 1980s but colleges and HEIs: offered qualifications for overseas students,
- Qualifications at all levels were highly regarded by employers outside the coal industry.