MINING TECHNOLOGY DIVISION
ANNUAL REPORT FOR 2017

1. Board membership

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Christine Blackmore</td>
<td>(MTD Chairman)</td>
</tr>
<tr>
<td>Alan Auld</td>
<td></td>
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<tr>
<td>Rod Stace</td>
<td></td>
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<tr>
<td>Darron Dixon-Hardy</td>
<td></td>
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<tr>
<td>Wyn Griffiths</td>
<td></td>
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<tr>
<td>Andrew Fulton</td>
<td>Charles Rhodes (standing down)</td>
</tr>
<tr>
<td>Robert Bacon</td>
<td>Norman Jackson</td>
</tr>
<tr>
<td>Andy Birtles</td>
<td>Robin Dean</td>
</tr>
<tr>
<td>Laurance Morris</td>
<td>Bob Siddall</td>
</tr>
<tr>
<td>Paul Bradley (joined MTD Oct 2017)</td>
<td>Pat Foster</td>
</tr>
<tr>
<td>Frances Perry (IOM3)</td>
<td>Honorary member</td>
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Steve Straw will replace Charles Rhodes on the MTD Board as of 19 April 2018 meeting.

2. Board meetings

MTD board meeting are now 4 times per year, due to increased MTD activities, in general will be held at IOM3 HQ London. Sub meetings depending on the motivation are held regularly eg: conference committee, newsletter group, case study consulting group etc. but fluctuate in location depending on people’s availability.

3. Activities during 2017

- Preparation of the MTD Brochure (see attached);
- Publication of seasonal newsletters (see example attached), contributions have been made by MTD board members and outside contributors;
- Revival of MTD e.mail address;
- Active involvement in STEM;
- 2 Day conference on “Current developments in the UK mining industry”;
- Continue and attend APPG meetings;
- Review of APPG brochure on UK mining and minerals, MTD will be responding;
- Review of subsidence case; and
- CIRIA publication review.

3.1. Technical programme

Summary; details in Appendix

3.2. Web-site developments

MTD will appoint a website co-ordinator during January 2018 Meeting. Our intention is to rejuvenate it, make all things have a “read by date on” etc. The new co-ordinator will be of mining origin and actively seek new mining items/articles.

3.3. Engagement with technical community and/or local societies

- Local societies are being encouraged to contribute to the MTD newsletter. One local society per newsletter is featured.
The MTD newsletter is distributed to the mining societies for any members not on the normal e.mail list or do not have computer facilities.

- Carry out questionnaire survey of branch members to see what the MTD can provide them with. Technical speakers, advice, contacts?
- MTD currently assisting other boards with sourcing speakers.

3.4. Contributions to IoM3 house journals

Members of MTD board have contributed during 2017:

- Security of Supply in Europe (Nov 2017);
- Contributions to other newsletters with regard to mining and minerals.

3.5. Other

- MTD linking up with EU FAME project and hosting a joint conference for the EU in December 2018;
- Linking with Canadian Institute for shaft sinking; and
- MTD assisting IOM3 with Russian conference.

4. Strategy and Objectives for 2018 and Beyond

4.1. Opportunities and constraints

- Forging closer link with other Boards;
- Encouraging liaison with overseas institutes;
- Encouraging overseas members to interact with MTD; and
- Constraint on contact with members, who have preference to mining related issues.

4.2. Specific targets for 2018

- Continue with MTD newsletter;
- MTD and EU FAME Conference;
- Assisting Earth Science lithium conference, finding speakers; and
- Assisting IOM3 with Russian conference.

4.3. Outline plans for the 4 years beyond 2017

1. Start coordination between the materials technology division to predict future raw material requirements.
2. Possible high-level symposium organised to link current hot materials with their raw supply- Lithium, Cobalt, Zinc? Materials do their side and we provided a corresponding supplier.
3. What does IMMa want from the MTD?
4. Invite Engineering Liaison Committee – Feedback on current issues in the mining industry.
5. Investment reduced for coal projects but can we promote coking coal projects and tell people the difference.

5. Other matters

- Try to encourage some younger members on to the board; and
• Try and include our overseas members to participate.

**Appendix: Technical Programme as of December 2017**

<table>
<thead>
<tr>
<th>Date (YY/MM/YYYY)</th>
<th>Status (Held/Progressing/Planned)</th>
<th>Title</th>
<th>Location</th>
<th>Organising Division(s)/Committee(s)/Collaborators</th>
<th>Financial Underwriter (IOM3/Local/Other)</th>
<th>100% Target No’s</th>
<th>Actual No’s</th>
</tr>
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<tbody>
<tr>
<td>9-10 April 2018</td>
<td>Planning stage</td>
<td>Lithium</td>
<td>Burlington House</td>
<td>Earth Sciences</td>
<td><strong>MTD assisting only</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>September 2018</td>
<td>Planning Stage</td>
<td>Visit by Russian mining engineers</td>
<td>IOM3 HQ</td>
<td>IOM3</td>
<td><strong>MTD assisting only</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 December 2018</td>
<td>Planning stage</td>
<td>Site visit, for some conference delegates to LME</td>
<td>LME London</td>
<td>MTD</td>
<td>Participants expense</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>5 and 6 December 2018</td>
<td>Planning stage</td>
<td>The FAME Conference in collaboration with MTD</td>
<td>IOM3 HQ</td>
<td>WAI/MTD</td>
<td>EU budget</td>
<td>80</td>
<td>70</td>
</tr>
<tr>
<td>5 December 2018</td>
<td>Planning stage</td>
<td>EU participants, MTD and invited guest to a networking evening</td>
<td>Thames River Boat</td>
<td>WAI/MTD</td>
<td>EU budget</td>
<td>70</td>
<td>60</td>
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