

Northern Mine Research Society

Newsletter February 1982

1982 Subs.

"Man can't live on bread alone", just as we can't exist without "Brass".

This years membership is even better value for money than ever before. Because we appreciate the hardships of some of our members we have held the subscription at the same level as last year, and have "topped up" the General account from Publications Aftersales.

So what do you get for your hard earned cash? Among other things 2 publications per year (£3.50 each to anyone else); plus 3rd party insurance cover against claims whilst engaged on activities in accord with the Societies aims; and last, but not least, these erudite extravaganzas - commonly referred to as Newsletters.

To those who have paid, the above is only of academic interest, your membership card is enclosed with this Newsletter. Thanks.

To those who have not, the above may be of interest, so please take this as a final reminder. At these prices we just cannot afford to send out any more reminders or bumph after this Newsletter if you don't cough up. To those in this category another renewal form is attached.

Society Officers for 1982. as elected at A.G.M. on 14th February 1982.

President	H.Houghton, 29 Parkside Rd, Meanwood, Leeds LS6 4LY.	0532 758505
Vice-Pres.	H.Barnes, Castle Hill Farm, Higher Westhouse, Ingletton.	
Junior Vice-Pres.	J.M.Dickinson, 8 Hazel Grove Rd, Sutton, Keighley.	0535 34075
Secretary	J.H.McNeil, 12 Woodville Rd, Brierfield, Nelson BB9 5RW.	0282 63297
Treasurer	Mrs S.M.Houghton, 29 Parkside Rd, Meanwood, Leeds LS6 4LY.	0532 758505
Editor	R.H.Bird, 41 Windsor Walk, South Anston, Sheffield S31 7EL.	0909 563229
PRO	H.Houghton, 29 Parkside Rd, Meanwood, Leeds LS6 4LY.	0532 758505
Recorder	M.C.Gill, 38 Main St, Sutton, Keighley BD20 8HD.	0535 35388
Librarian	R.E.Hewer, 36 Benomley Cres, Almondbury, Huddersfield.	0484 33943

Future Meets.

The following is a re-cap, plus additional information to that shown on your membership card (those who have paid) of Meets in the not too distant future.

Sunday 28th March 1982. Greenhow Hill. Leaders J.H.McNeil & L.O.Tyson.
Meet at the Miner's Arms at 10.30 am (SE 114642). N.B. British Summer Time begins so you loose 1 hours sleep - well actually it's now called European Summer Time.
Surface walk to Cockhill Mine & Smelt Mill, Providence Smelt Mill, Prosperous Smelt Mill, then to dressing floors at the High & Low Stoney Grooves Mines.
Bring waterproof clothing & packed lunch.

Easter Friday 9th April - Monday 12th April. Cornwall. Leader J.H.McNeil.
Meet and camp at Chacewater Caravan Park at 10.30 am (SW 740440).
Come along and explore Cornwall's Historic tin and copper mines as well as the beautiful Cornish scenery. Cornwall offers abundant surface remains of old engine houses, smelting houses etc., together with extensive underground networks for the explorer. (Several members will be extending the long weekend into a weeks holiday).
Caravan accomodation available at reasonable prices less 10% discount if you mention N.M.R.S. when booking. Details from Chacewater Caravan Park, Cox Hill, Chacewater, TRURO. Cornwall TR4 8LY. Tel. St. Day (0209) 820762. Camping is also available. Full facilities. H & C, showers etc.

May 1/3. Arkengarthdale. Leader L.O.Tyson.
Meet at C.B. Inn at 10.30 am (NZ 000031)

Spring Bank Holiday 29th/31st May. Wales, Dolgellau Area. Leader E.Gray-Thomas.
Meet at Ty'n-y-groes Hotel at 10.30 am (SH 727232)
Surface and underground exploration of local gold mines.
Camping: Contact Mr. I.Edwards, Dolmelynlyn Farm (SH 726240) for permission.
(Several members will be extending the long weekend into a weeks holiday.)

May 15/16th. Isle of Man. Leader J.Crompton
No details to hand in time for this Newsletter (and next won't be out till after the event). Suggest you contact the leader direct for information - Tel 0253 866661 or write to 28 Knowle Ave, Cleveleys, Blackpool FY5 3PP.

June 12/13th. Derbyshire. Leaders from P.D.M.H.S. organised by Lyn Willies.
Meet at Magpie Mine at 10.30 am. (SK 172682)
A variety of trips to suit all tastes; easy surface walks for the aged and geriatric like H.H. and John Mac; easy underground - just in case it rains; and hard underground trips.
Camping will be at Magpie Mine and limited covered accomodation is also available in the P.D.M.H.S. cottage at Magpie.
Hopefully P.D.M.H.S. will have their new water supply in operation for our visit.

Will meet Leaders who have further details about their meets please let me (H. Houghton) have details for the next Newsletter giving information on camp sites, trips (surface or underground) etc. Last date for copy 1st May, but it would be appreciated if I could have it before the last day. Ta.

Future Event.

August 20/28th 1982 - NAMHO/Whernside Manor. Mining Course at Whernside Manor, Dent, Cumbria.

Please refer to November 1981 Newsletter for details.

All bookings (with £20.00 deposit made payable to North Yorkshire County Council) to J.H. McNeil, 12 Woodville Rd, Brierfield, Nelson BB9 5RW no later than 30th June, 1982.

Pie & Pea Supper & Presidents Talk-in. November 14th 1981.

The 1981 Talk-in attracted 40/50 members & friends, and this meant that the General Meeting was again the best attended of the year.

Whilst the kitchen staff organised the first of the tea & biscuit breaks, Les gave a live performance with projector & screen. At last having given best to the screen, the matinee was set to begin - Les claiming the first innings on account of it being his bat and ball, so to speak.

John Hodgkins did an Arthur Roberts and showed a very good selection of black & white slides of old mining photos.

Another John, this time with the surfix Crompton, next showed a series of slides taken under and around Nenthead, which took us nicely up to Pie and Pea time.

Richard Hewer kicked off the evening performance with slides ranging from the Lakes to the Dales via Wales.

John Crompton did a second spell with slides taken around Haigh Colliery, Whitehaven.

The first of next years contenders for the Golden Chicken would appear to be John Mac. He sat down - said a few words - asked for "lights please" - and then the magazine fell out of the projector. This allowed Alan Winrow a chance to get in with his shots of Carrock & Brandy Bottle incline. John Mac proved that he hadn't gone home after all when he left the hall in such haste - after reloading the magazine he resumed his interrupted show.

The evenings performance was wound up by David Neal, showing the work they had done clearing levels, collecting rubbish and surveying at Hilton Mines.

Accompanying all this were plenty of photos, plans etc., all contributing to make this another good do.

Ta to all who participated.

H. Houghton.

Help Wanted

1. Denis Wildridge has in his possession a cash book 1888 - 1890 of the Cornamucklagh Mining Company, who seem to have some connection with the Monaghan Mining Co. Ltd.

If any one is doing any research in that area, which he believes is somewhere north of Belfast, he would be pleased to either have it photocopied or send same (whichever is the cheaper).

He has no idea why it should be in a solicitors in Whitehaven, where he believes it came from originally.

Contact Denis at "View Point", Ellerbeck Lane, Workington, Cumbria.

2. D. McCurdy wants to locate any "early" B.M. Series, i.e. 1 - 8, and 10 & 11. If you can help him, contact him at 111 Barn Lane, Golborne, Warrington WA3 3PR.

3. David Ifold of 22 Pyecome Corner, Woodside Park, London N 12 wants the following:-

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- a) British Mining No 6. 'The Mines of Merioneth' by J.R.Foster-Smith.
- b) 'Mining for Metals in Wales' by F.J.North, published by National Museum of Wales
- c) 'Metal Mines of Southern Wales' by G.W.Hall.

Good price paid for any of the above. Contact David (address on page 2).

Book Review No 1.

Extraction Metallurgy '81. pp441. Price £40. Publishers -The Institution of Mining and Metallurgy.

This collection of 42 papers describing research on the operation of advanced prototype plants was published for a conference organised by The Institution of Mining and Metallurgy in September 1981. There is no record of any of the discussions at the conference. Work from many countries is described, but all papers are translated into English; generally the standard of translation is good but traces of the original grammatical construction and occasional mistranslations (eg "false air" for "air in-leakage") can be found.

The papers are mainly concerned with the treatment of ores or effluents by processes which are more economic or cause less environmental pollution than current processes. At least 15 metals from aluminium to zinc are discussed. Some papers stop short at the mineral processing stage and do not get as far as extraction metallurgy, and the metallurgist will find many of them would be more helpful if they had concluded with a paragraph or two to help them assess the value of the metallic product for technological use. Nobbs and Linkson, for instance, recover copper from sulphate leach liquors but give no indication whether its physical and chemical form is suitable for direct melting or whether refining is necessary.

As with many collections of this type, the papers range from some which are excellent, through the many of reasonable standard to the one or two which are poor. The average of this collection is higher than that achieved in many collected conference papers.

Among the best is one of particular interest to our Society, "The Present State of Development of the QSL Lead Process" by Maczek, Blum and Fischer. The process operates in a single sealed magnesite lined kiln, the feed being any of a range of ore concentrates refinery redidues and battery slimes, the heat being provided by pulverised coal fluidised by air with oxygen injection to the melt to oxidise the last of the sulphides. The products are crude lead bullion, slag low enough in metal to discard and highly concentrated SO₂. Dust problems are minimised by operating at slightly below atmospheric pressure. This single prototype plant can handle 250 te per day! In principle, the process is exactly the same as used over the centuries, but in detail the reduction of environmental problems, the ability to handle a range of lead containing inputs, the low labour and capital cost per te put the process in a class of its own. A slight query must attend its ability to handle concentrates with appreciable zinc and cadmium which would condense in unwanted points of the circuit, but further development will surely deal with this.

Still at the pilot plant stage are processes designed to eliminate the major drawbacks of the Iron Blast Furnace, viz: the high capital costs of ore pre-treatment and manufacture of metallurgical coke. A useful paper by Eketorp, Wijk and Fukagawa describes several possibilities being examined practically which use ground ore and coal directly where attention is paid to reducing the size of the plant per te iron produced and minimising energy loss.

The older metallurgist could have expected developments along the lines of the above two papers, but will be surprised at the increasing number of hydro and electro metallurgical processes coming into being which could well displace the older pyro-metallurgical processes. One major advantage is that environmental control is much easier in low temperature wet process, and capital costs usually lower. A good paper in the electro-metallurgical field is "The Dextec Copper Process" by P.K.Everett where ground chalcopyrite is converted to copper powder, iron oxide and elemental sulphur by electrolysis in the presence of air bubbles in concentrated brine at 90°C.

Yet another reason for developing a "new" process is to enable a country to use its indigenous materials, rather than import the "best". Michelet describes in an excellent short paper "The H process for alumina from Shales", a route which could be used for production of alumina starting from the waste tips from coal mining. This could be used for aluminium production by the Hall-Heroult process instead of by the more recent Bayer process from the rarer bauxite mineral. The energy content of the

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waste coal helps reduce the economic gap.

The longest paper in the collection is among the worse, belonging to the "have technique, will do research" class. Tylko, Moore and Reid describe the "Extraction of metals in the new sustained shockwave plasma (SSP) reactor". Magnetite or chromite dust are suspended in a gaseous atmosphere with carbon (NB: not coal) dust and subjected to a pulsating plasma arc. Reduction to metal occurs, but after 20 pages it is more than disappointing to read "it is anticipated that both these metallic product ranges" (finely divided metal very high in carbon) "could be separated from the slag by conventional mineral processing techniques and refined in electric arc and/or AOD converter to provide a range of high quality alloy irons and steels". No analysis of costs, no comment on the one feature of the process that might be of value, (that the very rapidly cooled metal powder may have unusual mechanical properties). What is the purpose of the work, or of publishing the paper?

The only individuals who should contemplate buying this book are lecturers or consultants in the field of extraction metallurgy, but is a highly desirable addition to the library of University Departments or Development Laboratories working in the field.

R.Blue. G.B.Greenough.

Alwyn Austin has sent the following snippets.

1. Florence Mine, Egremont.

The small miners cooperative who have been working this mine since Beckermat shut last year, are having a tough time according to one of the miners I spoke to about a month ago. (Dec 81.) They are not selling as much ore as they hoped because the special foundries, mainly in the West Midlands, who are their principle customers, are either making people redundant or on short time, having been badly hit by the recession.

Also Florence shaft has filled up with water much faster than the miners had hoped, because of the wet weather, and so they are having to pump much sooner than expected. They are looking around for alternative markets for haematite with some success and hoping for an upturn soon in the foundry trade. Still they're still very much in business and pumping the shaft.

2. I had an evening's chat with Mr Isaac Walker, now retired but a former mines surveyor and manager of Haile Moor mine (near Beckermat). Amongst many amusing tales of his days at Bigrigg and Haile Moor, he mentioned the large amount of boreholes carried out to test for ore deposits. Some ore was found in the Holmrook area, south of Beckermat, but not enough to warrant mining. He also remembered a borehole near the coast in the Furness area had produced oil. This was put down in the early years of the century and the records have been destroyed, so he thought it would not be possible to confirm his memory or locate the exact position of the hole. Still very interesting with the current exploration proposals for oil in the Irish Sea.

3. Finally a note on treacle mining - a sticky subject, but one that the N.M.R.S. does not appear to have studied.

I can remember tales of fossilised sugar cane forests producing treacle impregnated peat from my youth. There were rumours of a mine at Cherry Hinton near Cambridge, but recently an old model railway magazine provided some substance to the treacle mining story. In a letter from Railway Modeller, April 1964 page 110, entitled "Treacle - The Last Word".

"There has been considerable correspondence in your journal regarding the origin of treacle mining, and some of the opinions expressed are not in accordance with the known geological facts.

Every schoolboy knows that coal is formed by the compression of primeval forests. An early stage in the formation of coal is, of course, peat. If the primeval forest was composed principally of sugar-cane, and the decomposition has not been long enough, a treacle-bearing peat will be formed. The principal deposits of this type of peat are found mainly in Ireland, but there are some deposits in the Pennines and on Exmoor.

The Sabden Treacle Mining Co.Ltd., replicas of whose wagon I have the honour to possess in every gauge and scale from 2 mm upwards, was formed to mine the extensive deposits of treacle-bearing peat in the village of Moreandmore on the Ulster and Eire border.

I trust that this will clarify the position between fact and fiction.

George R. Emlin.

Sutton. Lt.Col. late Slattery's Mounted

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Further facts about this intriguing subject have also been furnished by one of our members

"I heard that the Irish mines were worked during the '39 - 45 war, but were abandoned post-war when large supplies of cane sugar again became available. The mines were open-cast and used excavators and a narrow gauge railway system to the nearby works where mollasses was produced and shipped out in railway tank wagons marked "Guinness" to confuse any German agents".

Midlands Limestone workings etc

Those who are of the opinion that "if the world had piles - then Brum would be where they are situated" could be understandably excused for thinking that the Midlands were slowly disappearing down the orifice. Following on from previous news from this area, the following cuttings continue the saga:-

The first from the Sunday Times, 20th December, 1981.

"The recent discovery of a 170 year old bill for pumping water by steam engine in Walsall could lead to millions of pounds being spent on maintaining Britain's most troubled stretch of motorway - the M6.

The bill was found in a local archive by engineers investigating mining subsidence in the West Midlands. It revealed the existence of old limestone workings directly below the motorway, between junctions 9 & 10. This has surprised the engineers who built the motorway in the Sixties. They knew there were old coal and iron-stone workings from the dis-used Jonesbridge mine nearby, and these were made safe. However, deeper limestone workings - 600' down - were unknown. Their location has been discovered only because the Earl of Bradford, whose family granted extensive mineral rights in south Staffs during the last century, deposited his private records and accounts in the county archives in Stafford in 1972.

Among the yellowing documents dated 1814 and 1815 were two accounts totalling £1,978 15s 4d, written by a mining contractor called Henry Bowman. These were for raising water from "the deep level of workings" at Jonesbridge.

This large sum suggested considerable workings of limestone below the coal.

Mining subsidence has been a common occurrence in the Black Country for 100 years or more, ever since ironstone, coal and limestone were dug out during the industrial revolution.

The ground under an industrial estate at Wednesbury gave way and sank 3' in as many days. Walls, ceilings and floors in offices and factories cracked wide open; window and door frames buckled; and 6" gaps opened in the roads.

Council engineers were alarmed to find that the limestone workings responsible were 550' below the surface. Until then, it had been widely assumed that the collapse of workings at this depth was insignificant."

The second is from the Dudley Herald, November 6th 1981.

"Footpath disappears down 50' Hole.

A well-worn stretch of a Dudley footpath has been swallowed up in a limestone working collapse.

About 4,000 tons of earth fell into the limestone cavity. The gaping hole was 40' deep and 50' across and the edges crumbled for several hours after the first collapse.

In June the Government announced a £198,000 project to investigate Dudley's 200 years old abandoned limestone workings. Engineers will take 18 months to explore the caverns, pinpoint the dangers and make recommendations for safety work.

The workings, owned mostly by the Earl of Dudley, were abandoned in the 1920's."

Book Review No 2.

"Mining and Regional Developments" by D.Spooner, Oxford. Oxford University Press 1981. 60pp. Price £2.50.

This is a small book which looks at the problems of "mining geography", the development stages in mineral working and the implications which should be considered in regional planning terms.

According to the author the stages of development are the minerals dominant phase mining regions as depressed areas and finally the mining revival and the return of the resource frontier. As well as taking examples from abroad he describes in some detail the recent developments in Yorkshire (mainly coal), Cornwall (tin) and the British oil producing industry. There does not seem to be, however, any similar

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resurgence in the lead mining industry of the Pennines.

Although aimed mainly at Geography students this book provides some very useful background reading for anyone interested in present day developments in mining in Britain.

I.J.Brown.

The following books have been recommended to members by Pete Chailis, the Liverpool dwarf. (If review copies are sent - we'll do the rest - wink, wink!!)

1. 'Mines and Miners of South Lancashire 1870 - 1950' a collection primarily of old photo's, by D.Anderson & J.Lane. It may be obtained from the authors at:- Greenslates, Tanfield, Parbold. It has a cover price of £4.95 and looks well produced.
2. Also IMM have published their reprint of 'Fodinae Regales' by Sir J.Pettus, complete with slip case. It may be obtained from IMM, London at £15 inc P & P. It is, like their reprint of Hooson's Miners Dictionary, printed by Scolar Press and is limited to 600 copies.

AGM 1982.

I'm not sure if the good turnout for this years AGM was due to the sunny weather, or in the mistake that we were having a pie & pea do.

The following reports are reproduced, as being deemed to have useful information of a general interest.

Editor's Report

Three publications were issued last year, including the final part of Mr Foster-Smith's series. A small additional source of income was derived from the partial distribution of the Derbyshire Mineral Statistics.

As far as finance is concerned, I think the balance sheet (attached to this Newsletter) is self explanatory, there being a general increase in both income and expenditure. Income has however, been well in front of outgoings, thus enabling a reserve fund to be set up in a Building Society. Since it is the Society's Silver Jubilee shortly, it has been suggested that some form of memento volume be produced to mark the occasion - perhaps a book of historic mining photographs - and any extra money that can be earmarked for this will be useful. In addition, it has been loosely agreed to standardise the charge to the Society for publications, which means that if a volume happens to be particularly expensive by virtue of long illustrations etc., a standard £2.00 charge will apply per volume or £4.00 per member per year. We shall try and guarantee this arrangement for as long as possible.

There is still no shortage of monograph material promised or in hand; a 'bumper' Memoirs 1980-82 will be issued in May.

Finally, a special thank you to my better half for the concerted aftersales activities.

R.H.Bird. Editor.

Aftersales Report

Postage has recently been increased again which will begin to erode our profit margins.

We are now out of BML2, but anyone who still wants a copy please get in touch with Eric Gray-Thomas (Bookshop), Castle Ditch, Caernarvon, N.Wales; he should have quite a few left in his stock.

We are low on Derbyshire Mineral Statistics (only 4 left) and only a dozen or so BML5 (Teign Valley).

Orders for the forthcoming Mineral Statistics of Yorkshire total 112.

Hilary Bird.

Librarians Report

During 1981 the library has been re-catalogued and has received 46 additions. These have been listed separately and are available on request. The library has loaned 32 books during the year, all of which at this time are accounted for.

The majority of requests for loans were for NMRS publications, followed by PDMHS and other mining societies publications and various books. The library kitty contains £3.03, with 49 pence due.

So far in 1982 4 books have been loaned.

Richard Hewer.

Recorder's Report

1981 has been a very busy year for the Records. It has seen an influx of material on mines in the Lake District, Wales, Ireland and Swaledale, for which I would like to thank the donators. Also, I have been able to add a large amount of material on the Craven Dales. In order to clear the backlog, caused by this material, Mr Tyson has volunteered to assist with the tracing and preparation of plans.

There has been an increase in use of the Records, both by members and non-members, at least two of whom have applied for membership.

This influx of material will in due course require some expenditure on files and tracing film, especially as it shows every sign of continuing.

Mike Gill.

Treasurer's Report

As per attached balance sheet which is self explanatory.

Sue Houghton.

Secretary's Report

Nothing to report, apart from the fact that enquiries about the Society and membership applications continue to come in steadily.

John McNeil.

PRO

Nothing to report really.- you get my report 4 times a year in form of a Newsletter. Current Newsletter is in course of preparation.

Harry Houghton.

N.A.M.H.O. Report

The Association now has 23 members, representing the major mining historical societies in the country, with membership applications from two others.

Proposals before the Council have included such topics as Surveying standards and presentation, mineral and artifact collecting and removal from sites, and the compilation of an index to source material on mining history.

The 1981 Conference was jointly hosted by the Shropshire Caving & Mining Club and The Ironbridge Museum and proved to be a great success. 108 delegates took part in the proceedings which involved lectures on the Saturday & Sunday, and field meets on the Friday and Monday.

Bookings for the 1982 "Summer School", to be held at Whernside Manor, Dent (see elsewhere in the N/L for details) have been disappointingly low. The course is aimed at those with a basic knowledge of mining history and underground techniques, in an effort to introduce them to the more specialised skills required in interpreting and surveying sites (both surface and underground), use of archival material, preservation of buildings and artifacts etc.

The 1982 Field Meeting is to be hosted by the Cumbria Amenity Trust and held in the Lake District. The suggested date being August Bank Holiday, which may be revised - more later.

Mike Gill.

Arrangements for the 1983 NAMHO Conference (which we are hosting) are well in hand, but any further offers of assistance or ideas can still be considered

Recording of Coal Mining Sites.

Coal mining sites are a sadly neglected subject, as far as our members seem to be concerned anyway.

We have very little recorded evidence lodged in our records, and this would appear to be a national complaint. Are there any members doing research on this subject? I only know of a couple who are doing any serious work in this direction. It seems a pity that apathy should stifle interest in what, after all, has been, over the years, this country's main mining activity. There aren't many parts of the country that haven't at some time or other had coal pits of various sizes, even in what are now city centres. This is something that can be done in most cases without having to tramp over miles of moorland, and being on the doorstep, so to speak, can be fit in as a local historical activity.

Lost

Has anyone got the Receipt Book as used to record the 50p's collected from non-members on Meets? If embarrassment will be caused by having to admit to having same - it can be returned anonymously under plain wrapper to Mrs S.M.Houghton, 29 Parkside Rd, Meanwood, Leeds LS6 4LY.

Dolfrwynog Copper Mine

I suppose really this ought to go under the heading 'Lost & Wanted'.

"All afternoon was spent looking for a supposedly collapsed level of the Dolfrwynog Copper Mine, but we had great difficulty finding any traces at all. The local farmer said that he "Knew not", of any Dolfrwynog Copper Mine. We visited many farms in the area and they all said that the mine was at a particular location, where in fact there was nothing. My cousin finally came up with the answer to this mystery; this being the area which was suggested as the dumping ground for nuclear waste, they doubted our intentions. We even asked a Forestry Commission worker who was passing in a van and he said he didn't know of it. The odd thing was that there were traces of tramways disappearing into patches of dark forest, but there were no shafts or levels or remains to be seen.

Gareth Edwards."

Publications

The following publications are still available from Hilary Bird, 41 Windsor Walk, South Anston, Sheffield S31 7EL. Prices include p & p, please send cash with order.

British Mining No 13	The Mines of Grassington Moor & Wharfedale.	NMRS Records	£3.50.
British Mining No 14	The Manganese Mines of North Wales	C.G.Down	£3.50.
British Mining No 15	The Teign Valley Silver-Lead Mines	C.J.Schmitz	£3.50.
British Mining No 16	The Gallantry Bank Copper Mine	C.J.Carlton	£3.50.
British Mining No 17	The Cwmystwyth Mines	S.J.S.Hughes	£3.50.
British Mining No 18	The Non-Ferrous Mines of the South Wales Area.	J.R.Foster-Smith	£3.50.
Index & Bibliography of NMRS Publications 1960 - 1980		M.C.Gill	£0.50.
(this volume also includes a list of Libraries who are subscribers or members of the Society and as such possibly hold out-of-print copies of our publications).			
Mineral Statistics of Derbyshire			£2.50

You can also order a copy of the Mineral Statistics of Yorkshire which we understand will be published in April 1982.

I have been asked to point out that the worst defaulters in paying for invoiced Publications are certain of our own members. We have a hard core of persistent offenders and we can't afford to keep sending out reminders each month and having them ignored - If the cap fits please rectify this matter forthwith 'cos we have quite a bit of money tied up in these.

Want a bargain? I've just noticed in the latest edition of Caving Supplies catalogue that they are selling one of our out-of-print publications - British Mining No 10 "The Mines of Montgomeryshire & Radnorshire" by J.R.Foster-Smith for £2.00 plus 67p postage.

They also have a special offer on at presnet for Lamps. - Brand new Exide Battery and Oldham Caplamp for £36.45 plus £2.42 postage. (These were selling for £42.80).

Caving Supplies are at:- 19 London Road, Buxton, Derbyshire SK17 9PA.
Tel. (0298) 5040.

New Members Please Note

I would like to take this opportunity of apologising to any new members who have not received an acknowledgement from me since sending in their application form and subscription.

I can assure you that I am not usually this lax - but the period November to February is one of the busiest with members renewing and all the work that alone entails, plus finalising the accounts at the year end and last but not least typing this work of genius for our PRO.

If I can ever be of any assistance to you (or even existing members) please do not hesitate to contact me.

Sue Houghton.

REMEMBER when wanting a reply to any correspondence with any Society Officer -

NO S.A.E. - NO REPLY.(at least not until next N/L.)

All contributions for next Newsletter (May) to H.Houghton, 29 Parkside Rd, Meanwood, Leeds LS6 4LY. Tel (0532) 758505 by 1st May, 1982.at latest (sooner if possible).

Northern Mine Research Society
General Account

Statement of Income and Expenditure for period 1/1/1981 to 31/12/1981.

INCOME

Subscriptions 1981	£1244.25
Subscriptions 1982	1015.00
Publications	10.30
Donations	12.65
Sale of Badges	3.20
Deposit Account interest	36.27
Dinner	280.50
Pie & Pea Supper	37.75
NAMHO Insurance (Guests)	4.00
	<u>£2643.92</u>

EXPENDITURE

Audit Fee	£ 5.49
Hall Hire	17.50
Publications (BML6 & 17)	1100.00
Postage re Publications	119.75
Amount owing to Publications account from 1980	244.56
PRO Expenses	100.19
Secretary's Expenses	20.92
Treasurer's Expenses	20.94
Miscellaneous	8.25
Dinner	280.20
Talk-in	33.78
Subs to other Societies	38.75
Equipment	108.95
Stationery	141.68
Equipment Insurance	19.80
NAMHO Insurance	80.60
Bank Charges	10.31
	<u>£2351.67</u>

Excess of income over expenditure

292.25
£ 2643.92

CASH STATEMENT

	<u>Current a/c</u>	<u>Deposit a/c</u>	<u>Building Soc.</u>	<u>Total</u>
Opening Balance	£491.57	£411.42	£14.51	£917.50
movement	191.28-	483.53	-	292.25
Closing Balance	<u>300.29</u>	<u>894.95</u>	<u>14.51</u>	<u>£1209.75</u>
Cash in bank (per statement)	304.96			
+ cheques debited in error	5.50			
- cheques not presented	<u>10.17</u>			
	300.29			

I certify that this statement is a true and fair record of the affairs of the Society for 1981.

J.Pulford. 9/2/82.

Northern Mine Research Society
Publications Account

Statement of Income and Expenditure for period 1/1/1981 to 31/12/1981.

INCOME

(1) Aftersales receipts	£3690.88
(11) Sales to Society for BML6 & 17	1100.00
(111) Amount due from Society from 1980	<u>244.56</u>
	<u>£5035.44</u>

EXPENDITURE

(a) Editor's expenses from 1980	£ 13.50
(b) Printing	3196.92
(c) Postage and carriage	485.91
(d) Bank Charges	8.85
(e) Overpayments - refunds - to subscribers etc	117.14
(f) Stationery	97.30
(g) Reproduction fees (Beamish Open Air Museum)	5.00
(h) Draughting services	<u>24.94</u>
	<u>3949.56</u>
Excess of Income over expenditure	<u>1085.88</u>
	<u>5035.44</u>

CASH STATEMENT

	<u>Current a/c</u>	<u>Building Soc.</u>	<u>Total</u>
Opening balance	£451.37	-	£451.37
movement	<u>114.12-</u>	£1200.00	£1085.88
Closing Balance	<u>£337.35</u>	<u>£1200.00</u>	<u>£1537.25</u>
Cash in Bank (per statement)	£337.25		

Notes

Income

(1) total includes receipts from sale of Mineral Statistics Part I

Expenditure

(b) this figure includes payment for Mineral Statistics

Stock of Publications on 31./12/81 at cost	£499.07
Petty cash in hand (postal float)	8 83

I certify that this statement is a true and fair record of the Publications Account for 1981.

J.Pulford. 9/2/82.