



## M I N U T E S

of the Sixth meeting of the Praesidium of the International Society for Mine Surveying (ISM) at The Royal Institution of Chartered Surveyors (RICS), 12 Great George Street, Parliament Square, London, on 10th, 11th and 12th March, 1981.

The ISM Praesidium members had been invited to the 6th meeting by the President's letter of 30th December, 1980, the Agenda for the meeting being set out below :

1. Confirmation of the members present at the Praesidium and the countries they represent, and confirmation of the presence of a quorum at the Praesidium.
2. Approval of the Minutes of the 5th meeting of the Praesidium of ISM, which met from 26th to 30th May, 1980 in Leningrad.
3. Information concerning the preparations for the Fifth International Symposium for Mine Surveying, to be held in the PR Bulgarian from 19th to 26th September 1982.
4. Information on the work of the five ISM commissions covering different aspects of mine surveying; reports on plans for future work by these commissions.
5. Admittance of new members to the International Society for Mine Surveying.

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6. Nominations and acceptance of new members of the specialist commissions of ISM.
7. Information about national activities in mine surveying during the period 1981-83.
8. Information and addresses of Colleges, Universities, Research Organisations, Government Departments and Professional Societies. Any other Business with departments dealing with mine surveying, mineral production and geology.
9. Place and date of the next Sitting of the Praesidium.
10. Miscellanea.

The following members attended the Praesidium meeting:

K.Georgiev, President - Bulgaria  
H.Vosen, Vice-President - Federal Republic of Germany  
J.Weeks, Vice-President - Great Britain  
J.F.Aspeling - Republic of South Africa  
G.Beschasnyj - USSR  
Professor M.Dopita - Czechoslovakia  
Professor F.Hart - USA  
K.Kangas - Sweden  
I.Klemencsics - Hungary  
Professor Z.Kowalczyk - Poland  
O.Lindholm - Finland  
E.Ludvigsen - Norway  
A.Parwaresh - Iran  
Professor M.Pataric - Yugoslavia  
Professor H.Spickernagel - Austria

Guests : M. Bordonne - France

R. Todorovic - Yugoslavia

O. Gregory - Great Britain

The President of the RICS, Mr. J. N. C. James, welcomed the delegates to London. He gave a brief explanation of the work of chartered surveyors and said that the RICS could claim to be the leading profession of the land in the UK.

He said that the Minerals Surveying Division of the RICS was small in number but of great importance, and was an integral part of the profession and of the RICS.

He explained that the RICS belongs to many international organisations including FIG. He was very pleased that the Sixth International Symposium of ISM would be held in the UK in 1985, and he was very interested in the plans for the Fifth International Symposium, to be held in Bulgaria in 1982.

He said that the UK Government was now easing restraints on investment in the mining industry, and therefore the outlook for the industry and for mining surveyors seemed bright.

He regretted that he could not remain with the Praesidium as he had engagements outside London, and he expressed his good wishes for an interesting meeting.

Mr. Vosen, Vice-President of ISM, gave apologies for President Georgiev who had been unavoidably detained, but who should arrive in London today. Mr. Vosen said he had been asked to represent the President until he arrived.

He thanked the RICS President for his warm greeting and informed the Praesidium that the RICS was now more than 100 years old, and that its members covered a wide range of specialisations.

The Minerals Division of the RICS was the section most closely related to the activities of ISM and it was that Division which represented the UK in ISM.

He reminded the delegates that the profession of mine surveying would not exist without a mining industry.

On behalf of President Georgiev, he expressed special thanks to the RICS for arranging this meeting of the Praesidium in its fine Headquarters building, and he wished the RICS and all its members all success in the future.

The RICS President then left the meeting.

Vice-President Weeks took the Chair, and proposed that Vice-President Vosen should take the Chair until President Georgiev arrived. The proposal was accepted.

Vice-President Vosen took the Chair and proposed that the Praesidium should give preliminary consideration to the first two items on the Agenda, any final decisions to be taken when President Georgiev was in the Chair.

#### Item 1

He reported that delegates from Czechoslovakia, Poland, Iran and Bulgaria had not yet arrived, but were expected to arrive in London that afternoon.

He welcomed Professor F. Hart, who was the new representative from the USA, and also Dr Beschasnyj, the new representative from the USSR. He also welcomed Mr. G.Bordonne, a guest from France, and he hoped that France would be admitted to membership during this Praesidium meeting.

Item 2

Vice-President Vosen asked if delegates had any queries or comments on the minutes of the 5th Praesidium meeting in Leningrad, copies of which had been circulated. None of the delegates wished to query the minutes and so Vice-President Vosen said he would therefore arrange for President Georgiev to approve the minutes. President Georgiev then arrived and took the Chair; and the delegates from Czechoslovakia, Poland and Iran.

President Georgiev apologised for his late arrival, which was due to circumstances beyond his control. He gave a warm greeting to all those present and particularly to new delegates from the USSR Dr. Beschasnyj, to Professor Hart from the USA. He also warmly mentioned M.G.Bordonne, a guest from France and R.Todorovic from Yugoslavia.

On behalf of ISM, he thanked his UK colleagues for the excellent organisation for the 6th Praesidium meeting. He felt that ISM had made great progress in the short time since it was established, and he believed that the organisation and work of the five commissions was the most important part of ISM's work at the present time.

Another important aim for ISM was to increase its membership and thus widen its horizons. He said that the following countries were interested in the activity and in joining ISM - Bolivia, East Germany, Turkey, Italy, Spain, China, Mexico, Peru and others. He had received many letters from educational and research institutes and from Government Departments, and he hoped that such bodies could become involved with the work of ISM. He also hoped that ISM would strengthen its links with other international organisations and particularly with the International Federation of Surveyors and the World Mining Congress.

Mr Gregory, President of the Mineral Division of the RICS, then made a short speech, in which he joined with the President of the RICS in welcoming delegates to the RICS Headquarters.

On behalf of the mining surveyors in the UK and the Minerals Division of the RICS, it gives the RICS pleasure that ISM had chosen to come to London for the 6th Praesidium meeting.

In addition to the important working sessions delegates were visiting the Royal School of Mines and the Headquarters of the National Coal Board, a ballet, etc. Mr Gregory hoped that all would enjoy these events and he wished the meeting every success.

President Georgiev thanked Mr Gregory for his kind words.

Item 1

It was formally confirmed that a Praesidium quorum was present.

Item 2

The minutes of the 5th Praesidium meeting in Leningrad were formally approved.

Item 2

President Georgiev presented a written report in three languages on the preparations now being made for the Fifth International Symposium of Mining Surveying, to be held in Varna from 19th to 26th September, 1982. The provisional programme is set out in Annex 1 to this Report. The written report gave details of the organising committees that had been set up; these included a central organising committee with eight specialist working groups. There would be a Comité D'Honneur, which would include representatives of state and public organisations. Plans were well advanced with the organisation of an exhibition of mining surveying and geodetic instruments and services.

There would be six working languages - Russian, German, English, French, Spanish and Bulgarian. Simultaneous translation would be provided and papers would be available in all languages, to all participants.

The title of the congress will be "Mining Surveying and Progress in the Mineral Industry", and there will be five main technical sub themes, which will follow the titles of the five special commissions of ISM.

1. History and development, training and organisation of mine surveying and legal regulations.
2. Geometry of mineral resources; descriptions, mapping, calculations and recording of reserves.
3. Mine surveying instruments, surveying and evaluation methods, mining and cartography.

4. Rock strata and surface movements and subsidence damage.
5. Relationship between mining and regional planning.

President Georgiev said that he hoped to send out by the end of March 1981 an invitation in the six working languages, giving preliminary information on the proposed programme and plans for the Varna Symposium.

President Georgiev said that the registration charge had not yet been settled, but there would be a lower charge for students.

He asked all delegates to state the number of copies of the preliminary invitation they wished to receive, and in which language, and this information was recorded in writing by the delegates.

He also asked all delegates to give the Varna Symposium wide publicity in their own countries, and to send him names and addresses in their countries of educational, research, government and professional organisations, to whom President Georgiev would send information about the Varna Symposium.

The following timetable was agreed:

Speakers - to confirm that they will attend the Symposium  
and present their papers by 15th September, 1981  
and to submit the text of their papers by  
31st March, 1982.

Delegates - to return their registration forms by  
15th February, 1982.

Professor Spickernagel expressed his sincere thanks to President Georgiev and his Bulgarian colleagues for the excellent preparatory work they have done; and this was warmly supported by all the delegates.



Item 4

President Georgiev circulated the following papers, to assist the debate on the work of the ISM commissions :

(a) A paper describing the work of these five special commissions to date, and setting out five recommendations to improve the work of these commissions in the future (this paper is in Russian, German and English);

(b) A table setting out the Chairmen and members of these five commissions;

(c) A list of the FIG commissions and their officers (two alterations were made to this list - Commission 3 Vice-Chairman S. Andersson (Sweden); Commission 5 Vice-Chairman R.O.Coker (Nigeria)).

The praesidium noted that the five commissions are now entitled :

Commission 1 - Chairman : Mr. Schaft BRD;

Commission 2 - Chairman : Prof. Iv.Christov, Bulgaria;

Commission 3 - Chairman : Dr.E.Czubik, Austria;

Commission 4 - Chairman : Prof. H.Spickernagel, Austria;

Commission 5 - Chairman : Dr. Y.Luxa, CSSR.

President Georgiev said that he believed the studies of these five ISM commissions was perhaps the most important part of the whole work of ISM. It was essential that each commission should undertake an active work programme which would lead to an interesting exchange of knowledge and ideas. He had asked the commission Chairmen to work closely with the national society of their country, to invite surveyors from their country to the meetings of ISM commissions in that country.

President Georgiev reminded the Praesidium that the commissions had only been set up at the 4th ISM Symposium at Aachen when they were each given a very extensive title.

The only commission Chairman present at the Praesidium was Professor Spickernagel (Commission 4) who then presented the following report on the work of the commission up to 1982.

Only Commissions 2, 3 and 4 have already held meetings :

Commission 2 - October, 1980 in Eologne, BRD

Commission 3 - October, 1980 in Leoben, Austria

Commission 4 - February, 1981 in Salzburg, Austria

The next meeting of Commission 4 will be in October 1981 in Poland.

The Chairmen of these three commissions sent out convening letters well before the date proposed for the commission meeting. Professor Spickernagel also circulated a questionnaire but he was disappointed that he only received a very few replies. The Chairman of Commission 3 had provided interpreters for the Commission 3 meeting in Leoben and he himself had paid those interpreters.

Professor Spickernagel said that each Chairman realised that delegates could not travel great distances to attend commission meetings, but he had been able to keep in touch by post with most of the delegates from distant countries.

Professor Spickernagel said that he had discussed the work of the ISM commissions with Mr Czubik, and he wished to put forward the following proposals :

- (a) Each national delegate at the present Praesidium meeting should check whether the delegate from his country really wished to continue to work as a commission member;
- (b) Each commission should meet at least once a year;
- (c) Each commission Chairman should use headed ISM note-paper, since this would greatly assist delegates in obtaining visas and permission to travel;
- (d) Each commission Chairman should circulate information sheets within the membership of his commission;
- (e) Consideration be given to a proposal that the commissions might hold meetings on only one subject from their title; or alternatively each member of each commission should accept a special responsibility for a part of his commission's overall work.

There was then an extensive discussion on the work of the ISM commissions; at the end of this discussion the following suggestions were made :

- (a) Each ISM member country should appoint at least one representative to each commission;
- (b) Each ISM member country should endeavour to establish five national committees covering the five areas of technical studies of the ISM special commissions;
- (c) Information about commission meetings should be circulated to members of that Commission as far in advance as possible (1-2 years);
- (d) Each commission should endeavour to meet at least once each year in the years between each Symposium; and if possible each commission should hold a meeting just before each Symposium - therefore each commission should try to meet in Varna in September 1982;
- (e) Reports should be prepared of each commission meeting and these reports should be widely circulated among ISM Praesidium members, and each Chairman should present a personal report to the ISM President;
- (f) Each commission should endeavour to develop good and continuing contacts with international surveying organisations, and particularly FIG and the World Mining Congress;
- (g) ISM should produce a special ISM notepaper for the use of each commission Chairman, which these Chairmen should reproduce as writing paper;
- (h) No decision should be taken at present about the scope of studies of each commission since the commissions had only been set up in 1980;
- (i) Arrangements should be made for improving communications between the commissions, the Praesidium and the national societies.

At the conclusion of this debate, the Praesidium recorded a very warm vote of thanks to the five commission Chairmen, and especially to the Chairmen of those commissions that had already held meetings - Mr Nehring (Commission 2), Mr Czubik (Commission 3) and Professor Spickernagel (Commission 4).

Item 5

The Praesidium has received an application by the Board of coal mines in France, Paris for membership of ISM with a representative in the Praesidium Mr. Gilbert Bordonne. The Praesidium accepted with consent the Board of coal mines in France as ISM member and welcomed Mr. G. Bordonne as its representative.

Another application for membership in ISM has been received by Mr. Francis B. Allieu from Mine Surveyor Planning Institute LAMCO-Yekepa, Monrovia/Liberia. The Praesidium accepted unanimously Mr. F. Allieu, Liberia as individual member of ISM with wishes for fruitful activity and to assist for the acceptance in ISM of the Liberian organization of mine surveyors.

The President Georgiev said that he had established contacts with representatives from several countries and that he had sent them Information about the ISM, the Status of the organization at corresponding language and the Minutes of the 5th meeting of the Praesidium.

There was not any reply or application for membership received until now except the abovementioned which impose to be established contacts again with representatives of the countries shown an interest in the ISM.

A suggestion was received by the Norwegian Institute of Technology, Trondheim that official representative to the Praesidium of the ISM to be Dr. eng. Erik Ludvigsen instead of Mr. Hetland. The Praesidium welcomed the participation of Dr. eng. Ludvigsen to the ISM and wished him successful work further.

Many colleagues work in the Praesidium whose national organizations are not members of the ISM. Therefore it should be made the necessary steps for arranging their official membership in our organization until the next meeting of the Praesidium.

Item 6

The Praesidium received a suggestion by the Finnish organization for mining and metallurgy to be accepted as a member of Commission 2, Dr. Eero Rauhamäki. He works in Outokumpu Oy as a Chief consulting mine geologist and he is an expert in geology and economy. The Praesidium accepted with consent Dr. E. Rauhamäki for a member of Commission 2.

Item 7

The Praesidium members talked over the carrying out of planned national events on mine surveying subject for the period 1981-1983 :

Mr. H. Vosen, BRD : National conference in West Berlin, 30.9 - 4.10.1981; Symposium on rock mechanics in Aachen, 26-28.5.1982.

Mr. J. Klemenčič, Hungary : They organise a national conference on mine surveying every year. Later in September 1981 in the town of Dorog on occasion of 200 Anniversary of the Coal Complex will be held the 20th Conference on subject "Surveying in the new and reconstructed shafts".

Mr. J. Weeks, UK : Conference on subject "Computers and minerals mine surveying" in London on 6th May, 1981.

Mr. O. Lindholm, Finland : They carry out a national mining conference every year organised by The Mining and Metallurgical Society of Finland.

Mr. J. Aspeling, South Africa : In 1981 a conference will be held organised by the Institute of Mine Surveying.

Mr. M. Dopita, CSSR : Scientific, technical and research conference of mine surveying and geophysics in Ostrava in September, 1981; Symposium on mine surveying in Kosice in September, 1982.

Item 8

The President said that he had received the addresses of Higher Institutes, Research institutions, Ministries, Geological and mining organizations with mine surveying divisions. Such information is received from Bulgaria, Norway, Poland, the USSR, Hungary, Finland and FRG. The Praesidium has at disposal the addresses of its members, of the Chairmen and the members of the 5th commissions for special mine surveying problems and of representatives from countries expressing an interest to our organization.

With regards of better publicity and organisation of the 5th International Symposium for Mine Surveying in Varna, Bulgaria, the President asked the members of the Praesidium to send him the addresses of mine surveying organizations or departments as soon as possible.

Item 9

After discussions it is decided the 7th meeting of the Praesidium of the ISM to be held in Sofia, Bulgaria on 26th, 27th and 28th October, 1981. The Praesidium expressed thanks to the representative of Bulgaria for the invitation the meeting to be carried out in his country.

The President Georgiev asked the members of the Praesidium to study the possibility for organizing the 9th meeting in 1983 in their countries as the 8th meeting of the Praesidium will be held in Varna, Bulgaria in 1982 during the 5th International Symposium for Mine Surveying.

Item 10

Mr. H. Vosen, Vice-President of the ISM said that the General Director of UNESCO had expressed thanks for the sent 5 volumes describing the work of the 4th International Symposium for Mine Surveying and that the same are given for use to the library of the Organization.

Mr. Weeks suggested on the next meeting to be discussed the possibility of passing from five languages as it is stated in the Status of the ISM to only three official languages.

Mr. Georgiev suggested to the papers of topic 3 to be included those concerning the application of computer technics in the mine surveying.

Mr. H. Vosen informed the Praesidium members that in Montreux, Switzerland from 9th to 18th August, 1981 will be held the 16th Congress of the International Federation of Surveyors.

The Praesidium expressed thanks to The Royal Institution of Chartered Surveyors, The National Coal Board and The Royal School of Mines for the possibilities given to the members of the ISM :

- to be acquainted with the structure and the tasks of the Royal Institutions of Chartered Surveyors;
- to be familiar with the UK coal industry and the organisation of mine surveying services and their tasks at mining and open-cast operations;
- to be acquainted with the training of the Mine Surveyors and the research activity of the Royal School of Mines;
- for organising cultural entertainments.

The Praesidium expressed most cordially its gratitude to Mr. J. James, President of the RICS, to Mr. O. Gregory, President of The Minerals Division of the RICS and to Mr. J. Weeks, Vice-President of the ISM for the excellent organisation of the 6th Praesidium meeting.

Note : The Minutes will be translated in Russian and German and will be sent to the Praesidium members.