

## M I N U T E S

## XVith Meeting

Presidium of the International Society for Mine Surveying (ISM)  
held at the House of the Scientific Workers  
of the Slovak Academy of Sciences  
Smolenice, Czechoslovakia

October 13, 1989

The agenda of the Presidium Meeting was prepared by the ISM President and distributed to honorary members, members of the Presidium, and Commission chairmen, in September, 1989.

A G E N D A

1. Record of attendance, establishment of quorum and welcome to new members and observers
2. Apologies for absences
3. Personal notes
4. Approval of minutes of the 15th Session of the Presidium
5. Discussion of the Agenda for the 16th Session of the Presidium
6. Acceptance of new members
7. Information regarding commissions
8. Report on activities with UNESCO
9. Place and date for the IXth Congress
10. Place and dates for the 17th and 18th Sessions of the Presidium
11. Report of the VIIth Congress
12. Report of the VIIIth Congress
13. Reports from individual countries, calendar of meetings
14. Discussion on archives
15. Future direction of ISM by Professor Neset
16. IUSM
17. Other business

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At the Presidium Meeting, the colleagues listed below were present.

#### Honorary Members of ISM

K. Neset  
V. Svagr

#### Members of the Presidium

J. Campbell	Australia	
E. Czubik	Austria	
K. Georgiev	Bulgaria	Vice President
K. Pikli	Hungary	
H. Meixner	GDR	
J. Chwastek	Poland	
A. Navitniy	USSR	Vice President
F. Hart	USA	President
C. Vender	USA	Congress Director
H. Zimmermann	FRG	
G. Bordonne	France	
J. Ondruš	CSSR	
A. Mučka	CSSR	
L. Kovanič	CSSR	
O. Karlsson	Sweden	
M. Pataric	Yugoslavia	
G. Talamba	Romania	

#### Commission Chairmen

H. Meixner	GDR
E. Czubik	Austria
J. Pielok	Poland

#### Observers and Guests

A. Sturgess	United Kingdom
M. Dopita	CSSR
L. Hřebenár	CSSR
I. Cerný	CSSR
F. Parragh	Hungary
K. Wisnowsky	Hungary
R. Todorovic	Yugoslavia
H. Filatov	USSR
H. Wordelmann	GDR
K. Proskuriakov	USSR
D. Ruscev	Bulgaria
E. Hannig	Romania
A. Dzierzega	Poland
M. Milenowski	Poland

Item 1. Record of attendance, establishment of a quorum and welcome to new members and observers

The President of ISM welcomed the honorary members, the members of the presidium, the chairmen of the commissions, and observers and guests. He gave the best regards from his colleagues in the USA and from the President of the American Congress on Surveying and Mapping, Mr. Jim Weidener.

Pikli, Hungary; Gregory, United Kingdom; Talamba, Romania and Chwastek, Poland were welcomed as new members of the Presidium.

A quorum was declared.

Kovanič opened the meeting and welcomed all to the XVith Meeting of the Presidium. He extended the best from his colleagues in Czechoslovakia, and he wished the meeting would produce good results. He commended Mučka and Ondruš for assisting.

The president Hart thanked Kovanič for the hospitality extended and for his welcome to the House of Scientific Workers of the Slovak Academy of Sciences. He mentioned that the Presidium was happy to return to Czechoslovakia for its deliberations.

Item 2. Apologies for absences

Greetings were received from the following members who were not able to be present.

- |              |  |
|--------------|--|
| Spickernagel | Austria  |
| Ludvigsen    | Norway   |
| Vosen        | FRG  |
| Kangas       | Finland  |
| Aspeling     | South Africa   |
| Lindholm     | Finland  |
| Klemencsics  | Hungary  |
| Weeks        | United Kingdom; He mentioned that Gregory would replace him on the presidium and that Sturgess would be an observer. Gregory will make some comments on the VIth Congress proceedings. |
| Chrzanowski  | Canada; He mentioned that he supported the proposal for Poland to host the IXth Congress.  |

Item 3. Personal notes

Appreciation was extended to the translators and interpreters for this meeting

- A. Farlík
- Z. Vařechová
- P. Wagner

These persons contribute to the efficiency of this meeting and to making communications effective for all participants.

Hart extended the appreciation of the Presidium to Weeks, Wisznowsky and Dopita for their valuable service to ISM. They have been active members.

Hart expressed his appreciation to Navitniy for a professional job of exchanging the papers and responsibilities of ISM from the USSR to the USA. All of the papers were in good order, and his contributions to mine surveyors worldwide were evident. In his visit to the USA, he became a highlight of the meeting of the American Congress on Surveying and Mapping. He was the person at this meeting who was in demand. He represented ISM well.

Item 4. Approval of the minutes of the XVth session of the Presidium

The minutes of the XVth Presidium Meeting of ISM were approved without amendment.

Item 5. Discussion of the agenda for the XVith session of the Presidium.

The agenda was accepted.

Item 6. Acceptance of New members

The Presidium accepted a proposal from Romania to become a member. They welcomed G. Talamba as a new member of the Presidium.

Campbell has spoken with mine surveyors in New Zealand, but he has not received an application. Mr. Navitniy had important contacts with China, North Korea, Vietnam and Mongolia. He is corresponding with them. They desire to cooperate, but no applications have been received.

Item 7. Information regarding commissions

Commission I - Meixner reported that Commission I met in October in Siofok, Hungary. The Minutes will be mailed at the end of October. Major problems have been decided for solution during the next three years. Scharf handed all past papers to Meixner. The next meeting of Commission I is scheduled for August 27-30, in Freiberg, GDR. Commission I recommended to the Presidium that Minutes of the other commissions should be mailed to other commission chairmen.

Commission II - Zimmermann reported a successful meeting in Finland. A written report will be mailed.

Commission III - Czubik reported that the Commission III met with the Presidium in Smolenice, Czechoslovakia. The Minutes will be mailed during October. Fifteen papers were presented during the session. Over 50 persons participated. The next meeting of Commission III is scheduled for September 1990 in Bochum, FRG.

Commission IV - Pielok reported that Commission IV met in Leoben, Austria, in April, 1989. A written report was distributed to the Presidium. Fifteen persons participated. The next meeting will be held in last week of April, 1990 in Oroszlany or Siofok, Hungary.

Commission V - Mučka, on behalf of Luxa, reported that Commission V discussed proposals from Hart on their activities and the next Congress. They met September 21, 1989 in Saarbrücken, FRG. The next meeting of Commission will be in September, 1990 at place not yet determined. Written Minutes were distributed.

Hart commended the commissions for their work and stressed the importance of their activities to ISM. He asked them to make contributions to the next Congress by presenting papers and by having open discussion. He recommended that Minutes of Commissions be mailed to all chairmen. Zimmermann proposed that new Commission lists be published. These lists will be mailed to the Presidium.

Item 8. Report on the activities of UNESCO

Bordonne visited UNESCO headquarters in September and asked to discuss a letter to them from Navitniy. He asked what could be done to move ISM to category "B". The letter was found in a wrong section of UNESCO. They did not understand the letter. A new letter should be sent in the English version. The letter should be sent to the technical department. He handed the historical background and statutes of ISM to UNESCO.

The letter should mention the meeting with Bordonne stating that UNESCO and ISM have much in common and should specify activities of ISM.

Georgiev gave a history of ISM contacts with UNESCO. UNESCO has been reorganized. He proposed that Hart work with Navitniy in asking for change from category "C" to "B". Georgiev gave Navitniy a draft letter to review. He proposed asking the general director that at the session of UNESCO, ISM be allowed to present its proposal to them.

Navitniy suggested that all materials be forwarded to Georgiev to continue this effort. Hart and Navitniy will assist. Navitniy reported that papers from the VIIth congress had been sent to the General Secretary of UNESCO.

Czubik suggested that this letter be signed by president and two vicepresidents with a copy to Bordonne that will be carried to Dudich.

The Presidium agreed.

Item 9. Place and date for the IXth Congress

The decision on the location and time for the next Congress was given to the Presidium.

Pielok presented a proposal from Poland to hold the IXth Congress in Krakow, first half of September, 1994.

Ondruš presented a proposal from Czechoslovakia to hold the IXth Congress in Prague, April 18 - 22, 1994.

The Presidium decided that Czechoslovakia would host the IXth Congress.

The new Vice-president is Prof. Eng. A. Mučka, DrSc. The Chairman of the organizing Committee is Prof. Eng. A. Krumnikl, DrSc, Minister of Fuel and Energy, and the Secretary is Dipl. Eng. J. Ondruš, CSc.

A letter carried by Campbell asked for official confirmation that the Xth Congress would be held in Australia.

Czubik asked to correct the German and Russian versions of the 15th Presidium Minutes to agree with the English version, concerning the Xth congress being held in Australia.

Campbell accepted the use of the word "Acceptance" in his own way and he concluded that the Xth Congress would be held in Australia. The Presidium agreed.

Wisnowsky stated that he agreed with the intent of the English version and that the Xth Congress should be held in Australia.

Hart will write an official letter to the Institution of Engineering and Mining Surveyors of Australia to approve its offer to conduct the Xth Congress.

Item 10. Places and dates for the XVIIth and XVIIIth sessions of the Presidium

Gregory, on behalf of the Royal Institution of Chartered Surveyors invited ISM to hold the XVIIth session of the Presidium in Great Britain. The first preference of the Presidium was for Central England in the last week of September 1990. If it was not possible, the second preference was for London in October, 1990. Gregory will arrange the program and notify the Presidium. It was agreed to accept this invitation and Hart expressed his appreciations to Gregory for arranging the invitation.

Gregory extended an invitation for Commission V to meet in Britain with the Presidium.

The XVIIIth session of the Presidium will take place in the USA at VIIIth Congress in Lexington, Kentucky.

Item 11. Report of the VIIth Congress

Navitniy said that 1346 persons from 29 countries participated. He presented the final papers from the VIIth Congress held in Leningrad. He reported that he had exchanged the necessary papers with Hart in the USA and that his responsibilities as President were finished. The presidium expressed their appreciation to Navitniy and his colleagues from the USSR for the outstanding congress they held. His report was accepted by the Presidium.

Item 12. Place and date for the VIIIth Congress

Vender reported that the VIIIth Congress of ISM will be

held in Lexington, Kentucky, USA, from September 22 to September 27, 1991. He extended an invitation to mine surveyors from their respective countries to participate.

He discussed the arrangements that are being made by Dr. Edwards and Ms. Haden of the University of Kentucky. He detailed the cost of participation and asked for comments.

It was decided that a meeting of the Member's Assembly will take place at this Congress.

Item 13. Reports from individual countries,  
calendar of meetings

See calendar at the end of these Minutes.

Item 14. Discussion on Archives

Hart reported that he will visit the Archives in Ostrava next week. He is interested in learning more about the history of ISM. He will report at the next Presidium meeting. He expressed his appreciation to the Czechoslovakian colleagues for their upkeep of the Archives.

All the correspondence (including eventual photo materials) of the Presidium members and also the Chairmen of individual Commissions should be mailed in copies to the Central ISM Archives.

The Archives address:

Prof. Eng. Dr. Ivo Černý  
Báňská měřická základna VŠB  
Třída Vítězného února  
708 33 Ostrava-Poruba  
Czechoslovakia

Item 15. Future direction of ISM by Prof. Neset

Neset prepared a paper on his thoughts on the future direction of ISM. This paper made a part of these Minutes. Comments should be made to Professor Neset by May, 1990. He agreed to report back to the Presidium.

#### Future Direction of ISM

Tasks proposed to be accomplished by Professor Neset:

1. To create conditions for exchange of young mine surveyors between the member countries for two or three



months with the cost being covered by the organization at the practice place. The organization matters concerning the exchange should be concentrated at the office of the Secretariat of the ISM Presidium.

2. To explore possibilities of issuing an international periodical for mine surveying and mining geology with the following conditions:
  - a) Articles should be written in one of the official ISM languages.
  - b) Issuing of periodical would depend on the ISM integration into category "B" of UNESCO provided there is a contribution to cover financial costs.
  - c) The periodical would be issued four times, twice or once per year in the country which would offer editing and administrative work, best within local ISM organization or within the technical university in Ostrava or eventually in cooperation with a research institute of the mine surveying field.

Another alternative would be issuing of periodical every two years just as it is in case of mine surveying proceedings in socialist countries. (Up to now eleven volumes have been issued, each with 300 pages).

3. To consider possibility of setting up and issuing the standards of terms in mine surveying and mining geology in several language versions (Russian, English, German, French, Spanish) which would specify definitions, mathematical formulas, and uniform standards of mine map symbols. The first stage, the standards will be compulsory, which would gradually be taken over by the ISO system.
4. To elaborate a proposal for a uniform educational and training system for mine surveyors and mining geologists on the secondary level and at universities with regard to the activity in mining operations and to duties to ensure the efficiency in deposit utilization and mining safety. The proposal should attempt to determine the area, extent, and specialization of the knowledge acquired in secondary schools and in universities in view of their practice.
5. To consider possibility of determining such parameters for design of mine surveying instruments which would fully comply with the requirements of surveying in individual mine plans, would be simple, cheap and light. These requirements would be the basis for manufacturers of mine surveying instruments and would provide the

guidelines for an optimum precision of values measured. The requirements of appropriate parameters should also refer to terminology, should be focused on special calculations in mine surveying, and its capital costs should enable its wide application in every mine surveying work place. The technology would substantially reduce the time of calculations and amortization.

#### Closing comments

Prof. Neset stated that these proposals could expand ISM activity in the future. He concluded that this could not be done in a short period of time.

These proposals have been discussed by the members of a subcommittee for mine surveying in Czechoslovakia.

#### Item 16. IUSM

Hart, on behalf of Chrzanowski, discussed the last meeting of IUSM, the International Union on Surveying and Mapping. Mučka agreed to review the proposed statutes and make a report to the Presidium at its next meeting.

#### Item 17. Other business

The Presidium thanked Professor Kovanič and his colleagues from Czechoslovakia for all of the arrangements and hospitality.

Meeting was adjourned.

E. Fuchs

K. W. Müller

J. A. Campbell

P. Kelly

Dr. King

G. L. ...

Albert S. Burgess

Owen Gregory

Carl Vender

S. Hahn

H. W. ...

O. ...

G. ...

J. ...

V. ...

R. ...

H. ...

N. ...

...

P. ...

