

# **INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS**

**Nov  
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## **NEWS LETTER**

## **ASSOCIATION NEWS**

### SEDIM-NICE 75

The 2nd circular will be despatched on November 15th to all those who completed the 1st circular. A list of themes will be found in the accompanying number of Sedimentology (20/4). Those who wish to talk should submit a title and 2 sentence explanation by 15th March 1974.

### MEMBERSHIP

About 650 members have so far paid their subscription for 1973 compared to just over 400 subscribing members for 1972. This number includes about 200 entirely new members. A new membership list will shortly be compiled and will be despatched with the next Newsletter.

### INTERNATIONAL UNION OF GEOLOGICAL SCIENCES

The IUGS Newsletter is available to all members of the Association from January 1974 at the reduced price of Dfl.14.00 (normal price Dfl.20.00). See under Books and Journals.

# WORLD NEWS

## CZECHOSLOVAKIA (from M. Mišík)

The X<sup>th</sup> Congress of the Carpatho-Balkanian Geological Association was held in Bratislava from September 3-7th 1973. More than 500 participants from the 5 member countries and other countries took part. The programme of a special Sedimentological section was as follows: Chairman - L.G. Tkačuk (USSR), Convenor - M. Eliáš (Czechoslovakia), Contributors - I. Bérczi and I. Viczián (Hungary): "Clay minerals of the Neogene sedimentary sequences in Southern Hungary". S. Jaskó (Hungary): "Die Gesetzmässigkeiten der Sedimentbildung in der Pliozänen Becken in der Karpaten, Dinariden und Balkangebirge". M. Marková (Czechoslovakia): "A contribution to the problems of the argillitization of pyroclastic rocks". M. Mišík (Czechoslovakia): "Structures of the chert concretions from the limestones of Tithonian and Neocomian, West Carpathian Mts.". L.G. Tkačuk, I.M. Afanasieva and I.P. Lugova (USSR): "Carbonaceous rocks, their genesis and role in sedimentary and volcanic-sedimentary formations of Eastern Ukrainian Carpathians". D.V. Guržij and M.B. Ripun: "Volcanic phenomena and lithogenesis of sedimentary rocks concerning Flysch and Molasse formations in Soviet Carpathians". T. Ůrkovič and T. Koráb (Czechoslovakia): "Relationship between Magura and Dukla units from sedimentological aspects (Flysch of Eastern Slovakia)". J. Obradović (Yugoslavia): "Sliding in some Flysch series of Serbia". Z. Magdalevič (Yugoslavia): "Proximal and distal turbidites in the Flysch of Northwestern part of Outer Dinarides". R. Unrug (Poland): "Sorting processes during the transport of clastic material and their relations to the composition of Flysch sandstones". I. Načev (Bulgaria): "Jurassic Pre-Flysch in Bulgaria". O.S. Vjaľov (USSR): "Main types of bioglyphs of the Carpathian Flysch". J. Janaček (Czechoslovakia): "Chemische Sedimente der tschechoslovakischen Teiles der Westkarpaten".

Proceedings of this KBGA Congress will be printed in 1974.

## FRANCE (from B. Beaudoin)

Le colloque sur la sédimentation et la diagénèse des carbonates actuels s'est tenu à Paris les 29 et 30 mars (Institut Océanographique).

Organisé par B. Purser, B. Beaudoin et J.P. Loreau, il a consisté en exposés suivis de discussion nourries et projection de films ("La grande Barrière d'Australie" (MONTY) "Sables oolithiques aux Bahamas" (Cie Shell) "Tidal-Flats aux Bahamas" (Cie Shell).

Les exposés donneront vraisemblablement lieu à une publication vers la fin de l'année: C. MONTY: "Milieux et faciès stromatolitiques". J.P. LOREAU: "Genèse et signification des oolithes marines". E.G. PURDY: "Reef configurations: cause and effect". G. LUCAS: "Rôle des organismes dans la construction récifale". D. BERNOULLI: "Sédimentation pélagique dans l'Ouest de l'Atlantique central: modèle actualiste de la Téthys". F. BOURROUILH: "Dolomitisation actuelle - mise au point". B.H. PURSER: "Lithification et dissolution en milieu marin".

## ZÜRICH SYMPOSIUM ON PELAGIC SEDIMENTS

K.J. Hsü

It was felt during the last few years that our Association had been too inactive between its quadrennial meetings and a proposal was made to explore the possibility of establishing an European Section of the Society to promote annual sectional activities. The Bureau considered the proposal during its Montreal Meeting in 1972, but tabled the motion. However, the Bureau welcomed initiatives from individuals, or from national societies, in Europe to organize special symposia or field conferences. The Zürich Symposium on Pelagic Sediments, September 25 - 26, 1973, was the first attempt by the Association to sponsor such an extra-curricular activity. The Symposium was convened by Hugh Jenkyns of the Cambridge University and myself. It was organized under the co-sponsorship of the Association and the European Geophysical Society and took place during the first Annual Meeting of the Society. A first circular was sent to all members of the Association, - furthermore, the Symposium was advertised in the Association Newsletter and mentioned in an Editorial in Sedimentology. As it turned out the 1½-day event was well attended by some 150 persons. Unfortunately, the Association members were conspicuous by their absence. Altogether less than 20 registrants claimed their membership in the Association to take advantage of a reduced registration fee; most of those were invited speakers or officers of the Association. Perhaps this reporter, as the local organizer, failed to communicate. Alternatively we should revive the idea of having regular sectional activities, if *ad hoc* events should receive so little interest or attention from the members of our Association.

The idea of holding a Symposium on Pelagic Sediments was inspired by the fact that our understanding of oceanic deposits has been greatly advanced during the last few years by the JOIDES Deep Sea Drilling Project. Investigations of those samples in shore-based laboratories are promising to provide us with final solutions to age-old puzzles such as the origin of chalk, the cause of chertification, or the nature of nodular limestones. Meanwhile, there has been a renewal of interest in the Alpine pelagic rocks after the innovation of the New Global Tectonics. The bandwagon was given a further impetus after the discoveries of prolific oil reservoirs in the chalks under the North Sea. The conveners took advantage of the fact that workers in Europe and in the United States felt a need of getting together to compare notes and exchange data; we were, therefore, able to work out a comprehensive program. In contrast to many other occasions when the podium was always occupied by Herr Professors, the speakers in the Zürich Symposium were largely young research workers under 35. It was thus not surprising that the papers presented included mostly results of original research, and we had none of the warm-over rehash by jet-setters.

BERGER led off the Symposium with an analytical treatise on the inter-relation of plate-movement and paleo-bathymetry. The next two papers by SCHLANGER and by NEUGEBAUER discussed the compaction and cementation of chalks, and our colleagues in the petroleum industry might be particularly interested in those investigations on porosity-changes related to ooze-chalk-limestone transition. BANDEL and TUCKER followed and cited two case-histories of pelagic-limestone sedimentation in Paleozoic geosynclines.

Correcting an impression that pelagic sediments are necessarily deep or oceanic, HAKANSSON marshalled evidence to prove the relatively shallow depositional environments of the Maastrichtian chalk of northern Europe.

Two short talks on the question of nodular limestones got the afternoon session off with a good start: J. MULLER described their discovery of magnesian-calcite nodules in the deep Ionian Sea, which might represent the modern analogue of the ammonitico rosso in the Mediterranean Jurassic described by JENKYNs. The theme was then shifted to silica sedimentation. CALVERT introduced the subject with a masterful review. We have made great strides toward the understanding on chertification of oceanic sediments, largely as a consequence of the studies of the deep-sea drilling cores, as we were told by the next two speakers, WOODY WISE and ULRICH VON RAD. A third contribution by LANCELOT on the same theme was given by title only, as the author was at sea on *Glomar Challenger*. The first day of the symposium was concluded with a talk by NISBET on some bedded cherts which proved to originate as redeposited, ocean-ridge derived sediments.

The topic of active ridge-sedimentation received an erudition from BOSTRUM with emphasis on the geochemistry of pelagic ferromanganese deposits. The last four scheduled oral presentations were attempts in regional synthesis: by GARRISON on basalt-pelagic sediment relationships in geo-synclinal assemblages, by BERNOULLI on Mesozoic pelagic sediments in the Alpine-Mediterranean Tethys, by ROBERTSON on the late Cretaceous and Tertiary pelagic sediments of Cyprus, and by DIERSCHKE on the late Jurassic radiolarites of the Northern Calcareous Alps. A last minute addition was an interesting demonstration by WENDT that manganese nodules were in places constructed by benthic organisms.

After a short summary by the co-convenor Jenkyns, there was an active discussion emphasizing the difference between the pelagic sediments under the oceans and those on land. Deep-sea drilling provided a model of calcareous sedimentation on ridge-crest, followed by siliceous oozes only after the depositional site sank below the depth of carbonate-compensation. Yet the Alpine-Mediterranean ophiolite sequence manifested a reversed order of radiolarites followed by pelagic limestones. Several possible explanations were kicked around, but we obviously did not have a satisfactory answer. This interesting discussion was unfortunately cut short when we had to adjourn for lunch. Thus concluded a very successful Symposium.

The Bureau of the Association decided to recommend to the Publications Committee that the Symposium papers should be published as the first Special Publication of the Association. There was unanimous high praise for the originality of the research, for the quality of the presentations, and we all agreed on the timeliness of the theme. Thanks to the cooperation of the speakers, who had been advised of the eventuality of such a publication, we received almost all the final manuscripts after the oral presentations were made. The written contributions are being processed and we expect to send the complete manuscripts to the publisher before late January, 1974. I feel certain that the published volume will be a satisfactory substitute for those who missed the Zürich jamboree.

# BOOKS AND JOURNALS

GINSBURG, R.N. (Ed.) (1972) Evolving Concepts In Sedimentology

Articles by R.G. Walker, H.P. Eugster, K.J. Hsü, E.F. McBride,  
R.L. Folk, A. Sellacher and P. Hoffman. John Hopkins University  
Press, Baltimore, Maryland 21218. U.S.\$10.00.

CAROZZI, A.V., BOUROULLEC, J., DELOFFRE, R. and RUMEAU, J.-L. (1972)

Introduction to the Petrography, Geochemistry and Environmental  
Interpretation of Carbonate Rocks (Microfaciès du Jurassique  
d'Aquitaine). 300p., 200pl. Bilingual, French and English.

Service Documentation SNPA-CRP, B.P.65, 64001 Pau, France. 100F.

## International Union of Geological Sciences

The IUGS Geological Newsletter gives information on the activities of the geological sciences over the world. It appears 4 times a year, on the last day of March, June, September and December, and contains articles in English, French and Spanish, with English taking more than 80% of the space. Orders and Payments to Dr. S. van der Heide, P.O. Box 379, Haarlem, Netherlands; Bank Account Raiffeisenbank, Haarlem, Florapark 2, Haarlem, Konto No. 3244.08.072. Orders from Eastern Europe should be sent to Dr. J. Petránek, Department of Geology, Albertov 6, Prague 2, CSSR, and paid in Eastern European Currencies. The Newsletter is available from January 1974 to members of I.A.S. at the reduced price of Dfl. 14.00 (normal price Dfl. 20.00).

Harold Reading  
(Acting General Secretary)  
Department of Geology  
Parks Road  
Oxford OX1 3PR, U.K.

I.A.S. - BALANCE SHEET AS AT 31 DECEMBER 1971

	f	f		f	f
<u>Stock</u>			<u>Foundation capital</u>		
Printed matter	1.00		31 December 1970	36,084.51	
Sedimentology (vol. 1 up to 17)	1.00		In addition:		
Special publications	1.00		Student Fund	2,465.13	
		3.00	Publication Fund	1,253.58	
			Donation AGIP	<u>1,802.81</u>	
<u>Prepaid expenses</u>				41,606.03	
Editorial costs	1,000.00		Profit 1971	<u>6,442.22</u>	
Office expenses	386.75				48,048.25
Postage	<u>258.35</u>		<u>Items received in advance</u>		
		1,645.10	Membership dues 1972	757.00	
<u>Sundry debtors</u>			Membership dues 1973	14.40	
Membership dues 1968	50.40		Membership dues 1974	14.40	
Membership dues 1969	57.60		Membership dues 1975	7.20	
Membership dues 1970	385.60		Subscr. Sedimentology 1972	3,942.00	
Membership dues 1971	784.80		Miscellaneous	<u>139.00</u>	
Royalties Elsevier Publ. Co.: Sedimentology vol. 15, 16, 17 (est.)	12,000.00				4,874.80
Special Publications	5.00		<u>Sundry creditors</u>		
Contribution Elsevier to editorial costs	750.00		Elsevier Publ. Co.: Sedimentology 1971	331.19	
Bank interest	1,118.00		Back vol. Sedimentology		
Value added tax	<u>1,018.95</u>		Postage, packing etc.	72.00	
		16,130.48	General Secretary (postage, secretarial help)	381.34	
<u>Bank balances</u>			Office expenses	706.10	
ABRO-BANK N.V. Leiden (current account)	2,865.84		Bank charges	17.64	
ABRO-BANK N.V. Wageningen (current account)	10,433.28		Postage	375.73	
ABRO-BANK N.V. Wageningen (savings account)	<u>25,191.35</u>		Membership list 1971	<u>1,462.00</u>	
		38,490.47			3,346.00
		f 56,269.05			f 56,269.05

I.A.S. - BALANCE SHEET AS AT 31 DECEMBER 1972

	f	f		f	f
<u>Stock</u>		0.00	<u>Foundation capital</u>		
<u>Prepaid expenses</u>			31 December 1971	42,526.73	
Editorial costs	3,950.00		In addition:		
Office expenses, postage	<u>142.90</u>		Student Fund	2,465.13	
		4,092.90	Publication Fund	1,253.58	
<u>Sundry debtors</u>			Donation AGIP	<u>1,802.81</u>	
Membership dues 1972	379.05			48,048.25	
Royalties Elsevier Publ. Co.: Sedimentology vol. 17 (3 & 4), 18, 19 (est.)	13,000.00		Profit 1972	<u>6,791.30</u>	
Bank interest	115.00				56,839.55
Value added tax	<u>1,125.75</u>		<u>Items received in advance</u>		
		14,619.80	Membership dues and subscriptions Sedimentology	<u>7,400.19</u>	
<u>Bank balances</u>					7,400.19
ABRO-BANK N.V. Leiden (current account)	20,797.02		<u>Sundry creditors</u>		
ABRO-BANK N.V. Leiden (savings account)	<u>27,508.52</u>		Elsevier Publ. Co.: Sedimentology 1972	751.81	
		48,305.54	Sundry debts General secr., office exp. etc.)	<u>2,026.69</u>	
					2,778.50
		f 67,018.24			f 67,018.24

I.A.B. - Statement of Profit and Loss Account for the year 1971

Income:

Membership dues	5,054.40
Subscr. Sedimentology	20,790.00
Back vol. Sedimentology	669.60
Contributions Elsevier to Editorial costs	750.00
Royalties Elsevier Publ. Co.: Sedimentology	7,976.92 (est.)
Special Publications	5.00
Bank Interest	1,489.99

Expenses:

Elsevier Publ. Co.: Sedimentology	18,018.00
Back vol. Sedimentology	540.00
Postage, packing, etc.	3,497.87
Editorial costs	519.64
Membership list	1,462.00
Office expenses	1,188.65
General Secretary (postage, clerical help)	904.71
Treasurer: Clerical help	2,020.00
Postage	732.93
Bank charges	520.57
Bad debts	
Membership dues	480.90
Heidelberg Congress (hire students' information desk)	83.66
Miscellaneous	324.36
<u>Profit</u>	<u>6,442.22</u>

f 36,735.51

f 36,735.51

I.A.B. - Statement of Profit and Loss Account for the year 1972

Income:

Membership dues	4,343.69
Subscr. Sedimentology	20,464.82
Back vol. Sedimentology	249.32
Contribution Elsevier to Editorial costs	750.00
Royalties Elsevier Publ. Co.: Sedimentology	15,290.05
Bank Interest	1,385.02
Donations, curr. exch. diff., etc.	359.28

Expenses:

Elsevier Publ. Co.: Sedimentology	17,226.00
Back vol. Sedimentology	136.82
Postage	4,880.43
Editorial costs	3,628.15
Office expenses (printed matter, circulars)	1,381.75
Treasurer: clerical help	2,645.00
auditors' fee(est.)	675.00
Bank charges	918.47
Bad debts	
(membership dues)	1,207.05
Travel expenses council meetings	819.31
Miscellaneous	532.90
<u>Profit</u>	<u>8,791.30</u>

f 42,842.18

f 42,842.18

# INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS

The Association exists to promote the study of sedimentology and the interchange of research, particularly where international co-operation is desirable. Members of the Association (a) receive the journal SEDIMENTOLOGY, published 4 times a year, and are entitled to all issues of the year in which they subscribe, (b) receive Newsletters informing them of the past and future sedimentological activities throughout the world, (c) are entitled to reductions of fees at meetings sponsored by the Association. In addition to an International Sedimentological Congress once every 4 years, the Association sponsors smaller meetings designed to encourage the attendance of members from neighbouring countries.

Persons wishing to become members should complete the form below and send it direct to the Treasurer of the Association together with their subscription.

Payments of subscriptions should be made, preferably by International Money Order, to the Treasurer of the I.A.S., Dr J.W.A. Bodenhausen, Geological Institute, Garenmarkt 1 B, Leiden, The Netherlands. The account number is No. 45.10.60.555 (Postal Transfer No. 9200) at AMRO BANK N.V., Leiden, The Netherlands.

The subscription is D.fl. 40.00.  
of age the subscription is D.fl. 24.00.

For those under 26 years

Please state name with payment.

To: The Treasurer, International Association of Sedimentologists, Geological Institute, Garenmarkt 1 B, Leiden, The Netherlands.

Family name \_\_\_\_\_ Forenames \_\_\_\_\_

Mailing address \_\_\_\_\_  
\_\_\_\_\_

Title (Dr, Miss, etc.) \_\_\_\_\_ Country of Residence \_\_\_\_\_

Qualifications \_\_\_\_\_

Date of Birth \_\_\_\_\_ (If under 26 on 1st January of year for which membership is desired)

I enclose D.Fl. 40.00/24.00 by International Money Order/Bank Transfer/ Postal Transfer/Cheque, made payable to the International Association of Sedimentologists, C/o AMRO BANK N.V., Leiden, The Netherlands, A/c no. 45.10.60.555, payment for the year \_\_\_\_\_ for membership of the International Association of Sedimentologists.