

Chronicle

compiled by

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Visiting scientists

Prof. Dr. C. Alvarez RAMIS (Departamento de Paleontología, Facultad de Ciencias Geológicas, Universidad Complutense de Madrid), as invited professor of the Geological Section of the Hungarian Academy of Sciences worked in the Laboratory on the joint research programs. Cretaceous and Tertiary sporomorphs are the subjects of these researches. The project of the further researches was also discussed. She arrived on the 12th June and left Szeged on the 17th June.

Prof. Dr. Edward A. STANLEY (Ardmore, PA, U.S.A.) and his wife, Ann STANLEY visited Szeged and the Laboratory from 20th until 23th August. The purpose of the visit was the award of Prof. Dr. E. A. STANLEY with the Commemorative Medal of the Laboratory, but he informed about the experimental investigations of the Laboratory.

International Laboratory activities

27 January–07 February, 1998, Lucknow, Uttar Pradesh, India.

Prof. Dr. M. KEDVES visited again the Birbal Sahni Institute of Palaeobotany. The joint research programs and the first results were discussed with Prof. Dr. Anshu K. SINHA Director of the B.S.P.I. He together with Dr. S.K.M. TRIPATHI and Dr. Madhav KUMAR worked on the manuscript of the first part of the joint research program on the experimental studies of the palm pollen grains of India. During his stay in Lucknow several further research programs were planned.

08–11 February, 1998, New Delhi, India.

During his visit in New Delhi at the Indian National Science Academy Mr. M.S. PELIA Section Officer received Prof. Dr. M. KEDVES, and the results of the research programs of the Birbal Sahni Institute (India) and the Cell Biological and Evolutionary Micropaleontological Laboratory (Hungary) were discussed.

25 June–1 July, 1998, Cracow, Poland.

At the 5th European Palaeobotanical and Palynological Conference, on the 27th June, the following oral communication was presented :

KEDVES, M.: LM and TEM investigations on Hungarian Neogene lignites.

4–10 July, 1998, The Royal Botanic Gardens, Kew, London, United Kingdom.

M. KEDVES presented a poster ("Importance of the infratectal layer of the pollen grains"), at the International Conference; Pollen and Spores 1998 Morphology and Biology, on the 8th July.

26–28 September, 1998, Madrid, Spain.

Prof. Dr. C. ALVAREZ RAMIS and Prof. Dr. M. KEDVES discussed the up-to-date problems of their scientific cooperation.

29 September–3 October, 1998, León, Spain.

At the XII Simposio de Palinología APLE, on the 1st October the following oral communication was presented:

KEDVES, M., BORBOLA, A., HORVÁTH, E. and TÓTH, A.: Sur les problèmes de la Palynologie expérimentale.

Hungarian scientific activities

On the 15th January appeared the 9th number of Plant Cell Biology and Development.

At the 1334th meeting of the Botanical Section of the Hungarian Biological Society on the 6th April, the following lecture was delivered by M. KEDVES:

„Zárwatermő pollenszemek evolúciója és ősnövényföldrajza a felsőkréta időszakban” (Evolution and paleophytogeography of the *angiosperm* pollen grains during the Upper Cretaceous).

On the 7th April, at the meeting of the Geological Section of the Hungarian Academy of Sciences Prof. Dr. M. KEDVES presented the following paper: „Fosszilis spórák és pollenszemek ultrastruktúrája” (Ultrastructure of the fossil spores and pollen grains).

At the 1st Hungarian Paleontological Symposium (8–9, May, Tata, Hungary) the following oral communication was presented on the 8th May by M. KEDVES: „A magyarországi pre-quarter palinológia irányzatai és perspektívái” (Trends and prospects of the Hungarian pre-Quaternary Palynology).

On 24th August at the Conference of Symmetry and Asymmetry (Szeged, Hungary), M. KEDVES delivered the following communication: „A zárwatermő pollen evolúció és paleofitogeográfia szimmetria kérdései” (The symmetry problems of the evolution and paleophytogeography of the *angiosperm* pollen grains).

At the meeting of the Paleontological Commission of the Hungarian Academy of Sciences (Budapest) on the 17th September the following communication was delivered by M. KEDVES: „Felsőkréta kori zárwatermők származása és elterjedése a palinológiai eredmények alapján” (Origin and distribution of the Upper Cretaceous *angiosperms* on palynological basis).

30 November 1998, Budapest (1341th meeting of the Botanical Section of the Hungarian Biological Society), M. KEDVES presented his paper:

„A kísérletes palinológia újabb transzmissziós elektronmikroszkópos eredményei” (Newest TEM results of experimental Palynology).

Plate I.

1. Prof. Dr. Edward A. STANLEY, Prof. Dr. M. KEDVES and Ann STANLEY (from left to right) in the Laboratory.

2. Group of the participants at the reception of the Laboratory. From left to right: E. HORVÁTH, Prof. Dr. Edward A. STANLEY, Dr. A. TÓTH, Ann STANLEY, Dr. G. JUEZ, Prof. Dr. M. KEDVES, and A. BORBOLA. The pictures were taken by Dr. É. SIPOS-KEDVES.



Plate 1.

Laboratory meetings

20.02.1998

Report on the results of the visit in Lucknow, India, by: M. KEDVES.

The contribution of the Laboratory at international scientific meetings of this year, speaker: M. Kedves.

The state of the number 1999 of Plant Cell Biology and Development.

28.03.1998.

The contribution of the Laboratory in international scientific research programs, speaker: M. KEDVES.

Other businesses, speaker: M. KEDVES.

25.04.1998.

Publications of the Laboratory in international reviews, speaker: M. KEDVES.

Duties of the Laboratory for the contribution at international scientific meetings, speaker: M. KEDVES.

Preparations of the jubilee volume of Plant Cell Biology and Development, and presentation of the laboratory medals of 2000, by M. KEDVES.

Decision on the persons to be awarded with the Commemorative Medal of the Laboratory, 1998.

13.06.1998.

The following new middle school students became their scientific working at the Laboratory: BORSODI, A., DOBÓ, K., HORVÁTH, A., HORVÁTH, ESZTER, KANCSÁR, T., KOVÁCS, T., SZÉCSÉNYI, A. and TERBE, Zs.

21.08.1998.

On the occasion of the 8th Anniversary of the Laboratory the following persons participated at the exclusive reception: Professor Edward A. STANLEY, his wife, Ann STANLEY, (U.S.A.), Dr. Gabriela JUEZ (Chile), BORBOLA, A., HORVÁTH, E. and Dr. TÓTH, A.

Prof. Dr. M. KEDVES presented the awarded persons of this year:

Prof. Dr. Eszter NAGY (Budapest, Hungary) for her important results on the Neogene palynology in Hungary, and for her sacrificing efforts for the Palynology in the Hungarian scientific life. Regrettably she couldn't participate at this meeting because of the illness of her husband.

Prof. Dr. W.E. EL-SAADAWI (Cairo, Egypt) for the contribution of the joint researches on the Cretaceous Palaeobotany in Sinai. He couldn't visited Laboratory at this occasion in consequence of financial problems.

Prof. Dr. Edward A. STANLEY for his very important results on Cretaceous palynology, in particular in the Aquilapollenites Region in the U.S. and for several joint research programs within the international scientific programs of the N.S.F. and the K.K.I. Within this program combined studies were made on North American and European *Normapolles* and *Postnormapolles* taxa, LM, SEM and TEM methods were used. The enlarged SEM pictures taken in the EM Laboratory of the Georgia State University decorated the wall of the Laboratory (Picture 1, Plate 1.)

Plate 2.

1,2. Both sides of the silver medal of the "2000 Outstanding People of the 20th Century"

The pictures were taken by Dr. I. BAGI.

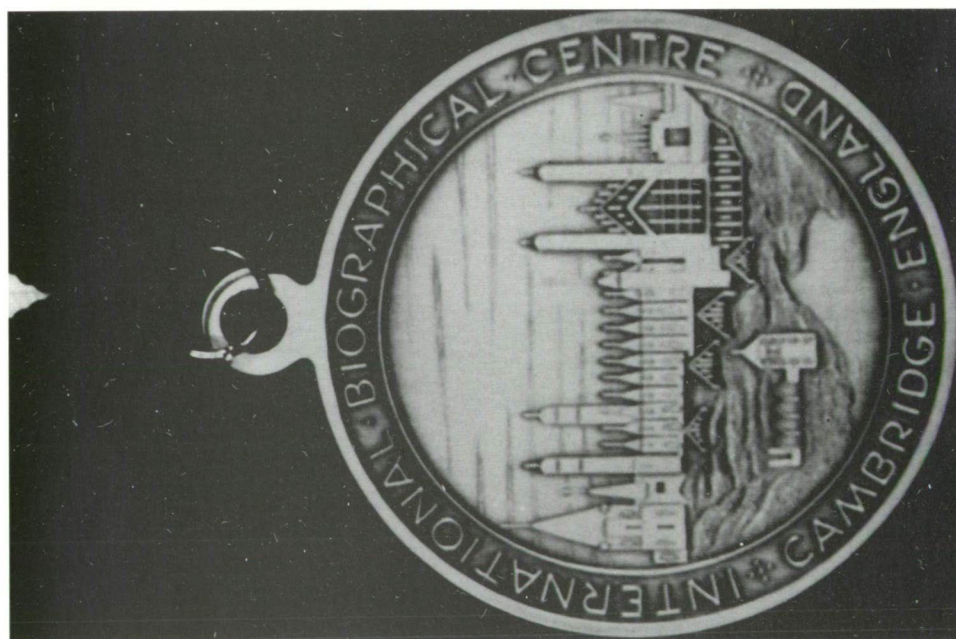


Plate 2.

19.08.1998.

Report on international scientific meetings, (Cracow, Kew), speaker: M. KEDVES.

Participation at the international scientific meetings and research programs, speaker: M. KEDVES.

The present day state of numbers 10 and 11 of Plant Cell Biology and Development, speaker: M. KEDVES.

10.10.1998.

Report on the XII APLE symposium (León), speaker: M. KEDVES.

Commemoration to Dr. B. ZÓLYOMI, member of the Hungarian Academy of Sciences. M. KEDVES reviewed the scientific work of B. ZÓLYOMI in particular his palynological achievements which were appreciated worldwide. His scientific activity may be characterized by multidisciplinary, centered on ecology and vegetation history was. His effort for the recognition of Hungarian palynology was also extremely important for the maturing generation in this field of researchers. He worked until the last minute of his life, he was really a great scientist and man.

The newest experiments of the Laboratory for 1999. The hydration effect, the biopolymer symmetry and the new methods for the partial destruction of the sporopollenin of the recent and fossil sporomorphs.

07.11.1998.

Malvaceae pollenszemek kísérletes vizsgálata (Experimental studies of *Malvaceae* pollen grains), speaker: E. HORVÁTH.

The up-to-date problems of the Laboratory, speaker: M. KEDVES.

Teaching program of the Laboratory.

During 1998 the following lectures were delivered:

1. Applied Palynology; 2 hours weekly.
2. Biopolymer organization and symmetry, 1+2 hours weekly.
3. Theory of Evolution and Natural Philosophy, 1 hour weekly.
4. Quasi-crystalloid biopolymer systems, 1+2 hours weekly.
5. Basic Palynology, 1+2 hours weekly.
6. Theory of the Supernova, 1 hour weekly.

Awards

During this year Prof. Dr. M. KEDVES was awarded with the silver medal of the "2000 Outstanding People of the 20th Century" (Plate 2., figs. 1,2). Donator: International Biographical Center, Cambridge, England.

The biography of Prof. Dr. M. KEDVES was published in the 15th Edition of "Who's Who in the World".



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