

## Chronicle

compiled by

ZS. TERBE

### *International Laboratory activities*

23 February - 08 March, 1999, Lucknow, Uttar Pradesh, India.

Under the Indian National Science Academy - Hungarian Academy of Sciences, Exchange of Scientists Programme, Prof. Dr. M. KEDVES worked in the Birbal Sahni Institute of Palaeobotany. Within the joint research program of the BSIP and the Laboratory, the following manuscript was completed:

KEDVES, M., BORBOLA, A., TRIPATHI, S.K.M. - MADHAV KUMAR: Transmission electron microscopic studies on partially degraded pollen grains of *Phoenix sylvestris* LINN.

Bibliographical data were disposable in the great library of the BSIP for the elaboration of further research programs of the Laboratory:

1. Variation-statistical investigations on the spores of the genus *Ceratopteris*.
2. Transmission electron microscopic investigations of partially degraded pollen grains of *Ambrosia artemisiifolia* L.

As regards the further scientific collaboration fruitful discussions were continued with the Heads and staff of the Birbal Sahni Institute of Palaeobotany.

### *Indian - Hungarian scientific relations*

On the 16<sup>th</sup> June 1999 at 16:00 o'clock the Office of the International Collaboration of the Hungarian Academy of Sciences and the Hungarian-Indian Friendship Society organized an exclusive reception in the House of Nations in Budapest. At this occasion Her Excellency Mrs. LAKSHMI M. PURI the new Ambassador of the Indian Republic delivered a lecture on the subject of the international scientific relations of India. At this reception she met Hungarian scientists who worked within the scientific programs of the two countries.

Mrs. LAKSHMI M. PURI Ambassador of India invited Dr. M. KEDVES to a lecture by the Ministry for Science and Technology of the Republic of India Mr. H.E. Dr. MURLI MANOHAR JOSHI, on Science and Technology in India: Past Achievements and Plans for the 21st Century. The lecture was presented in the India House on the 29th June at 17:30 o'clock in Budapest. The lecture was followed by a Buffet Dinner. The excellent lecture and the tasty indian foods made this occasion unforgettable.

24 April - 2 May, 1999, Sousse, Tunis.

At the 4th Symposium of African Palynology the following oral communications were presented by Prof. Dr. M. KEDVES:

28 April, KEDVES, M., PÁRDUTZ, Á., TERBE, ZS. et HORVÁTH, E.: Microscopie électronique à transmission de l'exine partiellement dégradé de grains de pollen de quelques *Cycadales*.

KEDVES, M., BORSODI, A., DOBÓ, K., KOVÁCS, E. et SZÉCSÉNYI, A.: L'effet de l'hydratation sur les grains de pollen des *Cycadales*.

13-19 September, 1999, Liège, Belgium.

The following lecture was delivered by Prof. Dr. M. KEDVES at the XVIth Symposium of A.P.L.F.:

16 September, KEDVES, M., PÁRDUTZ, Á., MADARÁSZ, M. et HORVÁTH, A.: Microscopie électronique à transmission de l'exine partiellement dégradée de grains de pollen d'*Ambrosia artemisiifolia* L.

26 September - 1 October, 1999, Buenos Aires, Argentina.

At the VII International Symposium on Mesozoic Terrestrial Ecosystems, the following contribution was presented on the 1st October:

KEDVES, M.: Transmission electron microscopy of Mesozoic terrestrial microfossils.

#### *Hungarian Scientific Activities*

On the 14th January, 1999, appeared the 10th appeared of Plant Cell Biology and Development.

At the 1347th meeting of the Botanical Section of the Hungarian Biological Society on the 19th April, the following lecture was delivered by M. Kedves:

"Kísérletes vizsgálatok *Cycadaceae* pollenzemeken" (Experimental investigation on *Cycadaceae* pollen grains).

On the 29th November at the 1353th one, the following paper was delivered by Prof. Dr. M. KEDVES:

KEDVES, M., PÁRDUTZ, Á. és MADARÁSZ, M.: A parlagfű virágporszemlein elért eddigi kísérletes ultrastruktúra vizsgálatok eredményei (The present day experimental ultra-structural results on the ragweed pollen grains).

#### *Laboratory meetings*

06.02.1999.

The present state of the volume 11. of Plant Cell Biology and Development.

The contribution of the Laboratory at the international scientific meetings held in Sousse, Tunis, and Liège, Belgium.

Preparations of the new experimental studies. Speaker: M. KEDVES.

13.02.1999.

Spore and pollen morphology, diapositive projections by M. KEDVES, and actual businesses of the Laboratory.

13.03.1999.

Report on the scientific study-tour in India (Lucknow, Birbal Sahni Institute of Paleobotany), and diapositive projections from Lucknow, and from spores and pollen grains (M. KEDVES).

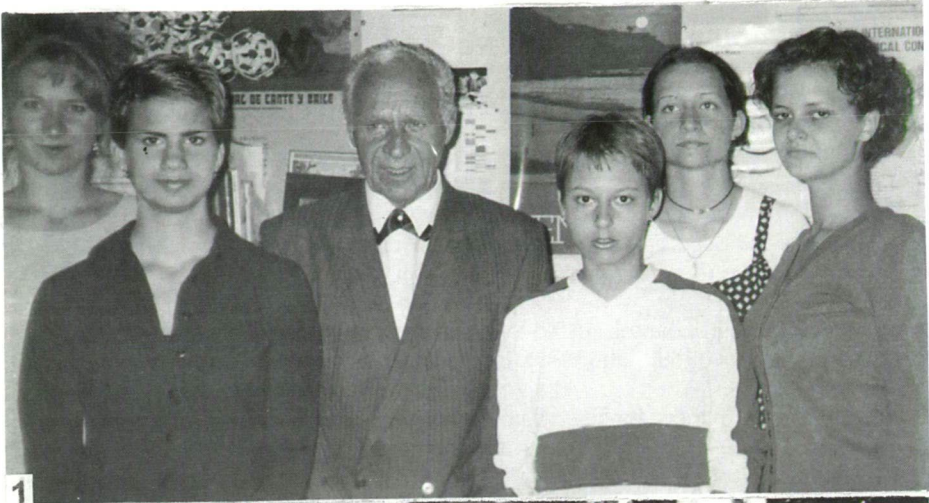
27.03.1999.

Discussion of the papers of the jubilee volume of Plant Cell Biology and Development.

Diapositive projections (Tenerife, Canary islands) and pollen grains, by M. KEDVES.

15.05.1999.

Report on the 4th Symposium of African Palynology, and actual businesses of the Laboratory. Speaker: M. KEDVES.

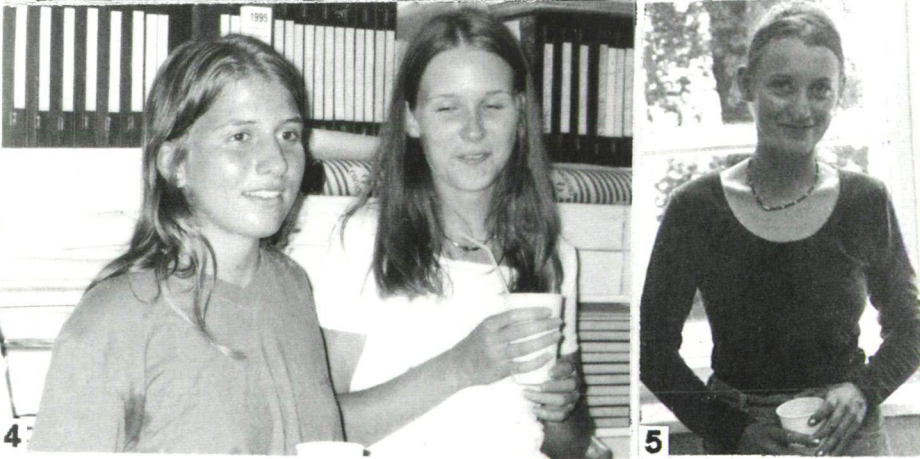


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Plate 1.

21.08.1999.

On the occasion of the 9th Anniversary of the Laboratory an exclusive reception was held for the members of the Laboratory. Prof. Dr. M. KEDVES introduced the awarded persons and their work.

04.09.1999.

The final editing of the volume 11. of Plant Cell Biology and Development.

Preparation of volume 12. and the contract with the Juhász Printers Office. The contribution of the Laboratory at the scientific meetings of next year. Preparation of the up-to-date scientific programs of the Laboratory. Speaker: M. KEDVES.

09.10.1999.

Report on the participation of the Symposia held in Liège and in Buenos Aires, and actual businesses of the Laboratory, by M. KEDVES.

20.11.1999.

Preparation of papers for the volume 12. of Plant Cell Biology and Development. The contribution of the students in editing the next volume. Actual businesses (M. KEDVES).

18.12.1999.

Review of the achievements of the Laboratory at the end of the Millennium, and further scientific and educational programs of the Laboratory. Speaker: M. KEDVES.

### *Teaching program of the Laboratory*

During 1999 the following lectures were delivered:

1. Introduction to the Palynology of pre-Quaternary deposits, PhD course, 1 + 2 hours weekly.
2. Applied Palynology, 1 + 2 hours weekly.
3. Biopolymer organization and Symmetry, 1 + 2 hours weekly.
4. Theory of the Evolution and Natural Philosophy, 1 hour weekly.
5. Basic palynology, 1 + 2 hours weekly.
6. Quasi-crystalloid biopolymer structure, 1 + 2 weekly.
7. Basic Supernova Theory, 1 + 0.

The following diploma work themes were delivered for students by the Laboratory:

1. Organization and symmetry of the plant biopolymers.
2. LM and TEM investigations of the experimental secondary alterations of spores and pollen grains.
3. Transmission electron microscopy of the partially degraded plant tissues.

### Plate 1

Staff of the Laboratory. 1. - From left to right: M. Madarász, A. Szécsényi, Prof. Dr. M. Kedves, A. Borsodi, J. Sashalmi, Zs. Terbe. 2. - J. Sashalmi. 3. - M. Madarász and E. Horváth. 4. - D. Tombácz and A. Horváth. 5. - A. Borbola. The pictures were taken by Dr. É. Sípos-Kedves.

*Award*

During this year Prof. Dr. M. KEDVES was awarded with the gold medal of the "American Biographical Institute 2000 Millennium Medal of Honor" (Fig. 1.).



Fig. 1.

Front side of the gold medal of the "American Biographical Institute 2000 Millennium Medal of Honor".  
The picture was taken by Dr. I. Bagi.

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