

REPORT ON THE 1975 IAU-UNESCO SCHOOL FOR YOUNG ASTRONOMERS

I. General Information

The 1975 IAU-UNESCO School took place in Athens from September 8 to October 4. The students were accommodated at the Hall of Residence of the Technical University of Athens. Lectures were delivered and part of the practical training was provided in the lecture rooms of the same place.

The courses were divided into three main parts :

- a) Regular lectures, supplemented by seminars and practical training at the Penteli Observatory in the evenings, took place between September 8 and 22. During this period the main Greek Observatories at Stefanion, Kryonerion and Dionysos were visited and detailed descriptions of the work performed there was provided.
- b) Lectures given on the island Thera which lies on the central line of next years solar eclipse. In addition to lectures on the main topics of the School, a course on the objectives of observation of solar eclipses was given. This part of the School took place between September 23 and 27.
- c) Post-school training at Greek Observatories and relevant institutions. Instruction was provided by the staff of the corresponding institutions during this optional part of the School, which took place between September 28 and October 4.

II. Subject of the School

The subjects taught concentrated on aspects of research which can be performed with medium-size telescopes. Within that general outline, particular aspects of the course were proposed by the lecturers themselves. It should be emphasised that the lecturers of this year's School were leading scientists in the field of observational astronomy, most of whom have been for a number of years heading large post-graduate departments of astronomy and have had good experience of the needs of students of this part of the world.

III. Participation

- a) Thirty-five foreign students from fifteen different countries took part in the School (appendix A). In addition thirty-nine Greek students attended. The School was provided mainly for students from countries of the Mediterranean area. However, a small number of students from other countries was also

admitted since the means of the School allowed it and good cases were made by their home institutions.

b) The School was regularly served by nine invited lecturers.

c) In addition to the regular lectures, guest speakers - either leading Greek scientists or members of the IAU Executive Committee - who kindly accepted invitations to address the School, delivered seminars on general or special topics.

IV. Lecture Courses :

Professor H. Brück : " Galactic Structure and Evolution "

Professor Ch. Fehrenbach : " Optical and Photometric Properties of Telescopes "

" Programme of Research with a Telescope of 120 cm "

Professor P.B. Fellgett : " Physics of noise and fundamentals of radiation detection ",

" Practicalities of photographic and photoelectric measurement "

" Flux-collection and field imaging "

" Informational methods "

Dr. J. Kleczek : " States of matter "

" Structure of the Universe "

" The Sun as a star "

Professor Z. Kopal : " Observations of close binary systems and their interpretation "

Dr. J. Meaburn : " Telescope auxiliaries "

" Fabry - Perot Interferometry "

Professor J. Rösch : " Development of new observatories "

" Seeing and site testing "

" Solar Eclipse observations "

Dr. H. Schmidt : " Hydromagnetic interpretation of stellar and solar activity "

Dr. M. Smyth : " Basic optics, photometers and spectrographs "

V. Seminars

Professor E.R. Mustel : " Ap Stars, Novae and Supernovae "

Professor G. Contopoulos : " Spiral arms of Galaxies "

- Professor L. Goldberg : " Instrumentation and work at Kitt Peak National Observatory "
- Professor L. Mavridis : " Research Programmes of the Stefanion Observatory "
" Flare Stars "
- Professor S. Persidis : " Experimental General Relativity from a theoritian's point of view "
- Dr. J. Kleczek : " Hydromagnetics of solar Atmosphere "
- Dr. E. Budding : " Variable Stars "
- Professor G. Veis - Dr. D. Balodimos - Dr. P. Billiris : Research Programmes of the Satellite Tracking Station .

VI. Cultural Programme

Saturday afternoons and Sundays were spent on different cultural activities mainly visits to archaeological sites and musea, and research centres. These visits were mainly organised by the National Foundation.

VII. Finances

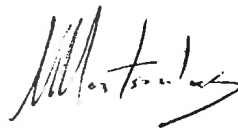
The School was supported by the Greek Ministries of Education, Coordination and Planning and Culture and Science, the IAU grant, the National Foundation of King Paul and the Eugenides Foundation (for details see Appendix B).

Athens, October 4, 1975



J. KLECZEK

Secretary



M. MOUTSOULAS

Director

A P P E N D I X A

INTERNATIONAL SCHOOL FOR YOUNG ASTRONOMERS

LIST OF STUDENTS BY COUNTRY

1. BULGARIA - 3
Radoslavova, Mrs. Svetana
Staneva, Mrs. Anelia
Stavrev, Mr. Konstantin
2. CZECHOSLOVAKIA - 2
Cingelova, Miss Jana
Ziznovsky, Mr. Josef
3. EGYPT - 4
Amin, Mr. Yehia Ali
Gamal-Eldin, Mr. Abdulla
Mahmoud, Mr. Farouk
Rassem, Mr. Mohamed El-Aziz
4. ENGLAND - 2
Budding, Dr. Edwin
Manousoyannaki, Miss Joanna
5. FRANCE - 3
Considère, Miss Suzanne
Froeschlé, Mrs. Christiane
Froeschlé, Mr. Claude
6. GERMANY - 2
Richter, Mr. Klaus
Schneider, Mr. Harmut
7. HUNGARY - 1
Ludmány, Mr. András
8. IRAQ - 3
Abdul-Ahad, Mr. Michael
El-Naimiy, Mr. Hamid
Sadik, Mr. A. R.
9. ITALY - 3
Buananno, Mr. Roberto
Ferrari-Toniolo, Mr. Marco
Visetti, Miss Guilia
10. NORWAY - 1
Andersen, Mr. Bo Nyborg
11. POLAND - 1
Schwarzenberg-Czemny, Mr. Aleksander
12. PORTUGAL - 1
Osorio, Dr. José Joaquim
13. SPAIN - 6
Bonet-Navarro, Mr. José
Garcia-Alegre, Mrs. Carmen
Herrera-Cabello, Mr. Felix
Millan, Mrs. Marta
Marí-Pagés, Mr. José
Sukhwani, Mr. Prem Kundanmal
14. TURKEY - 1
Kurutac, Mr. Mehmet
15. YUGOSLAVIA - 2
Arsenijevic, Miss Jelisaveta
Pavlovski, Mr. Kresimir

INTERNATIONAL SCHOOL FOR YOUNG ASTRONOMERS

LIST OF STUDENTS BY COUNTRY

CONT'D.

GREECE

1. Antonopoulou, Miss Eugenia
2. Assimakopoulos, Mr. Anthony
3. Avgolupis, Mr. Stavros
4. Baktis, Mr. Tassos
5. Dara-Papamargariti, Mrs. Helen
6. Dionisiou, Mr. Demetrios
7. Fylactopulos, Mr. Panos
8. Hereti, Miss Effie
9. Kotsifakos, Mr. Elias
10. Kurvaras, Mr. Manthos
11. Livaniou, Miss Helen
12. Niarchos, Mr. Panagiotis
13. Nikolopoulos, Mr. Chris
14. Papanicolopoulos, Mr. Bill
15. Papathanasiou, Miss Maria
16. Pahatouroglou, Mr. John
17. Petrellis, Mr. Charalambos
18. Pinotsis, Mr. Antonios
19. Piteri, Miss Sophia
20. Pletsas, Mr. Anastasios
21. Rovithis, Mr. Peter
22. Skintji, Miss Mary
23. Spiropoulos, Mr. Nikos
24. Troullinou, Miss Stella
25. Tsiga, Miss Vagia
26. Stathopoulou-Tsoga, Mrs. Maria
27. Tsouropis, Mr. Athanasios
28. Tjanakakis, Mr. Antonis
29. Tzanetakis, Mr. Andreas
30. Theodoulidou, Miss Panayiota
31. Vaiopoulos, Mr. Demetrios
32. Vasilatis, Mr. Evangelos
33. Vorropoulos, Mr. George
34. Vourkoutiotis, Mr. John
35. Zentelis, Mr. Nicolas
36. Zissimopoulou, Miss Acrivi
37. Hatoupis, Mr. George
38. Kontiza, Mrs. M.
39. Kontizas, Mr. E.

A P P E N D I X B

1. SCHOOL FOR YOUNG ASTRONOMERS EXPENSES (IAU Grant of \$ 8000)

Living expenses of students	4.845
Contribution towards living expenses of lecturers and hospitality to seminar speakers	1.370
Secretariat	520
Printing of announcements and duplicating lecture notes	640
Postage	75
Travel expenses	650
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	Sum \$ 8.000

2. CONTRIBUTION OF THE GREEK GOVERNMENT (approx. \$ 20.000)*

Ministry of Education (UNESCO Office)

Travel expenses of eight invited lecturers	4.600
Lecturers' salaries	4.300

Ministry of Culture and Sciences

Living expenses at Thera and gifts to students	5.400
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National Tourist Board

Travel expenses to Thera, local transportation and a reception	3.000
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Ministry of Coordination and Planning (UNESCO
Office)

To cover excess living expenses of students	3.000
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Sum . 20.300

* The expenses were paid directly through the corresponding Government agencies and we did not receive this contribution in cash ; the figures represent our estimate.