



Sociedade Portuguesa de Física

World Year of Physics

Final Report: 1 January - 30 December 2005

P19.1 - Calendars

During 2004 we advertised in all secondary schools this contest. The objective was to design a calendar where in each month facts and dates related to great physicists and to physics discoveries would be marked. The project was to be carried out by all students in a single class under the supervision of their physics teachers.

The prizes were awarded in a public ceremony presided by the Portuguese President of Republic, that took place in Lisbon, at the secondary school "Maria Amália Vaz de Carvalho", on the 14th of March 2005. Professor Martial Ducloy was an invited guest for this event which also marked the official opening of the WYP in Portugal.

The winners were:

1st - "Escola Padre Benjamim Salgado"

Vila Nova de Famalição

Classe 11B

Teacher: Atila Gören

2nd - "Escola Calazães Duarte"

Marinha Grande

Classe 12 I

Teacher: José Rogério Nogueira

3rd - "Escola de Gondomar"

Gondomar

Classe 12 1 and 2

Teacher: Ana Miranda

4th - "Escola de Monserrate"

Viana do Castelo

Classe 11H

Teacher Maria Luísa de Castro

The prizes were: a computer Desk-top for each class; CD, DVD and books for every student; and full expenses to cover the participation in the Bern EPS conference for the teachers.

An edition of the first prize calendar, for the school year 2005/06, was distributed, at the end of August, freely to all secondary schools in Portugal.





P19.2.2 – Eureka

In January 2005 we invited all school students to submit experimental physics projects to a competition named EUREKA. Each competing team would be formed by three students, at most, under the supervision of a teacher. To take care of the normal differences in knowledge and age of the students the competitors were divided in two groups according to their school level: A and B. In each class there were two prizes. One for what we have called "Demonstration" and the other called "Experimentation".

The 30 finalists performed their experiments on the 21st of October in the Science Park "Visionarium", in Feira, in the presence of the jury. For this event we also invited all students from the same class of the finalists and their teachers.

The winners were:

• Demonstration – Prémio Bartolomeu de Gusmão

o Class A:

Team name: Einsteinteam

Students: Filipe José Jesus Manco

Vanessa Maria Pereira Saramago Vitor Hugo Miranda Almeida

Work: Constituição do olho humano

Teacher: Liliana dos Santos

Escola Secundária/3ª Ciclo Dr.ª Maria Cândida – Mira Rua Óscar Moreira da Silva 3070-211 Mira

o Class B:

Team name: Finado bem tirinho

Students: Francisco Gaspar

Ivo Rosa

Gustavo Simões

Work: Produção de H2 a partir da Energia Solar

Teacher: Anabela Pestana

Escola Secundária Martinho-Árias de Soure Quinta das Nogueiras 3130-211 - Soure





• Experimentation – Prémio Manuel Valadares

o Class A:

Team name: As Craques da Física

Students: Marie-Lise Santos

Maria da Conceição Moreira Vera Mónica Lourenço S. Lisboa

Work: A Importância do Vestuário para conforto térmico

humano

Teacher: Maria Goretti Rocha

Escola E.B. 2,3 Milheirós de Poiares Rua Casa da Mámoa, 182 3700-739 Milheirós de Poiares

o Class B:

Team name: *CATHERAM*

Students: Márcio Esteves Lima

Fabiola N. Fernandes Costa Tiago Ferreira Queiroz

Work: Determinação de g

Teacher: José Manuel Costa Leme

Escola EB 2,3/S de Lanheses

Quinta da Barrosa 4925-404 Lanheses

Team name: Velocidade Furiosa

Students: Miguel Ângelo Mendes Oliveira

Tiago André Tinoco Vaz José Miguel A. Ramos Silva

Work: Hot Wheels Formula Fuelers

Teacher: Attila Gören

Escola Secundária Padre Benjamim Salgado Rua dos Estudantes 4770-270 Joane

The prizes were: a personal computer for each team-leader (teacher); CD, DVD and books for every student; and full expenses to cover a visit to the Science Museum of London for the five winning teams (students and teachers).





P19.3 – Prize for Physics Teachers

Through a direct mailing to all members of the "Sociedade Portuguesa de Física", posters sent to all schools and advertisements published in our journal and the general press, we invited teachers, school directors, parents, students and the public in general to nominate candidates for the prize "Rómulo de Carvalho". Rómulo de Carvalho was a well known and very good physics teacher and for this reason the prize was named after him.

The closing date for receiving nominations was 31 of July. There were 27 nomenees. A jury, presided by Prof. Fernandes Thomaz, former president of the SPF, and including Prof. Augusto Barroso and Prof. Maria Odete Valente, from the Physics and Education Departments of the University of Lisbon, respectively, visited the schools of the nominees and in each one interviewed the school director, the coordinator of the science department, three or four students or former students of the candidate and the candidate. The results were announced and the prizes awarded in Porto on the 2nd of December, during the general meeting of the SPF. The winners were:

• First Prize ex-eco:

Ana Carla Campos Escola Secundária Afonso Sanches – Vila do Conde

Regina dos Anjos Sousa Gouveia Escola Secundária Carolina Michaëlis - Porto

Alexandre José Costa Ferreira Escola Secundária de Loulé - Loulé

• Special Mentions:

Carla Maria Serra Ribeiro da Silva Baptista Escola Secundária da Amadora - Amadora

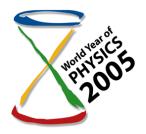
Carlos Bernardino Colégio Manuel Bernardes – Lisboa

Carlos Alberto Freitas Portela Escola Secundária c/3º CEB Dr. Joaquim de Carvalho – Figueira da Foz

Maria da Luz de Deus Castro Escola Secundária de D. Dinis - Lisboa

Paulo Gandra Santos EB 2,3 S. Pedro da Cova - Gondomar

The winners received a Diploma and a cash prize of five thousand Euros, each. Each of the runners up received a Diploma and a personal computer.





P19.4 – Science Colloquia in Schools

During the WYP our society promoted 250 physics colloquia in several secondary schools of the country, which were attended by around 15 000 students. A complete list with the names of the schools, the title and date of the colloquia and the name of the speakers can be found on our webpage. (http://spf.pt)

FINANCIAL REPORT

Direct costs	124 804,83 €
Overheads (20%)	<u>24 960,97 €</u>
Total	149 765,80 €

First payment	75 000,00€
To be paid	74 765,80 €
	149 765.80 €