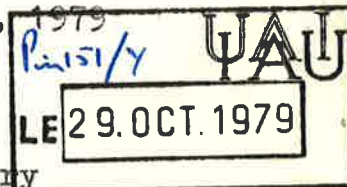


Czechoslovak Academy of Sciences  
ASTRONOMICAL INSTITUTE  
Ondřejov Observatory

251 65 Ondřejov  
Czechoslovakia  
Phone: Praha 72 45 25  
Telex 121579

September 26, 1979



Prof. P.A. WAYMAN,  
IUA General Secretary  
Dunsink Observatory  
Castleknock, co. Dublin  
Ireland

19-42-2

Dear Dr. Wayman:

This is just a short preliminary report about the IAU-UNESCO International School for Young Astronomers in La Laguna, Spain.

The interest about the School was enormous: from more than 120 applications we could accept only 60 (exact figures and names with addresses of all the participants are in the final report which you should receive in a short time). There were many who paid all the travel and boarding expenses by themselves. Among the participants were also many physicists with a deep interest in astrophysics and some of them would like to change their career to astrophysics.

Due to the unusually high number of participants, we had some difficulties with practical training - but thanks to the effort of all the staff of the Instituto de Astrofísica de Canarias and of the Observatories of Teide (Ezanas) and Roque de los Muchachos <sup>the students</sup> could do practical work (see final report for detailed program).

The participants lived together with the professors in the same building so that discussions, planning and consultations continued during meals and in free time. The living together is becoming an important feature of our Schools, to use at maximum their short duration.

The teaching and education is our primary goal. The personal and professional contacts of Spanish and Hispanoamerican young astronomers is another important contribution of the School, of long-lasting value. To bring young scientists together, to make them acquainted one with another, to summarize the present state and possibilities of astronomical research in their countries and promote collaboration between Institutes and Observatories - these post-school activities are (at least) equally important than the teaching and practical training during the School itself.

./.

Astrophysics in Spain starts to grow. I have been deeply impressed by the Instituto de Astrofísica de Canarias in La Laguna University: although it is a young Institute and relatively small, their scientific spirit is impressive, people are young and enthusiastic for astrophysical research and in contact with everyone you feel the warm human atmosphere. The Institute would not exist without the (allow me please the adjective) tremendous effort of their Director Professor Francisco Sanchez.

The School seems to have helped the development of astrophysics in general and the Instituto de Astrofísica de Canarias in particular by increasing their prestige in the University (speech of the Rector at the closing ceremony), in the province of Canary Islands (Señor Gobernador participated at the closing ceremony) and in the whole Spain (radio and newspapers often reported about the School, about astrophysics and in particular about the Instituto de Astrofísica de Canarias). I am convinced that the School was very important for the future development of astrophysics in Spain, and of astrophysics in Europe, because many new and large astronomical instruments are being constructed by various countries in Spain and in particular in Canary Islands (Roque de los Muchachos, Teide, Filabres - Caral Alto in Sierra Nevada, Yebes, Robledo, Cebreros, Fresnedillas etc).

The School was useful and successful thanks to the full support of local authorities, of the University de Canarias, thanks to all the staff of the Instituto de Astrofísica de Canarias, the staff of the Observatories de Teide and Roque de los Muchachos. It was successful due to the excellent organization by Professor Francisco Sanchez and Dr. Felix Herrera from the Instituto de Astrofísica de Canarias.

Dear Dr. Wayman, may I ask you to be so kind and to send one letter to Professor Sanchez, President of the School and to thank him and all the staff of his Institute, in particular the Secretary Rosana for all their effort and work; and another letter to Dr. Felix Herrera, the Local Secretary of the School (and his young son Felicillo) for the two months of their lives completely dedicated to the preparation, organization and functioning of the School.

Thank you very much. Sincerely yours

copy: Edith Müller

*Josip Kleczek*  
Josip Kleczek

*Answered 6/11/79*

REPORT, IAU-UNESCO School for Young Astronomers,  
from Spain, Spanish America, and Portugal, held in

the INSTITUTO DE ASTROFISICA DE CANARIAS

10-23 September 1979

### 1. Programme

The programme of the School was organised on the basis of the following topics:

Stars and their Evolution  
General Astrophysics  
Solar Physics  
Planetary System  
Spectroscopy  
Instrumentation and Techniques  
Interstellar Matter  
Differential Solar Rotation

### 2. Participants

120 applications were received of which 63 were accepted:

Argentine 2, Chile 3, Spain 51, Mexico 1, Portugal 5, Uruguay 1

### 3. Professors

The School had the co-operation of 8 lecturers for the theoretical classes and 11 assistants for the practical sessions.

### 4. Finances

Financial support for the School was obtained from (a) IAU, (b) UNESCO, (c) Comision Nacional de Astronomia (Instituto Geografico Nacional), (d) Instituto de Astro fisica de Canarias.

The Institute of Astrophysics of the Canaries and the University of La Laguna contributed materially by support for the facilities of the School. Local assistance was provided for excursions and entertainment.

### 5. School Activities

The School was first organised on the basis of 25 - 30 students but soon had a flood of applicants.

The objectives followed were the formulation and encouragement of co-operative work and these objectives were fulfilled, since in spite of the number and diversity

of the students, it was a unified group that followed the development of the course with real interest and participation, with full attendance at the classes.

Between the professors and the students was established a real interchange, giving the professors many opportunities to advise on the various difficulties encountered in their present and future research work. Similarly, the contact between the students of different countries has encouraged a fuller knowledge of the developing activities and established very fruitful contacts for the development of astronomy.

Theoretical classes were complemented by practical classes in the premises of the IAC in La Laguna and at the Teide Observatory, even if the large numbers limited somewhat their participation in the practical classes.

(Translation)

Abstracted from the Report of 30 Sept. 1979 at La Laguna

by Francisco Sanchez

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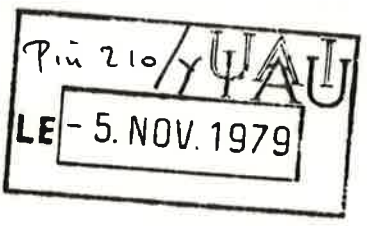
\$1 = Ptas 66

Consejo Superior de Investigaciones Cientificas  
Universidad de La Laguna  
Mancomunidad Interinsular de Cabildos

# INSTITUTO DE ASTROFISICA DE CANARIAS

Universidad de La Laguna, La Laguna. (Tenerife)  
Telex 92137 educi e - Tfnos. 922 - 25 26 48  
25 26 49

La Laguna, 25th October 1979



Prof. P.A. Wayman  
IAU General Secretary  
Dunsink Observatory  
Castleknock, co.  
Dublin. Ireland.

L 2119 referens :  
IAU/UNESCO grant = \$ 8000 = SF 13280  
paid 2/8/79 , SF 8000

	SF
Jaschek	1481,90
Kleczek	1606,00
+10 <sup>20</sup>	161,00
Renaudar	2031,10
paid	8000,00
<u>Total</u>	<u>13280,00</u>
	= Ptas 86,000

Dear Prof. Wayman:

I'm sending you the "Informe final" of the IAU-UNESCO International School for young Astronomers that has taken place in the Canaries last september.

I am in the aim of advicing you that we haven't yet received the total contribution of the IAU-UNESCO that we have been told by the last General Secretary of the IAU. (We have only received 8.000 S.F. the 14/8/79) this situation is causing financial problems to the Instituto de Astrofísica de Canarias.

As you can see in the "Anexo IV" of the "Informe Final", the total amount spended in the School was 909.004 ptas, the Local contribution was 323.500 ptas. and the IAU contribution 316.812 ptas (8.000 S.F.) so the diference are 269.692 ptas and if we add travell expenses from the teachers that already the Instituto de Astrofísica de Canarias has paid them we arrive to 353.618 ptas that we would be please of receiving by the IAU as soon as possible.

Thank you very much

Sincerely Yours

Prof. Francisco Sánchez  
DIRECTOR



- C.C. Prof.Dr. E. Muller
- C.C. Prof.Dr. D.Wentzel
- C.C. Prof.Dr. L.Houziaux
- C.C. Prof.Dr. D. McNally
- C.C. Prof.Dr. J. Kleczek

## ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

## HORAS DE CLASE Y MATERIA

Prof. R. Canal	: Estrellas y su Evolución ....	6 horas
Prof. M.J.Fernández Figueroa	: Prácticas de Espectroscopia .	10 horas
Prof. J. Kleczek	: Astrofísica General .....	10 horas
Prof. J. Kleczek	: Física Solar .....	7 horas
Prof. G. Munch	: Sistema Planetario .....	7 horas
Prof. M. Rego	: Espectroscopia .....	8 horas
Prof. C. Sánchez Magro	: Instrumentación y Técnicas ..	10 horas
Prof. F. Sánchez	: Materia Interestelar .....	3 horas
Prof. M. Vázquez	: Rotación diferencial Solar...	1 hora
Asistentes de I.A.C.	: Practicas en Física Solar, Fotometría, Lab. Electrónica y Mecánica .....	9 horas
Asistentes de I.A.C.	: Prácticas en Observatorio del Teide (Tenerife).....	8 horas
Asistentes de I.A.C.	: Practicas en Observatorio del Roque de los Muchachos ( La Palma).....	3 horas

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU- UNESCO - IAC

La Laguna, (Tenerife), 10-22 Setiembre 1979.

BECARIOS (Residentes)

Sr.D. José Luis Ballester Mortes  
Departamento de Física  
Facultad de Ciencias de Baleares  
PALMA DE MALLORCA  
(Baleares)

Sr.D. Ramón Calafat Rotger  
Catedra de Astronomía  
C/ Diagonal, 645  
BARCELONA 28

Sr.D. Jorge Nuñez de Murga  
Via Austria, 7, Pral. 1º  
BARCELONA 6

Sr.D. Jorge Torra Roca  
Pedrell, 150  
BARCELONA, 32

Sr.D. Rafael Garrido Haba  
Instituto de Astrofísica de Andalucía  
Apartado 2144  
GRANADA



Sr.D. Alvaro Gimenez Cañete  
Instituto de Astrofísica de Andalucía  
C/ Prof. Albareda, 1  
GRANADA

Sr.D. José Antonio Quesada Moreno  
Instituto de Astrofísica de Andalucía  
Apartado 2144  
GRANADA

Sr.D. Juan Márquez García  
C/ Virgen de la Paloma, 5  
LAS PALMAS DE GRAN CANARIA

Sr.D. Gonzalo Cañadas Echague  
C/ Conde Peñalver, 30  
MADRID 6

Srta. Elisa de Castro Rubio  
Departamento de Astrofísica  
Facultad de Físicas  
Universidad de Madrid  
Ciudad Universitaria  
MADRID

Sr.D. Julio Angel Fernández Alves  
Observatorio Astronómico Nacional  
Alfonso, XII, 3  
MADRID 7.

Sr.D. Jesús Jimenez Fuensalida  
Paseo de Goya, 21, Esc. Dcha. 7º C.  
Mostoles  
MADRID



Sr.D. Fernando Muñoz Fonseca  
C/ Breton de los Herreros, 10, 3, H.  
MADRID 3

Srta. Adoración Perea Lagranja  
C/ Cruz del Sur, 17, 2º, B.  
MADRID

Sr.D. Fernando Roblero Sanz  
C/ Jaspe, nº 5  
MADRID 26

Srta. M<sup>a</sup> de los Angeles Santiago Ceballos  
C/ Estanislao Figueras, 7, 4º, A.  
MADRID 8

Srta. Luisa Maria Sobreira  
Colegio Mayor Argentino  
C/ Martín Fierro, s/n  
Ciudad Universitaria  
MADRID 3.

Srta. Isabel Socia Gil Montaner  
C/ Ministro Ibañez Martín, 3  
MADRID

Sr.D. Pedro Vilarroig Aroca  
C/ Lirios, 1  
MADRID 16

Sr.D. Jaime Zamorano Calvo  
C/ Puerto Rico, 3  
MADRID 16

Srta. M<sup>a</sup> del Pilar Delfina García Estevez  
C/ Doñinos, 6, 1° D.  
SALAMANCA

Sr.D. Joaquin Castro Soler  
P/ Heroes del Alcazar, 2, 2°  
Catarroja  
VALENCIA

Sr.D. Victor Reglero Velasco  
Facultad de Ciencias Matemáticas  
Universidad de Valencia  
Dr. Moliner s/n  
Burjasot  
VALENCIA

Sr.D. Eduardo Ojero Pascual  
C/ García Lesmes, 3, 2°, C.  
VALLADOLID

Sr.D. José Felix Rojas Palenzuela  
C/ Juan de Garay, 6, 3°derecha  
Baracaldo  
VIZCAYA

Srta. Alba Grieco  
Observatorio de Córdoba  
Lápida 854  
5000 Cordoba  
ARGENTINA

Srta. Ana Bela Coutinho Canijo Teixeira  
Centro de Astronomia  
Observatorio Astronómico  
Vila Nova de Gaia  
PORTUGAL

Srta. Maria Adriana Galvao García  
Observatorio Astronómico  
Apartado, 147  
3002 Coimbra. Codex  
PORTUGAL

Srta. M<sup>a</sup> Luisa Machado Cerqueira Bastos  
Observatorio Astronómico "Prof. de Barros"  
Monte da Virgen  
Vila Nova de Guia  
PORTUGAL

Srta. Ligia Maria da Silva Ribeiro  
Observatorio Astronómico "Prof. de Barros"  
Monte da Virgen  
Vila Nova de Guia  
PORTUGAL

Sr.D. Mauricio Bitran Carreño  
Laura Tromben 5717  
Santiago de Chile  
CHILE

Sr.D. Jorge Bravo Rojas  
Candelaria Goyenechea n° 4460  
Santiago de Chile  
CHILE

Srta. Monica Rubio López  
Observatorio Radioastronómico  
Casilla, 68  
Maipu  
CHILE

Sr.D. Rogelio Aguirre Gutierrez  
Universidad de Jalisco, 202  
Col Villa Universidad  
San Nicolas de los Garza  
N.L. MEXICO

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

La Laguna, (Tenerife), 10-22 Setiembre 1979.

NO BECARIOS (Residentes)

Srta. Amelia Lillo López Salazar  
Angel Andrade, 16  
CIUDAD REAL

Srta. Maria Rosario López Hermoso  
La Rábida, 22  
CORDOBA

Sr.D. Manuel Saez Cano  
Instituto de Astrofísica de Andalucía  
Apartado 2144  
GRANADA

Sr.D. Enrique Sánchez Beitia  
Casa Arantxa, A, 2º  
(Herrera)  
San Sebastian  
GUIPUZCOA

Sr.D. Orlando Cobo Verdú  
Avenida Escaleritas, 103  
LAS PALMAS DE GRAN CANARIA

Srta. Nieves Casino Villanueva  
C/ Pamplona, 21  
MADRID 20

Sra. D<sup>a</sup> Esperanza García Alvarez  
San Ernesto, 6, Esc. 2<sup>o</sup>, 6<sup>o</sup>  
MADRID 2.

Srta. Maria Begoña de Luis Fernández  
Doctor Esquerdo, 58, 3<sup>o</sup> C.  
MADRID 30

Sr.D. Carlòs E. Martínez Roger  
C/ Menorca, 49, 5<sup>o</sup> E.  
MADRID 9

Srta. Teresa Rico de Lamo  
C/ Augusto Figueroa, 22  
MADRID 4

Sr.D. Jose Angel Ruiz del Arbol Goya  
C/ Sainz de Baranda, 53  
MADRID 9

Srta. Maria Concepción Pérez García  
Pl. de Cervantes, 1  
PALENCIA

Sr.D. Antonio Carrillo Díaz  
Cuesta del Pláto, 54  
SANTA CRUZ DE LA PALMA

Sr.D. José María Ibañez Cabanell  
C/ Cuenca, 125, 6°  
VALENCIA, 7

Sr.D. Jorge Ferreira Carneiro  
Observatorio Astronómico "Prof. de Barros"  
Monte da Virgen  
Vila Nova de Guia  
PORTUGAL



ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

La Laguna, (Tenerife), 10-22 Setiembre 1979.

NO BECARIOS

Sr.D. Nicolás de la Rosa Fox  
C/ Sagasta,7, 3°  
CADIZ .

Sr.D. Jesús Plata Suárez  
C/ del Juego n°8, 3°dcha.  
LA LAGUNA

Sr.D. Domingo Pestana Galván  
C/ Miguel Sosvilla, 6  
SANTA CRUZ DE LA PALMA

Sr.D. Roberto Apestigue García  
C/ Quevedo, 3, 3°, 6  
SANTA CRUZ DE TENERIFE

Sr.D. Ignacio Larrosa Cañistro  
Barriada Cepsa, Grupo 8, n° 303  
SANTA CRUZ DE TENERIFE

Sr.D. Luis Martín Vega  
C/ San Clemente, 3  
SANTA CRUZ DE TENERIFE

Sr.D. José Plácido Suárez  
C/ B. nº 11, Vista Bella  
SANTA CRUZ DE TENERIFE

Sr.D. José Javier Trujillo Bueno  
C/ Prosperidad, 94  
SANTA CRUZ DE TENERIFE

Sr.D. José Maria Cabestany Quintana  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

Sr.D. Remigio Gomez Díaz  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

Sr.D. J. Guillermo López Rodríguez  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

Sr.D. Manuel Pérez Gardé  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

Srta. Mercedes Prieto Muñoz  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

Sr.D. Teodoro Roca Cortes  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
TENERIFE

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

NOMBRES Y DIRECCIONES DEL PROFESORADO :

Prof. R. Canal  
Departamento de Física de la Tierra y del Cosmos  
Universidad Central de Barcelona  
Avda. Generalísimo, 647  
Barcelona 14

Prof. Maria José Fernández Figueroa  
Departamento de Astrofísica  
Universidad Complutense  
Ciudad Universitaria  
Madrid 3.

Prof. F. Herrera  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
Santa Cruz de Tenerife  
Islas Canarias. España.

Prof. J. Kleczek  
Astronomical Institute  
251 65 Ondrejov  
Czechoslovakia

Prof. G. Munch  
Instituto Max Plank fur Astronomie  
Konigtuhl  
6900 Heidelberg 1  
Alemania.

Prof. M. Rego  
Departamento de Astrofísica  
Universidad Complutense  
Ciudad Universitaria  
Madrid 3.

Prof. C. Sánchez Magro  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna.  
Santa Cruz de Tenerife  
Islas Canarias. España.

Prof. F. Sánchez Martínez  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
Santa Cruz de Tenerife  
Islas Canarias. España.

Prof. M. Vázquez  
Instituto de Astrofísica de Canarias  
Universidad de La Laguna  
Santa Cruz de Tenerife  
Islas Canarias. España.

## ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

1 Swfr = 39.6 Pra

## RESUMEN DE CUENTAS :

## Dinero recibido :

IAU (8.000 fs. recibidos el 14/8/79).....	316.812 ptas.
Alumnos (75% de estancia y manutención de alumnos no becarios).....	122.500 "
Contribución de la Comisión Nacional de Astro- nomía.....	100.000 "
Contribución del I.A.C.....	100.000 "
<hr/>	
TOTAL .....	639.312 ptas.

## Gastos de profesores (Viajes) :

Prof. J. Kleczek:	
Transporte.....	2.600 ptas.
Estancia y hotel.....	5.052 "
Prof. G. Munch:	
Billete aereo.....	20.828 "
Transporte y hotel .....	3.850 "
Prof. R. Canal:	
Billete aereo.....	14.492 "
Transporte y hotel.....	2.600 "
Prof. M. Rego:	
Billete aereo.....	14.652 "
Transporte y hotel.....	2.600 "

Prof. M.J.Fernández Figueroa:

Billete aereo.....	14.652 ptas.
Transporte.....	2.600 "

---

Total ..... 83.926 ptas.

Horas de Clase Teóricas:

Prof. F. Sánchez (3h. a 20\$).....	3.900 ptas.
Prof. J. Kleczek (17h. a 20\$).....	22.100 "
Prof. G. Munch (7h. a 20\$).....	9.100 "
Prof. R. Canal (6h. a 20\$).....	7.800 "
Prof. M. Rego (8h. a 20\$).....	10.400 "
Prof. M.J.Fernández Figueroa (2h. a 20\$).....	2.600 "
Prof. C. Sánchez (10h. a 20\$).....	13.000 "
Prof. M. Vázquez (1h. a 20\$).....	1.300 "

---

Total ..... 70.200 ptas.

Horas de Clases Prácticas:

D. Pedro Alvarez (8h. a 10\$).....	5.200 ptas.
D. Carlos Sánchez (8h. a 10\$).....	5.200 "
D. Maximino Galan (13h. a 10\$).....	8.450 "
D. Francisco Sánchez (4h. a 10\$).....	2.600 "
D <sup>a</sup> Mercedes Prieto (8h. a 10\$).....	5.200 "
D. Antonio Mampaso (8h. a 10\$).....	5.200 "
D. Teodoro Roca (8h. a 10\$).....	5.200 "
D. Manuel Vázquez (8h. a 10\$).....	5.200 "
D. Luis Tomas (3h. a 10\$).....	1.980 "
D. Miguel Angel Acosta (5h. a 10\$).....	3.250 "
D. Sergio González (5h. a 10\$).....	3.250 "
D. Felix Herrera (16h. a 10\$).....	10.400 "
D. José M <sup>a</sup> Cabestany (11h. a 10\$).....	7.150 "
D <sup>a</sup> Elisa de Castro Rubio (18h. a 10\$).....	10.998 "
D <sup>a</sup> M.J. Fernández Figueroa (16h. a 10\$).....	10.400 "

---

Total ..... 89.678 ptas.



Alojamiento de Profesores;

Prof. J. Kleczek.....	11.200 ptas.
Dr. M. Rego.....	11.200 "
Prof. G. Munch.....	4.800 "
Dr. M.J.Fernández Figueroa.....	11.200 "
Dr. R. Canal.....	4.000 "

---

Total ..... 42.400 ptas.

Transportes:

Sabado día 15 visita a Santa Cruz y Playa de las Teresitas.....	5.000 ptas.
Viernes día 21 visita a La Orotava y Puerto de La Cruz.....	5.500 "

---

Total ..... 10.500 ptas.

Gastos de Alumnos para Clases Practicas:

Viaje al Observatorio del Roque de los Muchachos Domingo día 16.....	85.026 ptas.
Viaje al Observatorio del Teide, Martes y Mierco- les días 18 y 19.....	18.000 "

---

Total ..... 103.026 ptas.

Alojamiento y manutención de alumnos:

33 becas a 11.200 ptas.....	369.600 ptas.
15 no becarios a 11.200 ptas.....	168.000 "

---

Total ..... 537.600 ptas.

Secretaria:

Correspondencia de alumnos, fotocopias de alumnos,  
edición de programas y otra información..... 55.600 ptas.

Total ..... 55.600 ptas.

;

RESUMEN:

Viajes de Profesores ..... 83.926 ptas.  
Clases Teoricas y Practicas..... 159.878 ptas.  
Alojamiento de Profesores..... 42.400 "  
Transportes..... 10.500 "  
Gastos de alumnos para clases  
practicadas..... 103.026 "  
Alojamiento y manutención de  
alumnos..... 537.600 "  
Secretaria..... 55.600 "

909.004 ptas ....909.004 ptas.

TOTAL ..... 992.930 ptas.

BALANCE :

Gastado en el Curso ..... 909.004 ptas.  
Dinero recibido ..... 639.312 "

Diferencia ..... 269.692 ptas.  
Gastos viajes profesores. 83.926 "

Pendiente de recibir .... 353.618 ptas.  
Remanente contribución IAU 148.627 "  
Pendiente de obtener..... 204.991 "

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## ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

Tenerife, del 10 al 22 de Setiembre

## ACTOS SOCIALES :

- Domingo 9 : 20:00 h. : Recepción
- Lunes 10 : 08:30 h. : APERTURA DEL CURSO
- Jueves 13 : 21:00 - 23:00 h. : Cena típica ofrecida por el  
Excmo. Ayuntamiento de La Laguna.
- Domingo 16 : 07:00 - 20:15 h. : Visita a las instalaciones del  
Roque de los Muchachos. Almuerzo  
ofrecido por el Excmo. Cabildo  
Insular de Santa Cruz de La Palma.
- Martes 18 : 12:30 - 20:30 h. : Visita al Parque Nacional de Las  
Cañadas del Teide y subida en el  
Teleférico a la cumbre del Teide.
- 20:30 - 01:00 h. : Cena en el Parador Nacional de las  
Cañadas del Teide, ofrecida por el  
Excmo. Cabildo Insular de Santa Cruz  
de Tenerife y posterior visita al  
Observatorio.
- Viernes 21 : 17:15 - 18:15 h. : CLAUSURA DEL CURSO
- 18:30 - 20:30 h. : Visita a la Casa de los Balcones  
(artesanía Canaria) en la Villa  
de La Orotava.
- 20:30 - 24:00 h. : Cena ofrecida en las Piscinas Municipales por el Excmo. Ayuntamiento del  
Puerto de la Cruz.

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

HORARIO DE CLASES

Semana del 10 al 15 de Setiembre

	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO
	08:30 - 09:30	08:30 - 09:30	08:30 - 09:30	08:30 - 09:30	08:30 - 09:30	08:30 - 10:30
	09:00 - 10:00	09:45 - 10:45	09:45 - 10:45	09:45 - 10:45	09:45 - 10:45	
	10:15 - 11:15	11:15 - 12:15	11:15 - 12:15	11:15 - 12:15	11:15 - 12:15	
	11:45 - 12:45	12:30 - 13:30	12:30 - 13:30	12:30 - 13:30	12:30 - 13:30	
	13:00 - 14:00					
	16:00 - 17:00	16:00 - 17:00	16:00 - 17:00	16:00 - 17:00	16:00 - 17:00	
	17:15 - 19:15	17:15 - 19:15	17:15 - 19:15	17:15 - 19:15	17:15 - 19:15	
Teoría						
Prácticas						

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

HORARIO DE CLASES

Semana del 17 al 23 de Setiembre

	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO
	08:30 - 09:30	08:30 - 09:30	09:45 - 10:45	08:30-09:30	08:30 - 09:30	
Teoria	09:45 - 10:45	09:45 - 10:45	11:15 - 12:15	09:45-10:45	09:45 - 10:45	
	11:15 - 12:15	11:15 - 12:15	12:30 - 13:30	11:15-12:15	11:15 - 12:15	
	12:30 - 13:30			12:30-13:30	12:30 - 13:30	
Practicas	16:00 - 17:00	14:00 - 01:00	16:00 - 17:00	16:00-17:00	16:00 - 17:00	
	17:15 - 19:15	Obsrv. Teide	17:00 - 23:00	17:15-19:15	17:15 - 18:15	CLAUSURA
			Obsrv. Teide			

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979

IAU - UNESCO - IAC

HORARIO DE CLASES Y PROFESORES

		D I A S									
		10	11	12	13	14	15				
H	1°	K	M	K	K	C	K				
O	2°	K	M	M	M	M	K				
R	3°	C	C	C	C	K					
A	4°	R	R	FF	M	C					
S											
	1°	SM	SM	FF	SM	SM					
	P.	IAC	IAC	FF	FF	FF	FF	M	FF	K	

		D I A S				
		17	18	19	20	21
		K	K		K	K
		S	R	K	SM	SM
		R	SM	S	V	R
		K	OBS. TEIDE		K	K
		SM		SM	S	SM
		FF		OBS. TEIDE		CLAUSURA

Prof. R. Canal  
 Prof. M.J. Fernández Figueroa  
 Prof. J. Kleczek  
 Prof. G. Munch  
 Prof. M. Rego  
 Prof. C. Sánchez Magro  
 Prof. F. Sánchez  
 Prof. M. Vazquez

I.A.C. : Asistentes del Instituto de Astrofísica de Canarias  
 P : Prácticas y Seminarios

ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES 1979  
IAU - UNESCO - IAC

HORARIO DE COMEDOR del 10 al 23 de Setiembre.

DESAYUNO : 07:30 - 08:30 horas

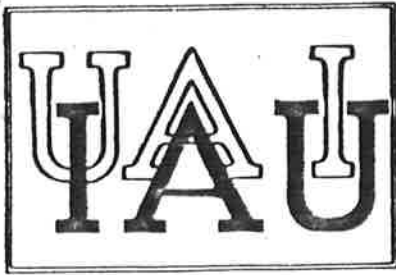
ALMUERZO : 13:30 - 14:30 horas

CENA : 20:00 - 21:00 horas

SECRETARIA: Horas de 14,30 : 16,00



# ESCUELA INTERNACIONAL PARA ASTRONOMOS JOVENES



CERTIFICAMOS QUE

HA PARTICIPADO ACTIVAMENTE EN LA ESCUELA INTERNACIONAL PARA  
ASTRONOMOS JOVENES IAU - UNESCO, ORGANIZADA POR EL INSTITUTO  
DE ASTROFISICA DE CANARIAS EN LA UNIVERSIDAD DE LA LAGUNA  
(TENERIFE - ESPAÑA) DEL 10 AL 23 DE SETIEMBRE DE 1979.

J. KLECZEK  
SECRETARIO

F. SANCHEZ  
DIRECTOR

MATERIAS : ASTROFISICA GENERAL, ESTRELLAS Y SU EVOLUCION,  
MATERIA INTERESTELAR, FISICA SOLAR, ROTACION  
DIFERENCIAL SOLAR, SISTEMA PLANETARIO,  
ESPECTROSCOPIA, INSTRUMENTACION Y TECNICAS.

PROFESORES

R. CANAL  
M.J. FERNANDEZ  
F. HERRERA  
J. KLECZEK  
G. MUNCH

M. REGO  
F. SANCHEZ  
C. SANCHEZ  
M. VAZQUEZ  
VARIOS MIEMBROS DEL IAC.