

INTERNATIONAL ASTRONOMICAL UNION
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ADDENDUM 1988 - 1990
Material in French and in Spanish

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ASTRONOMY EDUCATIONAL MATERIAL

A.E.M.

ADDENDUM 1988 - 1991

Material in French Language

IAU Commission 46 Report

by Michèle GERBALDI

**Institut d'Astrophysique de Paris
98 bis Boulevard Arago
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March 1991

For the first time only a very restricted list of books will be published for this new edition of the A.E.M. : the list given below concerns only the books published in French language.

A list of new astronomy books that have appeared since the last A.E.M. has been established. This compilation has been made from various sources, since there is no central source to consult, nevertheless this approach has proved to be fairly comprehensive in the past.

From this list we can have a general overview of the French market in that field. The table below gives the number of books published at various levels according to the following categories: (a "T" indicates that it is a translated book)

- A : Books and any other items for University students specializing in Astronomy.
 U : Introductory books and other items in specialized subjects of astronomy for University Science Students. Those books contain enough math and physics to be unreadable for those who have not studied it.
 S : Didactic of Astronomy. Textbooks, exercises, manuals etc... for secondary or elementary school teachers.
 GT : Technical instructions for the General Public on amateur observations, telescope making etc...
 GP : Outstanding and up to date popular books for the General Public (educated layman, amateurs as well as non-scientific students).
 Y : Materials at least sophisticated level, and materials for the juvenils.

	1985		1986		1987		1988		1989		1990	
		T		T		T		T		T		T
Y	3	1	3	1	4	2	5	4	3	10	3	8
A			2		3		1		1		3	1
U	3	1	7	2	12	3	4	1	4	1	5	1
GP	16	10	17	4	14		14	1	9	9	5	5
GT	4	1	4		6	5	7	2	2	4		1
S							3		1			
Total	26	13	33	7	39	10	34	8	20	24	16	16

An overall stability of the market exists since 1985. But a close look reveals that the amount of books published by French authors is decreasing since 1989. On the contrary, a domain is in expansion since 1989 : publications for the juveniles, but coming out mainly from translated books.

We provide here only a very limited set of selected materials at various level, that we have found useful. For an obvious reason we select none of the translated books.

The comprehensive list of astronomy educational material up-to-day published in French will be edited in some months by the "Comité de Liaison Enseignants - Astronomes", as well as a critical analysis for each of them. Such publication has already been done twice in the past since 1983. Such leaflet also contains a list of selected astronomical material at various level, in order that interested educator could realize with this list a library.

Category	Title	Author	Publisher	Year
A	Astrometrie Moderne	Kovalevsky J.	Springer-Verlag	1990
A	Astrophysique: Les Etoiles	Schatzman E. Praderie F.	Inter-Editions CNRS	1990
U	Astronomie CCD	Buil Ch.	S.A.P.	1989
U	Newton et la Mecanique Celeste	Maury J.P.	Gallimard	1990
U	Soleils eclates, les Supernovae	Montmerle T. Prantzos N.	CEA-CNRS	1988
U	Tout est relatif	Petit J.P.	Belin	1989
U	Big-Bang	Petit J.P.	Belin	1990
GP	Comment la Terre devint ronde	Maury J.P.	Gallimard	1989
GP	Des Hommes, des telescopes, des etoiles	Fehrenbach Ch.	CNRS	1990
Y	Petit guide du Ciel	Pellequer B.	Seuil	1990
S	L'Astronomie en questions et par la pratique	Ouvrage Collectif	CRDP (Marseille)	1988
S	L'Astronomie par la pratique	Ouvrage Collectif	CRDP (Besancon)	1988

S	Ciel mon option!	Ouvrage Collectif	CRDP (Lyon)	1988
S	Les mouvements apparents et relatifs des astres	Ouvrage Collectif	IREM (Limoges)	1989
S	La Lune niveau college 1	Ouvrage Collectif	CLEA	1991
S	L'Astronomie a l'école elementaire	Ouvrage Collectif	CLEA	1991
S	Le Transolite (transparent anime pour retroprojecteur)	Fugiglando G. Ripert J.	CLEA	1989
S	Les fuseaux horaires (transparent anime pour retroprojecteur)	Tryoen V. Ripert J.	CLEA	1990
S	Les saisons (transparent anime pour retroprojecteur)	Tryoen V. Ripert J.	CLEA	1990
S	Les phases de la Lune (diapositives)	Tryoen V. Toussaint D.	CLEA	1991

Belin : 8 rue Ferou 75278 Paris Cedex 06

CLEA : Comite de Liaison Enseignants Astronomes Universite de Paris-XI, Lab. d'Astronomie Bat. 470, 91405 Orsay Cedex

CNRS : 15 quai Anatole-France 75700 Paris

CRDP : Centre Regional de Documentation Pedagogique
11 rue de la Convention BP 1153, 25003 Besancon Cedex
47-49 rue Philippe-de-Lassalle, 69316 Lyon Cedex1
55-57 rue Sylvabelle, 13291 Marseille Cedex2

Gallimard : 5 rue Sebastien Bottin 75007 Paris

IREM : Institut de Recherche pour l'Enseignement des Mathematiques 123 rue Albert-Thomas, 87060 Limoges Cedex

Seuil : 27 rue Jacob 75007 Paris

S.A.P. : Societe d'Astronomie Populaire, Avenue Camille Flammarion, 31500 Toulouse

Springer-Verlag : 26 rue des Carmes 75005 Paris

BOOKS IN SPANISH IN ORDER TO START AN ASTRONOMY LIBRARY

Julieta Fierro, Instituto de Astronomía, UNAM

The enormous social problems that inhibit the development of most spanish speaking countries make it very difficult for general public and for science students to purchase the fine astronomy books that are usually published in developed countries (Abell's book costs 1/4 of the monthly mexican minimun wage). So Commision 46 idea of creating a list of astronomy books in spanish is excellent.

There is a recent excelent general astronomy book:

Astronomía Contemporánea

José Maza

Ed. Universitaria, 1988

(San Francisco 454, Santiago de CHILE)

There is a translation edited in Spain:

Donald H. Menzel y Jay M. Pasachoff

Guia de Campo de las Estrellas y los Planetas

Segunda Edición Revisada y Ampliada

Ediciones Omega, S.A., Plato, 26-08006, Barcelona

Mexican astronomers have collaborated in several books of a Science collection:

La Ciencia Desde México

Fondo de Cultura Económica

(Av. Universidad 975, México, 031000 D.F., MEXICO)

In particular the books of Rodríguez, Fierro-Herrera, Bravo are good introductory books (there price is very low, about \$1.00 U.S.). These books are about our Universe, the Solar System and the Sun. This collection includes other book on more specialized topics: Black Holes, Binary Stars, Mexican Astronomical History; by Hacyan, Echeverría, Moreno, and Bohigas.

Another good book on cosmology, for general public is:

Allen C. and Herrera M.A.

Universo sin Límite

(Equipo Sirios, Desengaño 12, 28004 Madrid, España)

Concerning books for children:

Herrera and Fierro have written 4 books:

La Tierra, El Sistema Solar, El Cosmos and Las Estrellas

SITESA (San Marcos 102, Tlalpan, 14000. México, D.F.)

Pasachoff and Pasachoff have a series for 3-6 graders recently translated: Discover Science (Scott, Foresman and Co., 1900 East Lake Ave, Glenview, IL 60025 USA)