

ESA Newsletters

REACHING FOR THE SKIES NO. 24
(NOVEMBER 2001)

NEWSLETTER OF THE ESA DIRECTORATE OF
LAUNCHERS

WILLEKENS PH. & BENAÏTIER F.
(EDS. SAWAYA-LACOSTE H. & BATTRICK B.)
NO CHARGE

ON STATION NO. 6 (SEPTEMBER 2001)

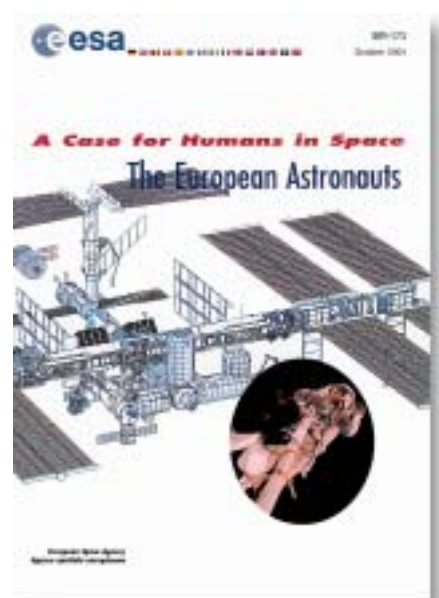
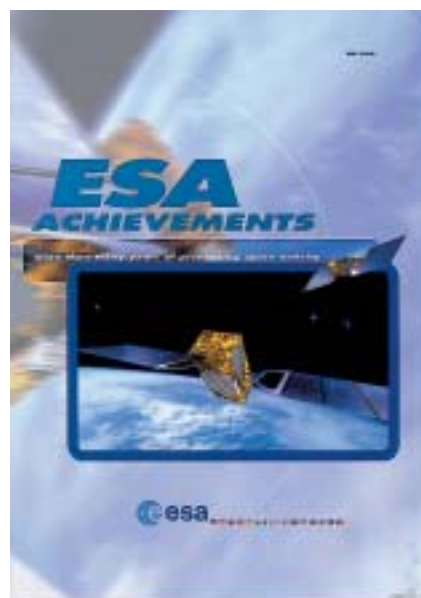
NEWSLETTER OF THE DIRECTORATE OF
MANNED SPACEFLIGHT AND MICROGRAVITY
ED. WILSON A.
NO CHARGE

ON STATION NO. 7 (DECEMBER 2001)

NEWSLETTER OF THE DIRECTORATE OF
MANNED SPACEFLIGHT AND MICROGRAVITY
ED. WILSON A.
NO CHARGE

Publications

The documents listed here have been issued since the last publications announcement in the ESA Bulletin. Requests for copies should be made in accordance with the Table and Order Form inside the back cover



ESA Brochures

**ESOC: CENTRE EUROPEEN DE
CONTROLE DES SATELLITES (AOUT 2001)**
LANDEAU-CONSTANTIN J.
EDS. SCHUERMANN & WARMBEIN B.
ESA BR-110 (UPDATED) // 32 PAGES
PRICE: 10 EURO

**THE EUROPEAN ASTRONAUTS – A CASE
FOR HUMANS IN SPACE (OCTOBER 2001)**
ED. WARMBEIN B.
ESA BR-173 // 38 PAGES
PRICE: 10 EURO

**ESA TELECOMMUNICATIONS
(NOVEMBER 2001)**
– STRATEGIC PLAN
– LONG-TERM PLAN
– IMPLEMENTATION PLAN
ELIA C. (ED. B. BATTRICK)
ESA BR-177 // 69 PAGES + CD-ROM
PRICE: 30 EURO

**ROSETTA – EUROPE'S COMET CHASER
(SEPTEMBER 2001)**
*ESA SCIENCE PROGRAMME
COMMUNICATION SERVICE*
TEXT BY: P. BOND
EDS: BATTRICK B. & TALEVI M.
ESA BR-179 // 21 PAGES
PRICE: 7 EURO

**ESA SECTORIAL / CROSS-SECTORIAL
STRATEGIES (NOVEMBER 2001)**
ESA STRATEGY DEPARTMENT
ED. BATTRICK B.
ESA BR-180 // 40 PAGES
PRICE: 7 EURO

**THE EUROPEAN SPACE SECTOR IN THE
WORLD (NOVEMBER 2001)**
ESA STRATEGY DEPARTMENT
ED. BATTRICK B.
ESA BR-181 // 32 PAGES
PRICE: 7 EURO

**ACHIEVEMENTS SINCE THE ESA COUNCIL
AT MINISTERIAL LEVEL IN 1999
(NOVEMBER 2001)**
ESA STRATEGY DEPARTMENT
ED. BATTRICK B.
ESA BR-182 // 36 PAGES
PRICE: 7 EURO

**ELIPS: LIFE & PHYSICAL SCIENCES IN
SPACE - EXECUTIVE SUMMARY
(NOVEMBER 2001)**
ED. WILSON A.
ESA BR-183 // 16 PAGES
PRICE: 7 EURO

**ESA ACHIEVEMENTS – MORE THAN
THIRTY YEARS OF PIONEERING SPACE
ACTIVITIES (NOVEMBER 2001)**
A. WILSON
ESA BR-200 // 280 PAGES
PRICE: 30 EURO

ESA Special Publications

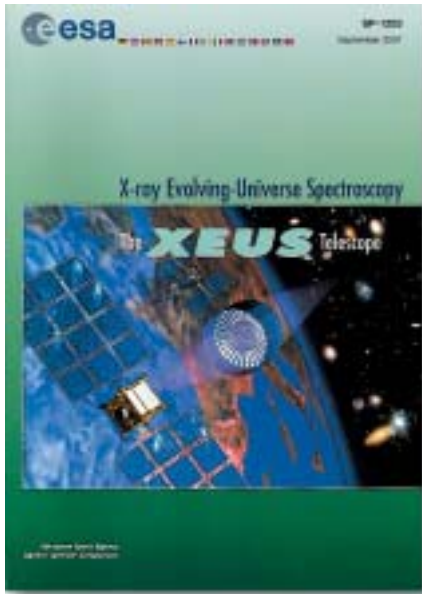
**ENVIRONMENTAL TESTING FOR SPACE
PROGRAMMES – PROCEEDINGS OF
THE 4TH INTERNATIONAL SYMPOSIUM,
PALAIS DES CONGRÈS, LIÈGE, BELGIUM,
12-15 JUNE 2001 (SEPTEMBER 2001)**
ED. SCHÜRMANN B.
ESA SP-467 // 565 PAGES
PRICE: 50 EURO

**EUROPEAN ROCKET AND BALLOON
PROGRAMMES AND RELATED RESEARCH
– PROCEEDINGS OF THE 15TH ESA
SYMPOSIUM, BIARRITZ, FRANCE,
28-31 MAY 2001 (AUGUST 2001)**
ED. WARMBEIN B.
ESA SP-471 // 691 PAGES
PRICE: 60 EURO

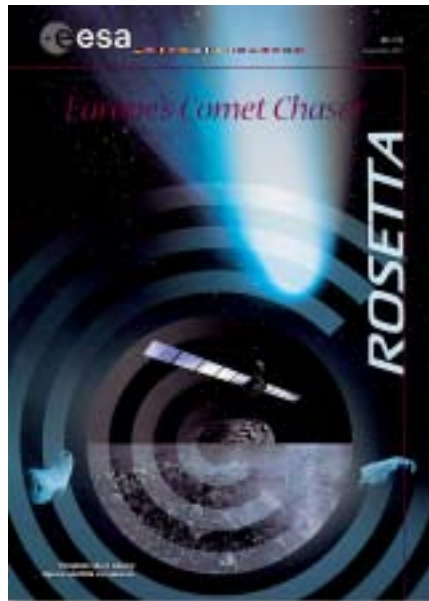
**SPACE MECHANISMS AND TRIBOLOGY –
PROCEEDINGS OF THE 9TH EUROPEAN
SYMPOSIUM, LIÈGE, BELGIUM, 19-21
SEPTEMBER 2001 (SEPTEMBER 2001)**
ED. HARRIS R.A.
ESA SP-480 // 359 PAGES + CD-ROM
PRICE: 50 EURO

**DASIA 2001: DATA SYSTEMS IN AEROSPACE
– PROCEEDINGS OF AN INTERNATIONAL
SYMPOSIUM, NICE, FRANCE, 28 MAY –
1 JUNE 2001 (AUGUST 2001)**





EDS. SCHÜRMMANN B. & SAWAYA-LACOSTE H.
 ESA SP-483 // CD-ROM
 PRICE: 25 EURO



GREEN PROPELLANTS FOR SPACE PROPULSION – PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE, NOORDWIJK, THE NETHERLANDS, 20-22 JUNE 2001 (OCTOBER 2001)
 ED. PERRY M.
 ESA SP-484 // CD-ROM
 PRICE: 25 EURO

SOLAR ENCOUNTER – PROCEEDINGS OF THE FIRST SOLAR ORBITER WORKSHOP, PUERTO DE LA CRUZ, TENERIFE, 14-18 MAY 2001 (SEPTEMBER 2001)
 EDS. BATTRICK B. & SAWAYA-LACOSTE H.
 ESA SP-493 // 476 PAGES
 PRICE: 50 EURO

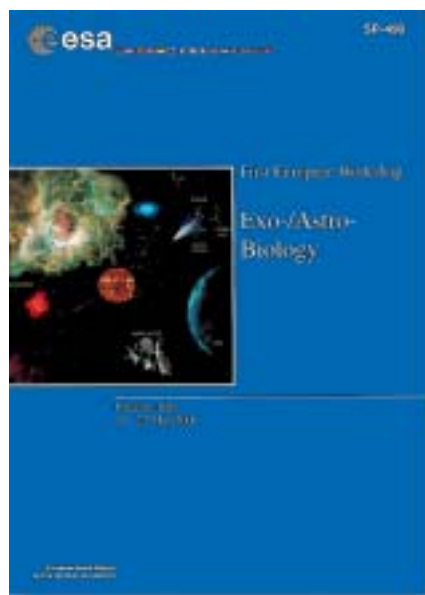
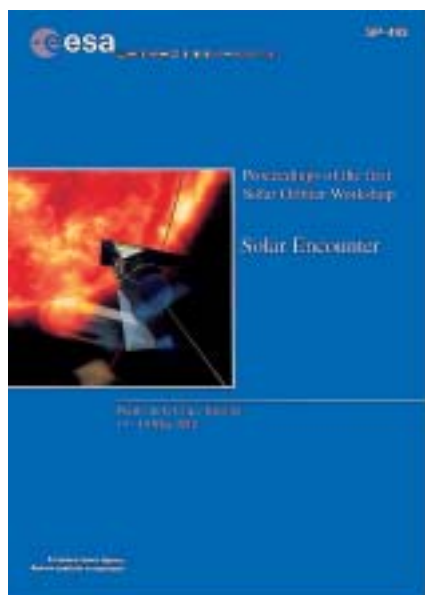
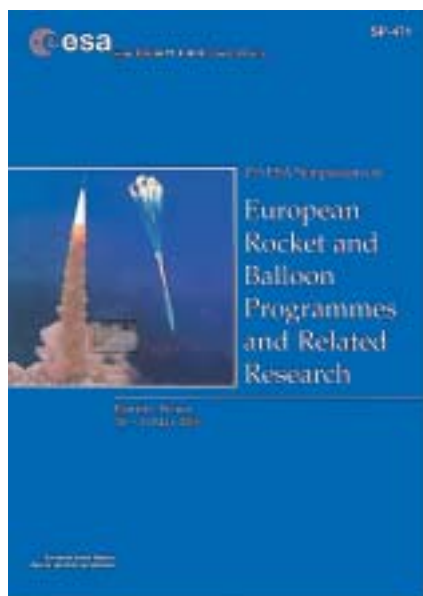


METEORITIDS 2001 – PROCEEDINGS OF AN INTERNATIONAL CONFERENCE, KIRUNA, SWEDEN, 6-10 AUGUST 2001 (NOVEMBER 2001)
 ED. WARMBEIN B
 ESA SP-495 // 683 PAGES
 PRICE: 60 EURO



EXO-/ASTRO-BIOLOGY – PROCEEDINGS OF THE FIRST EUROPEAN WORKSHOP, FRASCATI, ITALY, 21-23 MAY 2001 (AUGUST 2001)
 EDS. EHRENFREUND P., ANGERER O. & BATTRICK B.
 ESA SP-496 // 444 PAGES
 PRICE: 50 EURO





THE XEUS TELESCOPE – X-RAY
EVOLVING-UNIVERSE SPECTROSCOPY
(SEPTEMBER 2001)
XEUS TELESCOPE WORKING GROUP
(ED. A. WILSON)
ESA SP-1253 // 48PAGES
PRICE: 10 EURO

TECHNOLOGIES FOR EXPLORATION –
AURORA PROGRAMME PROPOSAL:
ANNEX-D (NOVEMBER 2001)
ED. WILSON A.
ESA SP-1254 // 187 PAGES
PRICE: 30 EURO

REPORTS FOR ASSESSMENT - THE FIVE
CANDIDATE EARTH EXPLORER CORE
MISSIONS (SEPTEMBER 2001)
– EARTHCARE – EARTH CLOUDS,
AEROSOLS AND RADIATION EXPLORER
POIRES BAPTISTA J. & LEIBRANDT W.



Contractor Reports

ESA CR(P) documents are available on microfiche from either of the following addresses:

British Library - Doc. Supply Centre
Customer Service
Boston Spa
Wetherby, West Yorkshire
LS23 7BQ
England

Universitaetsbibliothek und TIB
Welfengarten 1B
D-30167 Hannover
Phone: (+49) 511/762-2268
Fax: (+49) 511/715936

- WALES - WATER VAPOUR LIDAR
EXPERIMENT IN SPACE
INGMANN P. & MELIERE A.
 - WATS - WATER VAPOUR AND
TEMPERATURE IN THE TROPOSPHERE
AND STRATOSPHERE
FLOURY N. & FUCHS J.
ACECHEM -ATMOSPHERIC COMPOSITION
EXPLORER FOR CHEMISTRY AND
CLIMATE INTERACTION
LANGEN J. & FUCHS J.
 - SPECTRA - SURFACE PROCESSES AND
ECOSYSTEM CHANGES THROUGH
RESPONSE ANALYSIS
RAST M. & DEL BELCO U.
- EDS: HARRIS R.A. & BATTRICK B.
ESA SP-1257 //130, 91, 98, 105, 126 PAGES
PRICE: 60 EURO (5 VOLS)

ESA Scientific & Technical Memoranda

EVALUATION OF THERMALLY
CONDUCTIVE ADHESIVES AS STAKING
COMPOUNDS DURING THE ASSEMBLY
OF SPACECRAFT ELECTRONICS
(AUGUST 2001)
TEGEHALL P-E. & DUNN B.D
ESA STM-265 // 30 PAGES
PRICE: 10 EURO

ASSESSMENT OF THE RELIABILITY OF
SOLDER JOINTS TO BALL AND COLUMN
GRID ARRAY PACKAGES FOR SPACE
APPLICATIONS (SEPTEMBER 2001)
TEGEHALL P-E. & DUNN B.D
ESA STM-266 // 57 PAGES
PRICE: 20 EURO

ESA Contractor Reports

ATV SIMULATION & TRAINING FACILITIES
- FINAL REPORT (FEBRUARY 2001)
TERMA A/S, DENMARK
ESA CR(P)-4317 // 30 PAGES
PRICE: 10 EURO

GS-STF - ATV TRAINING FACILITIES FOR
CREW TRAINING AND FLIGHT CONTROL
TEAM TRAINING (FEBRUARY 2001)
ASTRIUM, GERMANY
ESA CR(P)-3418 // 24 PAGES
PRICE: 10 EURO

MICRO-ROBOTS: COMPONENTS AND
CONTROL - SUMMARY REPORT
(DECEMBER 2000)
ASTRIUM, GERMANY
ESA CR(P)-4319 // 85 PAGES
PRICE: 10 EURO

STUDY OF SCALING AND SENSOR
PARAMETER OPTIMISATION FOR A SAR
SUPPORTING LSPIM (JANUARY 2001)
ALCATEL, FRANCE
ESA CR(P)-4320 // 259 PAGES
PRICE: 40 EURO

RETRIEVAL ALGORITHMS FOR ACTIVE
REMOTE SENSING - FINAL REPORT
(DECEMBER 2000)
CESBIO, FRANCE
ESA CR(P)-4321 // 172 PAGES
PRICE: 30 EURO

DEFINITION OF MISSION OBJECTIVES
AND OBSERVATIONAL REQUIREMENTS
FOR AN ATMOSPHERIC CHEMISTRY
EXPLORER MISSION (2001)
CCLRC, UK
ESA CR(P)-4323 // 243 PAGES AND CD-ROM
PRICE: 40 EURO

ANALYSIS OF UTILISATION OF SATELLITE
FORMATIONS FOR THE IMPLEMENTATION
OF EARTH OBSERVATION MISSIONS
(MARCH 2001)
ASTRIUM, GERMANY
CR(P)-4324 // 25 PAGES
PRICE: 10 EURO



Credit Card Payments for ESA Publications

It is possible to purchase the Agency's publications from the ESA Publications Division 'Bookshop' using your corporate or your personal credit card (Eurocard/Mastercard, Visa or American Express).

You can telephone or telefax your orders to the numbers given below, quoting your card's number, security code (where applicable), and its expiry date.

The Bookshop (attn. Mr Frits de Zwaan)
ESA Publications Division
ESTEC
Keplerlaan 1
2200 AG Noordwijk
The Netherlands

Telephone: (31) 71 5653405
Telefax: (31) 71 5655433

Other methods of payment are also accepted. Please call or fax for details.

A list of the latest publications can be accessed via the ESA Publications Division's Home Page at the following Internet/WWW address:

<http://esapub.esrin.esa.it/>

esa publications

Down to Earth

Everyday Uses for European Space Technology

How space technologies have been "spun-off" to us here on Earth: 52 success stories about health, safety, environment, lifestyles and much more.

By P. Brisson and J. Rootes
128 pages / 25 Euro

**BR-175
ORDER THIS
SPECIAL BOOK
NOW!**

Contact: *ESA Publications Division*
c/o ESTEC, PO Box 299, 2200 AG Noordwijk, The Netherlands
Tel. (31) 71 565 3405 - Fax (31) 71 565 5433



ORDER FORM INSIDE BACK COVER

Available from ESA Publications Division

Publication	Number of issues per year	Scope/Contents	Price	Source
Periodicals				
ESA Bulletin	4	ESA's house magazine	Free of charge	ESA Publications Division
Earth Observation Quarterly	4	Remote-sensing newsletter	"	"
Reaching for the Skies	4	Space Transportation System newsletter	"	"
On Station	4	Space Station and Microgravity newsletter	"	"
Preparing for the Future	4	Technology Programme newsletter	"	"
ECSL News	4	News from the European Centre for Space Law (under ESA auspices)	"	"
Monographs				
	Code			
Conference Proceedings	(SP-xxx)	Collections of papers presented at ESA conferences	Prices vary	ESA Publications Division
Special Publications	(SP-xxxx)	Detailed monographs on ESA programmes/projects	"	"
Brochures	(BR-xxx)	Concise summaries on ESA programmes/projects	"	"
Scientific & Technical Reports	(STR-xxx)	Reflecting ESA's position on a given subject	"	"
Scientific & Technical Memoranda	(STM-xxx)	Latest but not finalised thinking on a given subject	"	"
Procedures, Standards & Specifications	(PSS-xxx)	Definitive requirements in support of ESA contracts	"	"
Training Manuals	(TM-xxx)	Series for education of users or potential users of ESA programmes, services or facilities	"	"
Public-relations material		General ESA literature, posters photographs, films, etc.	ESA Communication Dept. 8-10 rue Mario-Nikis 75738 Paris 15, France	

All periodicals are also available via the Internet at:

<http://esapub.esrin.esa.it/>

Public-relations material and other ESA information is available at:

<http://www.esa.int>

Order Form for ESA Publications

No publications sent before receipt of payment in Euros (€).

No. of copies	ESA reference no.	Title	Price per copy/€	Total €
Total amount:				

Mailing Address (please print carefully):

Name _____

Function _____ Organisation _____

Address _____

Post Code _____ Country _____

Date _____ Signature _____

Payment (please tick as appropriate):

Cheque enclosed (made payable to ESA Publications Division)
Return Order Form with cheque to: ESTEC – Finance Division (ADM-FT)
P.O.Box 299 – 2200 AG Noordwijk – The Netherlands

Items ordered are free of charge

Charge to: Eurocard/Mastercard* Visa AmEx

Card No. _____ Expiry date: _____
*Mastercard: include Security Code located on back of card above signature - 3 digits

Card Holder's Name _____

Return Order Form to: The Bookshop (attn. Mr Frits de Zwaan) – ESA Publications Division – ESTEC
P.O.Box 299 – 2200 AG Noordwijk – The Netherlands; Fax: +31 (0)71 565 5433

Telephone orders (and further information): +31 (0)71 565 3405

Information via e-mail: Frits.de.Zwaan@esa.int
Internet – list of the latest publications: <http://esapub.esrin.esa.it/>