



Always Wanted to Fly the Space Shuttle?

An authentic, authoritative guide for would-be pilots and passengers.

Everyone recognizes the enormous technical achievements of the Shuttle, but few people understand how it operates. Now that information gap has been filled by this unique and fascinating paperback.

The Space Shuttle Operator's Manual is written in clear, simple language by experts in the field. It is abundantly illustrated with line drawings, maps, and photographs.

The Manual is divided into six sections:

From Earth to Orbit — step-by-step instructions for launch and ascent, linked to a 4-color gatefold reproduction of the Shuttle's instrument panel, as well as typical radio exchanges between pilot and ground control.

Living in Space — what to wear and how to get dressed, how to eat, sleep, drink and stand, personal hygiene, and gravity.

Working in Space — how to operate each part of the machine (the remote manipulator arm, the space telescope, etc.).

Emergency Procedures — launch aborts, in-flight vehicle plights, and medical and technical emergencies.

Entry and Landing Procedures — preparations for return and a descent checklist.

Space Shuttle missions — listing all of the Shuttle's capabilities, including Satellite Repair, Communications Satellite Deployment, Spacelab, and many more.

And also 40 pages of appendices giving complete structural specifications of the craft and its systems, a glossary of NASA terms and acronyms, and a plan of the Kennedy Space Center.

Science News Book Order Service

1719 N Street N.W.
Washington, D.C. 20036

Please send me _____ copy(ies) at \$22.50 (hardcover)
Please send me _____ copy(ies) at \$9.95 (paperback)
\$1.00 handling charge per book. Make checks payable to Science
News Book Order Dept.

name _____

address _____

city _____ state _____ zip _____

RB149





LAST CHANCE

Telephone today



Collect—Monday-Friday—9-5



202-785-2271

Gift card mailed next day

This Christmas give your friends a window on the world of science. SCIENCE NEWS will give them a greater awareness and understanding of scientific progress, tell them what science is doing & why it is important to them!

This Christmas share **SCIENCE NEWS** with your friends. They will appreciate the opportunity to learn about new scientific developments and discoveries that can affect their lives, their jobs, their future. And in this day of changing social directions, they will especially appreciate the perspective **SCIENCE NEWS** gives to the issues involving science and society.

SCIENCE NEWS is the ideal gift for busy executives, professional people, scientists in search of an overview of all major fields of science, science teachers and students.

Why? Because it is planned for people on the go. It reports key developments clearly, accurately, concisely

—in about an hour's reading time a week. For someone with no more than an hour to spare, **SCIENCE NEWS** is a reliable summary of important news. For the reader with more leisure, it is a guide to subjects worth pursuing in more detail in other scientific journals.

SPECIAL CHRISTMAS SAVINGS!

Your first gift subscription to **SCIENCE NEWS** is \$27.50. Each additional one-year subscription is only \$22.00—and you may include your own renewal or new subscription at this money-saving rate.