COMING in MAY 1997:

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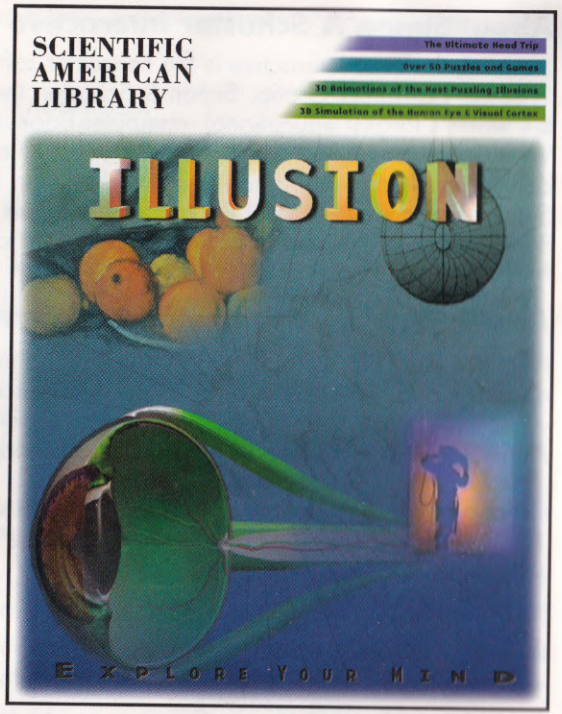

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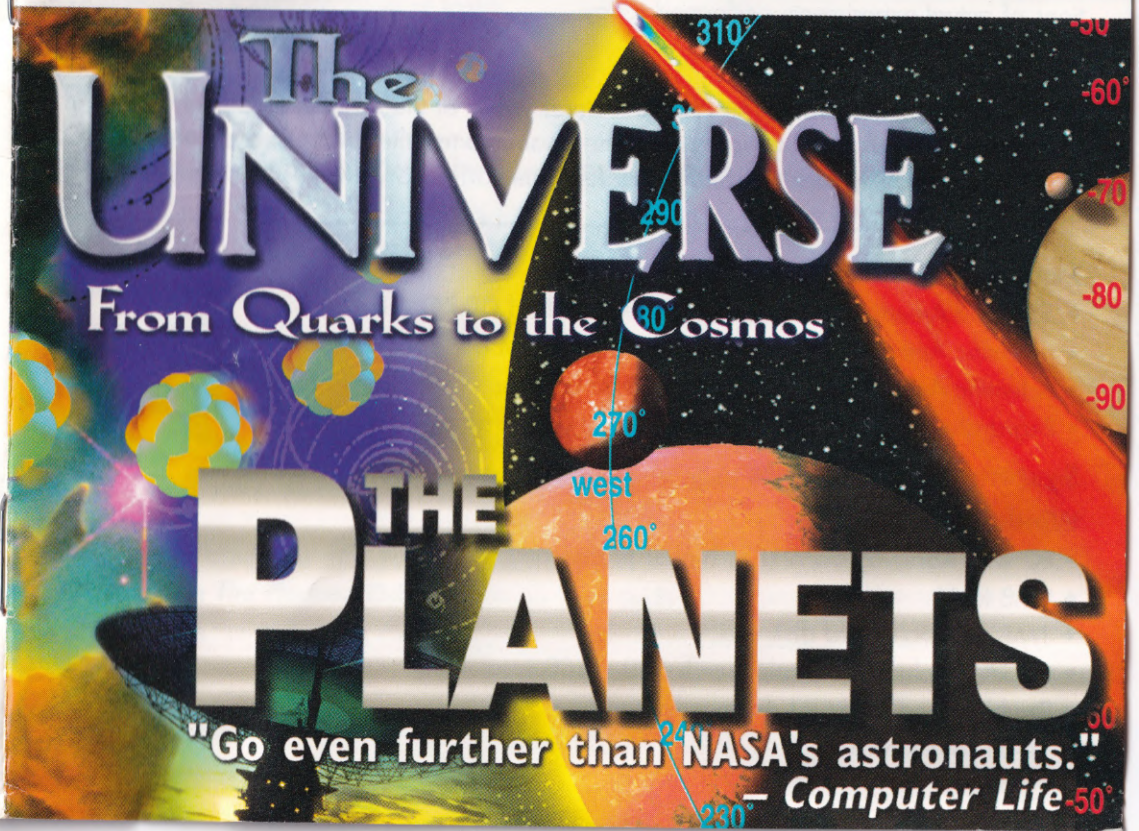
Complete Planetarium

Planet-Building Simulation Game

Voyage from the Atoms to the Stars

Tour of the Solar System and the Universe



SCIENTIFIC AMERICAN LIBRARY

THE UNIVERSE

The Universe takes you on the ultimate tour of the universe with animated views of the cosmos from the tiniest building blocks of matter to the deepest edges of known space and time; personal interviews with 17 leading cosmologists, high-energy physicists, and astronomers; an interactive timeline of breakthroughs in physics; and virtual representations of actual experiments performed today.

THE PLANETS

Scientific American Library: The Planets features flybys of the surfaces of all the planets in the solar system, a planet building simulation game to test the laws of the universe, a 3-D interactive planetary museum, and a desktop planetarium to view the sky at any time from any place on the earth.

Package Contents

- *Scientific American Library: The Universe* Hybrid CD-ROM Disc
- *Scientific American Library: The Planets* CD-ROM Discs for Windows® and Macintosh®
- *Scientific American Library: The Universe* and *The Planets* User's Guide
- Registration Card with License Agreement and Warranty

System Requirements

Windows®

- PC with 486DX2/66MHz or higher processor
- 8MB RAM
- 1MB available hard disk space
- SVGA graphics (256 colors with 640 x 480 resolution)
- Double-speed CD-ROM drive or faster
- 16-bit sound card
- Mouse or compatible pointing device
- Windows® 95

Macintosh®

- Macintosh or Power Macintosh® with a 68040 or faster processor
- 13" or larger color monitor (256 colors with 640 x 480 resolution)
- 8 MB RAM
- Double-speed CD-ROM drive or faster
- System 7.0 or later

Registration Information

To be eligible for free product information and special offers, register by mail with the enclosed card, online at http://www.byronpreiss.com or e-mail us at welcome@bpmc.com.

Installing *The Planets*

Windows 95

1. Insert *The Planets* disc into your CD-ROM drive.
2. Click Start, then select Run from the menu.
3. Type your CD-ROM drive letter and type **:\setup**
   For example, type **d:\setup** if your CD-ROM drive letter is **D**.
4. Click OK and follow the on-screen instructions for installation.

Macintosh

1. Insert *The Planets* disc into your CD-ROM drive.
2. Double-click *The Planets* CD-ROM icon on your desktop.
3. Double-click the *Install The Planets* icon and follow the instructions on screen.

Installing *The Universe*

Windows 95

1. Insert *The Universe* disc into your CD-ROM drive.
2. If Autorun is enabled, the application will start to install automatically.
   If Autorun is disabled:
   (i) Click Start, then select Run from the menu.
   (ii) Type your CD-ROM drive letter and type **:\setup**
   For example, type **d:\setup** if your CD-ROM drive letter is **D**.
   (iii) Click OK and follow the on-screen instructions for installation.

Macintosh

1. Insert *The Universe* disc into your CD-ROM drive.
2. Double-click *The Universe* CD-ROM icon on your desktop.
3. Double-click the *Install The Universe* icon and follow the instructions on screen.

Starting *The Planets*

Please note that *The Planets* disc must be in your CD-ROM drive during use.

Windows 95

1. Click Start, select Programs, then select BPMC.
2. Highlight and click the icon for *The Planets*.

Macintosh

1. Locate *The Planets* folder on your hard drive or other location specified during installation.
2. Double-click *The Planets* folder, then double-click *The Planets* icon.

Exiting *The Planets*

To exit this title, click the square Control button on the lower right corner of each screen, and then click Quit. Click Yes when the Quit dialog box appears.

Starting *The Universe*

Please note that *The Universe* disc must be in your CD-ROM drive during use.

Windows 95

If Autorun is enabled, the application will start automatically.
If Autorun is disabled:

1. Click Start, select Programs, then select BPMC.
2. Highlight and click the icon for *The Universe*.

Macintosh

1. Locate *The Universe* folder on your hard drive or other location specified during installation.
2. Double-click *The Universe* folder, then double-click *The Universe* icon.

Exiting *The Universe*

To exit *The Universe*, do any of the following:

- Roll over the control panel at the bottom of the screen. Click the Quit button on the far left, then click Yes in the dialog box.
- Windows users: Press ALT and F4 on your keyboard.
- Macintosh users: Press COMMAND and the period key on your keyboard.

How to Use *The Planets*

Main Menu

- Click the icons for the Virtual Solar System, the Observatory, the Planetary Traveler, and the Planetary Museum to go to that section of the product.
- Click the general Control button on the lower right corner square above the Index button to access any section, go to help, turn the sound on or off, or quit the title.
- Click the Index button to select the index.

The Solar System Kit

- To make the planets orbit around the sun, click Run. To adjust the orbits of the planets, click Orbit.
- In the Orbit dialog box, select a planet by clicking any one of the planets in the white squares to adjust its orbit.
- Retrograde and Prograde determine the direction of the planet's orbit.
- Show Paths turns off the gold orbital paths in the Solar System Kit.
- In the Planet Kit, adjust the sliders and click Make Planet to create a new planet.
- Click Add to bring the planet into the Solar System Kit.
- The Close button will return you to the Solar System Kit.
- Click any one of the icons in the top row to try to populate your planet.
- Go to the Solar System Kit to make the planet stable enough to support life.
- Adjust the sliders to create a habitable atmosphere.

The Observatory

- Select the location and date of the night sky by clicking the Location button.
- Use the Animate Starmap dialog box to make the planets move across the sky. The planets' speed can be increased in one hour increments. Step advances the planets incrementally.
- The Reference button takes you to Fred Schaaf's *Seeing the Solar System.*
- Zoom changes the percentage of the sky on your screen.
- Time and Date allows you to view the sky at any point in the future or past.
- View lets you center the screen on any of the planets and turn on and off the constellations.

The Planetary Traveler

- Use the arrows located above and below the column of icons to choose a movie.
- Click the Icon to begin the movie.
- The first movie in the right column is an interactive journey over the surface of Venus. While viewing this movie, use the directional controls to navigate your flight.
- All other movies are linear.

The Planetary Museum

- Click Museum Shuttle for a guided tour.
- To view one of the chapters, use the directional controls to enter any of the Galleries and navigate through them.
- Roll over the schematic map on the left to preview topics in the Gallery.
- Click the Gallery window to be taken directly to any panel.

How to Use *The Universe*

Main Menu

The Main Menu offers buttons to reach the five sections of the disc—Scientists, Themes, History, Experiments, and the Cosmoscope zoom. Use the controls at the base of the screen to access other features of the disc:

- Click Quit to exit the program.
- Click Volume to adjust the sound level of your computer.
- Click Help for information on using the program.
- Click Credits to see who contributed to the development of this disc.
- Click Sources for picture credits and a bibliography.
- Click Index for access to specific areas of the disc.
- Click Electronic Text to browse the original text by Lederman and Schramm.
- Click Backtrack to retrace your steps through the disc.

The Cosmoscope

- The numbers across the center of the main menu refer to zoom level in meters.
- Click zoom levels to bring up a view of the universe at that level of zoom.

- By dragging the box or clicking the arrows at either side, the scale of your viewing area increases or decreases.
- When the viewing screen is highlighted with a green outline, click the viewing area to bring up a toolkit for further explanantion.

History

- Scroll through the history of our knowledge of the universe by dragging the scroll box over the years, by clicking a year, or by clicking the arrows at either end.
- Click objects in the timeline for an expanded entry relating to that topic.

Experiments

- Choose a hot spot from the world map.
- Each spot accesses a simulation of experiments actually performed at that location.

Scientists

- The main Scientists screen displays a gallery of some of the leaders in cosmology, high-energy physics, and astronomy, with their names color-coded according to the field they represent.
- Click scientists to find out more about them.
- Click one of the topics at the base of the scientists' screens to hear them discuss that topic.

Themes

- Click a topic to hear the host talk about that particular issue.
- After choosing a topic, clicking the movie initiates a tour of the sections of the disc related to that theme.

World Wide Web

If you have a Web browser, you can connect to *The Planets* Web site by opening PLANETS.HTM in the Web.Res folder on *The Planets* disc or connect to *The Universe* Web site by opening UNIVERSE.HTM in the Web folder on *The Universe* disc.

The Byron Preiss Multimedia Company Web site is at http://www.byronpreiss.com.

Technical Support Services

For help using *The Planets,* click the Control button on the lower right of any screen and click Help or watch the Viewme.avi file on the root directory of the CD-ROM.

For help using *The Universe,* select Help from the main menu. For troubleshooting, view the READ.ME file on *The Universe* CD-ROM.

If you still need assistance, please call our technical support line at 1-970-339-7137, 24 hours-a-day, 7 days-a-week.

Credits

Byron Preiss Multimedia Company, Inc.

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Chief Financial Officer:	James R. Dellomo
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Director of Digital Bauhaus®:	Tim Nolan
Managing Editor:	Michele La Marca
Manager of Online Services:	Chris Colborn
Package Design:	Steven Jablonoski

For *The Planets*

Associate Producer:	Christina Nunez
Assistant Producers:	Julia Rubinic, C.E. Harley
Quality Assurance:	Gina Caroddo
Software Engineering:	David Kahan, Ron Bakerian, Gary Bates, Anthony Cardosi, Mary Meltaus, and Arthur Ginsberg
Planetary Museum animation, interface rendering, and planet flybys:	Delta Imaging
Venus navigable movie:	David Anderson
Astronomy consultants:	Donald Goldsmith, Joseph Patterson

NASA space footage courtesy of the NASA Film/Video Distribution Library

All material in *Seeing the Solar System* (Observatory Reference) originally published in Fred Schaaf's *Seeing the Solar System* by John Wiley and Sons, Inc.

Planetary Museum based on David Morrison's book *Exploring Planetary Worlds* published by Scientific American Library.

For *The Universe*

Producer:	Eric Breitbard
Art Director:	Laura Rodil
Lead Programmer:	David Dungey
Lead Artist and Production Designer:	Shigeru McPherson
Quality Assurance Director:	Alan Wong
Lead Tester:	Douglas Nelson
Assistant Producers:	Robert Davenport and Daniel Unter
Lead Scientific Consultants:	Dr. Craig Copi and Dr. Daniel Kaplan
Production Guru:	Brian Monnin
Creative Direction:	Bill Wentworth
Production Artist:	Josephine Edelmann
Additional Programming:	Craig Wollman
Sound effects and music:	Chris Burke at Bong & Dern
Cosmoscope animation and simulations:	Brian Garrigan
"Experiments" graphics:	Shigeru McPherson and Todd Akita
Additional science writing/consulting:	Dr. Donald Goldsmith, Linda Wasmer Smith, Dr. Steven Kawaler, and Dr. Joerg Colberg
Testers:	Paul Abraham, Jennifer Allen, Shannon Hummel, Richard Kriheli, Hunter Kennedy, Todd Kovner, Sunny Lichtman, Julian Maile, Alicja Phipps, Andres Pletch, Robin Prichard, and Andrew Fong

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About Byron Preiss Multimedia Company

Founded in 1992, Byron Preiss Multimedia Company, Inc., is a public company that develops and publishes a wide range of interactive multimedia software, online services, broadcast content, and books under several imprints. *The Universe* and *The Planets* appear under the Digital Bauhaus® imprint.

Other Byron Preiss Multimedia titles appearing under the Digital Bauhaus imprint are *The Timetables of Technology, AMERICAN HERITAGE®: The Civil War,* and *The Ultimate Einstein.*

Please address any questions regarding this product to:

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