Contents

Introduction. The Wonder of Astronomy
Chapter 1. What Is Astronomy?
Chapter 2. How Big Is the Universe? .8 Some Cosmic Distances .8 Will Astronomers Ever See the Edge of the Universe? .10 Are There Other Universes? .10 How Do Astronomers Know How Far Away the Stars Are? .11 Solar System and Universe Facts .12
Chapter 3. The Origin of the Universe.14When Did God Make Moons and Planets?.15Is the Solar System in the Bible?.15Was There a Big Bang?.16The Importance of the Biblical Record.17Is the Universe Expanding?.17
Chapter 4. Watching the Sky .18 Eclipses of the Sun .19 Eclipses of the Moon .20 Using a Telescope .20
Chapter 5. Why Did God Create the Heavenly Bodies? .22 Calendars .23 Modern Time-Telling .24 What Are Constellations? .24 How Are Constellations Related to Astrology? .25 How Do Astronomers Use the Constellations? .26 Learning More About the Constellations .27
Chapter 6. Space Exploration
Early Rockets 28 The Space Age 29 The First Moon Landing 30 The Modern Space Program 31 Unmanned Missions 32 What Has The Space Program Taught Us? 34 Space Highlights 34
Chapter 7. A Tour of the Solar System 36 The Earth: Not Just Another Planet 36 Why Did God Make Other Planets? 37 The Moon: A Special Satellite 38 The Origin of the Moon 38 How Old Is the Moon? 39 The Sun; a Light-Giver 40 The Sun: Not Just Another Star 40











Where Does the Sun Get Its Heat? How Old Is the Sun? The Nebular Hypothesis: A False Idea Mercury and Venus Mars: Not a Life-Supporting Planet
Mars: Not a Life-Supporting Planet
Jupiter and Saturn
Uranus and Neptune







	How Old Is the Sun?
	The Nebular Hypothesis: A False Idea
	Mercury and Venus44
	Mars: Not a Life-Supporting Planet
	Jupiter and Saturn46
	Uranus and Neptune
	Pluto
,	Phonton O. Ctore and Colonics 50
•	Chapter 8. Stars and Galaxies
	What Are Stars Made Of?
	Stars Are Not All the Same
	Do Black Holes Exist?
	The Closest Galaxies
	Seeing Distant Objects in a Young Universe
	Look-Back Time55
1	Chapter 9. Cosmic Catastrophes
100	Star Death
	The Death of the Sun
	Supernova Remnants
	The Myth of Star Birth
•	Chapter 10. Catastrophes in the Solar System
	What Are Asteroids? Where Did They Come From?
	Did a Planet Really Explode?
	Martian Catastrophes
	The Martian Flood
	What Caused These Catastrophes? When Were They?
	Comets
	The Age of Comets
	Meteor Showers
	Big Meteor Craters
	Did an Asteroid or Meteor Kill the Dinosaurs?
	Big Meteorites
	People Have Seen Big Meteors Land
1	Chapter II. Are There Other Planets in Other Solar Systems? .72
1	Why Do Some Astronomers Believe There Are Other Solar Systems? .73
	Is There Extraterrestrial Life?
	What Is Life?
	What Are UFOs?
-	Endnotes and Credits
	Glossary
	Index

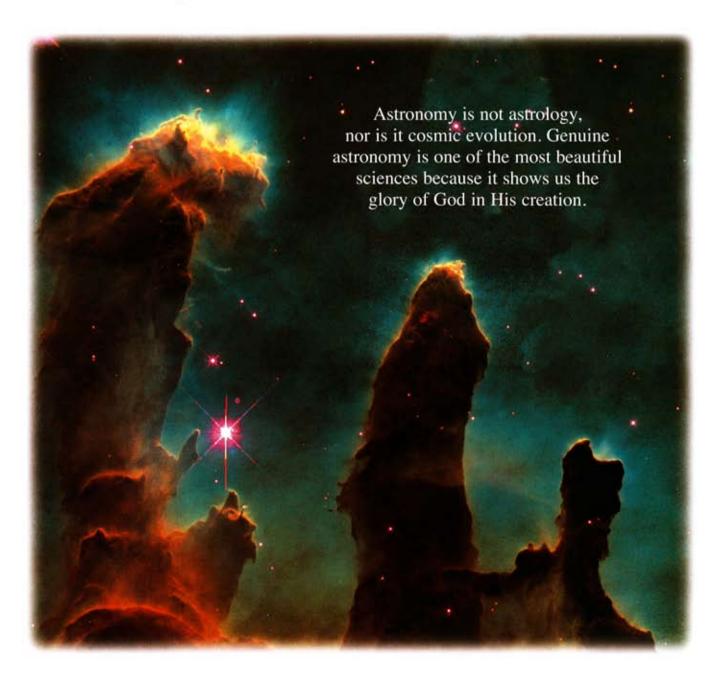
.42

Introduction:

The Wonder of Astronomy

ho has not looked into the heavens on a starry night with a sense of wonder? We see in the night sky the vastness of the universe. We have the feeling that some awesome power is responsible for it. Did you know that God designed us to respond this way?

The Bible in Psalm 19:1 tells us that "the heavens declare the glory of God." God made us in His image so we are able to sense His handiwork in the heavens. This makes astronomy one of the most fascinating sciences. It is also one of the most misunderstood sciences. As we will see, it has been twisted into corrupted forms more than perhaps any other science. Millions of people trust in the satanic perversion of astronomy called "astrology," or the atheistic perversion of astronomy called "cosmic evolution."



Chapter 1 WHAT IS ASTRONOMY?

stronomy is the branch of science dealing with the sun, the moon, the planets, and the stars. The word "astronomy" comes from two

Greek words meaning "knowledge of the

stars." An astronomer is a person who has scientific knowledge about the stars and other heavenly bodies.

Astronomy should not be confused with astrology. Astrology is a false science which comes from ancient paganism. It is the belief that the stars can predict our future and set the course for our lives. The Bible teaches that only God can guide our lives, a truth repeated again and again in verses like Psalm 143:8 and James 4:13–15.

A view of the earth and moon as seen from outer space.

What Do Astronomers Study?

stronomers study the sun, the moon, and the planets and their moons, all of which are considered to make up the solar system. What is the difference between moons and planets? We picture planets orbiting the Sun, and moons orbit planets.

Astronomers also study stars outside the solar system. Stars produce their own light, but planets shine by reflected light. All the objects in the heavens are called "celestial bodies."

The only star in the solar system is the sun. The sun's gravitation holds nine known planets. There may possibly be undiscovered planets beyond the ones we know. Most of the planets have one or more moons which orbit them. The earth has one moon, and at the other extreme some planets have many known moons. Mercury and Venus have no moon.

Aside from the sun, all other stars are far outside the solar system. They are in groups called galaxies, and the galaxies themselves are in larger groups called "galaxy clusters."

Astronomers estimate that the portion of the universe we can see has about 100 billion galaxies, each with an average of about 100 billion stars. The solar system itself is located in the Milky Way Galaxy which has somewhere between 200 and 300 billion stars.





Stars and galaxies of the universe.



ne thing we have in common with the ancients is that all of the human race has gazed at the night sky, and the bright morning, and wondered, "What's out there?" Our universe is so vast and awe-inspiring that to learn about it is to learn about ourselves.



The Astronomy Book will teach you:

- What long-ago astronomers thought about other worlds.
- · Solar system facts.
- · How constellations relate to astrology.
- · The history of space exploration.
- · Black holes do they exist?
- The origin and age of the moon.
- Why Mars doesn't support life.
- The composition of stars, supernova remnants, and the myth of star birth.
- Asteroid legends and the extinction of the dinosaurs.
- Are there planets outside our solar system, and could they be home to intelligent life?
- · What are UFOs?
- The age of comets and meteor showers.

earning about the universe is huge fun! In the almost infinite expanse above us, we can examine planets, galaxies, and phenomena so beautiful and complex that we never outgrow a childlike wonder. We see our own reflection in the moon, the stars, and in comet trails. The more we learn, the less we fear!

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