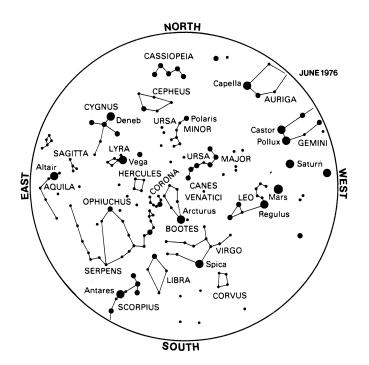
STARS OF JUNE

		051.50711	
CELESTIAL TIME TABLE			
June	2	2:00 am EDT	Moon passes south of Saturn
1		10:00 pm	Moon passes south of Mars
	5	8:20 am	Moon in first quarter
	9	3:00 pm	Moon nearest earth, distance
			225,900 miles
	12	12:15 am	Full moon
	15	5:00 am	Mercury farthest west of sun
İ	17	midnight	Venus behind sun
1	19	9:15 am	Moon in last quarter
	21	2:24 am	Sun farthest north, beginning of summer in northern countries
		1:00 pm	Moon farthest from earth, distance 251,400 miles
	23	7:00 pm	Moon passes Jupiter
	27	10:50 am	New Moon
	29	2:00 pm	Moon passes south of Saturn



BY JAMES STOKLEY

Stars, rather than planets, form the main attraction of the evening sky in June. Only Saturn, equal in brilliance to a bright first-magnitude star, is easily visible. It's low in the west at the beginning of the month as twilight ends. A little higher and farther south stands Mars.

Overhead you'll see the constellation Boötes with Arcturus, which is one of the brightest stars in the night sky. Sirius, prominent in winter evenings and brightest of all, is followed by two others (Canopus and Rigil Kentaurus) which are too far south to be visible from most of the United States. And then comes Arcturus.

Almost as bright is Vega which shines in Lyra toward the east. Sometimes, in fact, it is rated ahead of Arcturus but according to recent authorities, Vega appears about 10 percent fainter. However, it is 10 light years closer than Arcturus which is 36 light years distant. In actual luminosity, Arcturus is about twice as bright as Vega.

An interesting display may be observed on June 23 and 24 when the crescent moon passes Jupiter as it moves toward the sun. On the 23rd the moon will be just above the planet, as seen from the United States. Later that day, at about 7 p.m., EDT, when both are

below our horizon, the moon will pass in front of Jupiter. This event, called an occultation, will be visible in southeastern Asia as well as from the Pacific Ocean. When they appear in America on the 24th, the moon will be underneath Jupiter.

On June 24, at 2:24 a.m., EDT, the sun will be farthest north in its annual circuit of the sky. It will then be standing directly over the Tropic of Cancer at a point in Yunnan Province of southern China. This is the solstice, which marks the beginning of summer in the northern hemisphere. The 21st will be the longest day of the year, Dec. 21 the shortest.



BOOKS is an editorial service for readers' information. To order any book listed or any U.S. book in print please remit retail price, plus 25¢ handling charge for each book to **BOOK ORDER SERVICE**, Science News, 1719 N Street, N.W., Washington, D.C. 20036. All books sent postpaid.

FOR YOUNGER READERS

THE AMATEUR ZOOLOGIST'S GUIDE TO THE AMATEUR ZOOLOGIST'S GUIDE TO TURTLES AND CROCODILIANS—Robert T. Zappalorti—Stackpole, 1976, 208 p., color plates, b&w photographs, \$12.95. A professional introduction to the identification, behavior, characteristics and ecology of alligators calmans crocodiles and a wide variety. tors, caimans, crocodiles, and a wide variety of species of turtles.

CAREERS IN THE EARTH SCIENCES-Reed Millard et al-Messner, 1975, 192 p., plates, \$6.95. Describes the professional aspects of exploring the earth, sea and air, and the careers in such related fields as geochemistry, marine and soil sciences, meteorology and engineering.

THE CONTINENTAL SHELVES-John F. Waters—Abelard-Schuman, 1975, 152 p., photographs, map, \$5.95. Describes the formation of the continental shelves, their marine life and other resources, and discusses present and potential uses.

DEATH VALLEY—George Laycock—Four Winds, 1976, 124 p., photographs, map, \$6.95. Traces the history of Death Valley and discusses the minerals, plants and animals to be found there.

THE GLOBAL FOOD SHORTAGE: Food Scarcity on Our Planet and What We Can Do About It-Lila Perl-Morrow, 1976, 128 p. photographs, \$5.95. Examines the causes and results of food shortages, the connection with the energy crisis, the effects in developed and underdeveloped countries.

HOW PARASITES LIVE—Philip and Margaret Goldstein—Holiday, 1976, 190 p., photographs, drawings, \$6.95. Tells about the fascinating mechanisms of protozoa, fungi, worms, plants, insects, fish and crustaceans

to get food and protection by attaching themselves to a host organism.

IT'S GOING TO STING ME!—Ronald Rood—S&S, 1976, illus. by Carrye E. Schenk, \$7.95. A lot of information in highly readable form about insects, plants, toads, mammals and other creatures that might disturb the camper's peace of mind.

JUPITER: The Largest Planet—Isaac Asimov—Lothrop, 1976, rev. ed., 224 p., photographs, tables, \$6.95. Updated, comprehensive study of Jupiter in comparison with the other planets, its distance, size, satellites, atmosphere, composition and the Great Red

KANGAROOS, OPOSSUMS AND OTHER MARSUPIALS—Marie M. Jenkins—Holiday, 1975, 160 p., drawings by Matthew Kalmenoff \$6.95. Discusses the evolution and special features of a wide variety of marsupials.

MISPLACED ANIMALS AND OTHER LIV-ING CREATURES—Alice L. Hopf—McGraw, 1976, 140 p., photographs, drawings, \$5.95. Explores the ways in which man and nature have used water, wind and weather to spread plants and animals around the world.

334 SCIENCE NEWS, VOL. 109