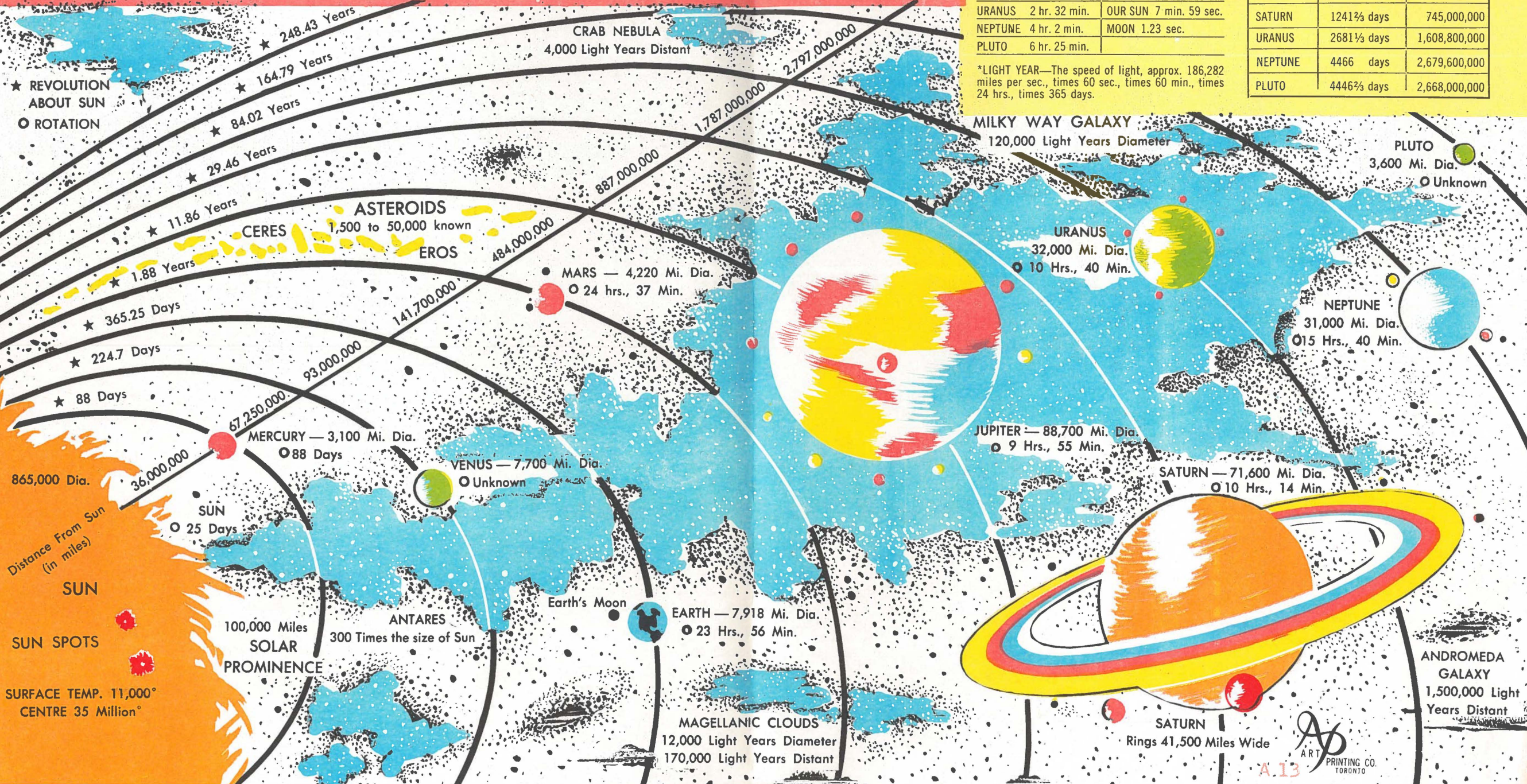


OUTER SPACE



DISTANCE CHART RADAR AND RADIO COMMUNICATIONS

Light, Electricity and Radar Waves travel at 186,282 miles per second. This graph indicates the time it takes from earth for these waves to reach points shown.

PLANETS	TIME LAPSE	GALAXIES	TIME LAPSE
MERCURY	4¼ min.	ANDROMEDA	
VENUS	2 min. 18 sec.	1,500,000 lgt. yrs.*	
MARS	4 min. 21 sec.	ALPHA CENTURI	
JUPITER	35 min. 11sec.	4 yrs. 7 mon. 7 days	
SATURN	1hr. 11 sec.		
URANUS	2 hr. 32 min.	OUR SUN	7 min. 59 sec.
NEPTUNE	4 hr. 2 min.	MOON	1.23 sec.
PLUTO	6 hr. 25 min.		

*LIGHT YEAR—The speed of light, approx. 186,282 miles per sec., times 60 sec., times 60 min., times 24 hrs., times 365 days.

SPACE SHIP TIME SCHEDULE

Leaving Earth for	Speed 25,000 m.p.h. Arrive	Min. Distance from Earth (in miles)
MOON	8-4/5 hrs.	221,463
VENUS	43½ days	26,000,000
MARS	57½ days	34,600,000
MERCURY	83½ days	50,000,000
JUPITER	611½ days	367,000,000
SATURN	1241½ days	745,000,000
URANUS	2681½ days	1,608,800,000
NEPTUNE	4466 days	2,679,600,000
PLUTO	4446½ days	2,668,000,000