 Spaceship Earth is flying directly away from the 3rdmag. star Delta Capricorn Capricornus, the Sea-goa in south as twilight ends. During last four months, our fast-moving planet overtook all five outer planets, Jupiter and Saturn in July, Neptune in September, Mars and Uranus in October, each in as we passed between Sun and planet. Now in Novemb 2020, we are looking behind our planet at an impressive lineup of all the outer planets across the evening sky. Let's consider the bright planets in order from west to
east. In Sagittarius, east of the east. In Sagittarius, east of the
Teapot, Jupiter, at mag. -2.2 to -2.0 , is now the brightest "star" in the evening sky. Look for it in SSW to SW an hour after sunset, lower as month progresses. Just $5.2^{\circ}$ to $2.3^{\circ}$ to its upper left is Saturn, at mag. +0.6 about one-tenth as bright. Illustrations for Nov. 2, 13, 23, Dec. 3, 12,21 show Jupite to Saturn each ten days. A spectacular close conjunction will occur on December 21. These largest planets - Jupiter with cloud belts and four bright satellites, and Saturn with rings, are always pleasing for telescopic viewing. mag. - 2.1 to -1.1 this month as we race away. An hour after sunset, the red planet climbs higher in ESE as month progresses, but remains near Delta and Epsilon in Pisces, a pair of matched 4th-mag stars $3.5^{\circ}$ apart. Ending retrograde on the 13th, Mars doesn't binoculars and finder chart for Nov. 13, start at head of Cetus, then star-hop using fainter stars of Aries as steppingstones to 5.7 -mag. Uranus. In morning sky, Regulus, heart of Leo, lies dead ahead of Spaceship Earth on Nov. 21 This month, we're seeing the and Venus, racing ahead of us. In a favorable apparition lasting nearly all month, Mercury stays $13^{\circ}$ lower left of Venus Nov. 10-18. Mercury approaches within $4^{\circ} \mathrm{E}$ of Spica in a quasi-conjunction on Nov. 2. Venus passes $4^{\circ} \mathrm{N}$
the same star on Nov. 16.
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