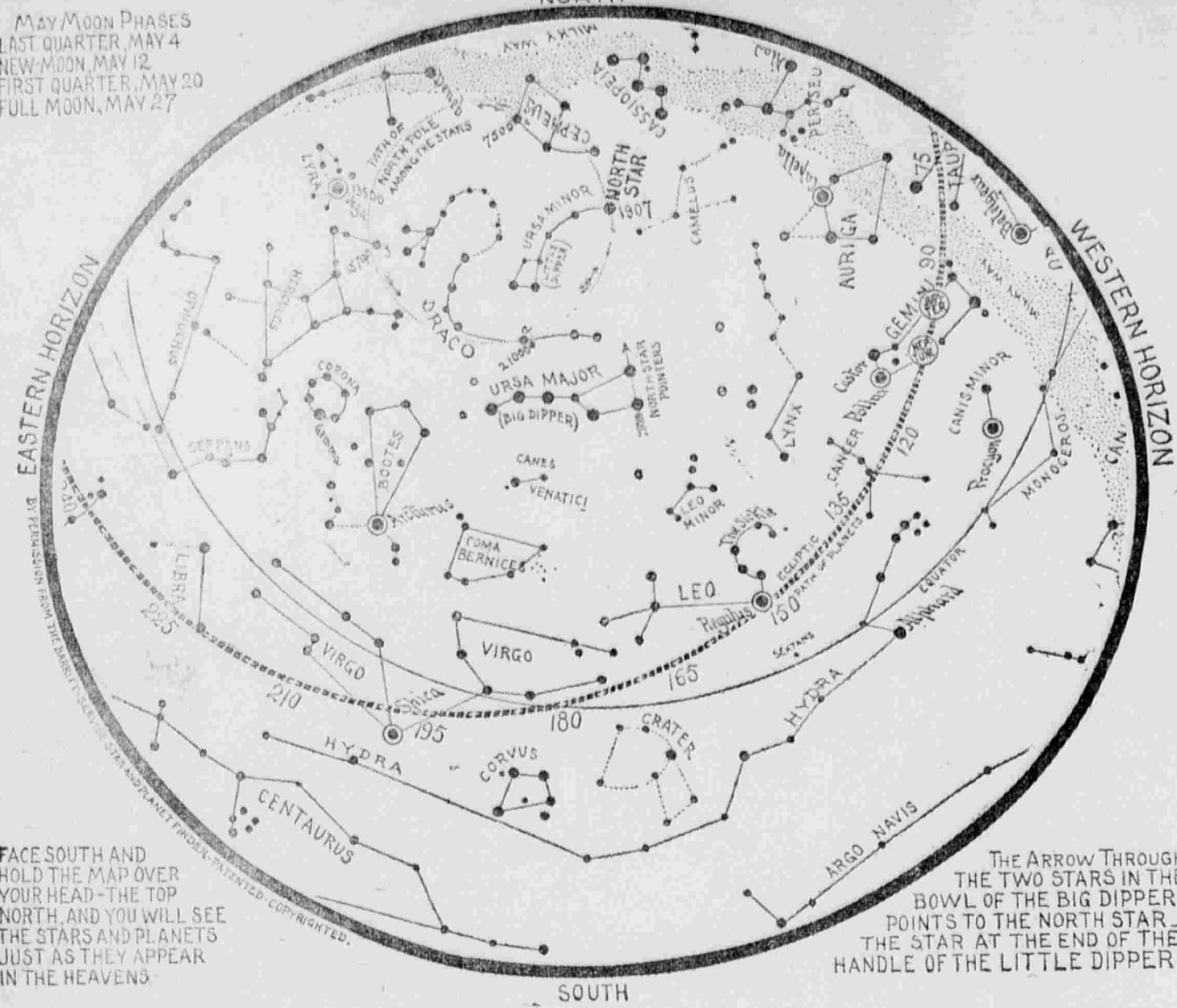


EVENING SKY MAP FOR MAY

MAY MOON PHASES
LAST QUARTER, MAY 4
NEW MOON, MAY 12
FIRST QUARTER, MAY 20
FULL MOON, MAY 27



FACE SOUTH AND HOLD THE MAP OVER YOUR HEAD-THE TOP NORTH, AND YOU WILL SEE THE STARS AND PLANETS JUST AS THEY APPEAR IN THE HEAVENS.

THE ARROW THROUGH THE TWO STARS IN THE BOWL OF THE BIG DIPPER POINTS TO THE NORTH STAR, THE STAR AT THE END OF THE HANDLE OF THE LITTLE DIPPER.

(Copyrighted by Leon Barritt, 1907.)

THE chart shows the aspect of the heavens at 9 o'clock at the beginning of May, at 8 o'clock in the middle and at 7 o'clock at the close of the month. Intermediate hours and dates are easily allowed for by the reader simply remembering that in one hour the face of the sky revolves 15 deg. toward the west. The distance 15 deg. can be measured on the chart by the aid of the figures distributed along the ecliptic. For instance the star Regulus is near a point 150 deg. on the ecliptic. In one hour this point will have reached the place now occupied by the figures 135. So the star Spica is seen in the chart near the point 185 deg. on the ecliptic, but in one hour Spica will be at the place now occupied by the figures 180. Do not forget that the entire ecliptic shifts westward with the face of the sky, so that the figures indicating the degrees on the ecliptic always maintain the same relative positions with respect to one another and the stars near them.

In this chart a new feature has been introduced—the circular path of the north pole of the heavens among the stars. At present the star Polaris at the end of the handle of the Little Dipper, is the pole star, being out about a degree and a quarter from the true pole. This star has served to mark the north point for centuries, and will continue so to serve for centuries to come. Yet, owing to the procession of the equinoxes, the position of the real pole is continually, though slowly, changing, following the circle around the pole of the ecliptic, which lies in the constellation Draco. It takes the north pole about 25,000 years to complete its great circle, which has a radius of 23 1/2 degrees. About the year 5500 A. D. the star Alpha in Cepheus will be the north star, about 13,500 A. D. the brilliantly beautiful star Vega in Lyra will hold that position; and about the year 21000 A. D. the star Alpha in Draco will again be the north star. It is some 4,700 years ago, when the great pyramid in Egypt was constructed with its strange telescope-like tube, or passage, pointing to that star.

Jupiter is the only planet visible at the hours for which the chart is drawn. Neptune, which is in the same constellation, Gemini, being too faint for the naked eye. Jupiter, with his huge striped globe, 86,000 miles in diameter, and his four principal attendant moons, is always a fascinating object for the observer with a telescope. On May 16 Jupiter and the moon will be near together.

Mars, in Sagittarius, rises about 11 p. m. in the middle of the month. His reddish color and growing brightness begin to attract the eye. He is preparing for his great appearance in opposition to the sun early in July, when he will be the cynosure of all who turn their eyes to the heavens. With the aid of a "planet finder" his progress can be easily traced. The other planets are all grouped in the morning sky.

THE STARS AND CONSTELLATIONS.

Orion has now sunk beneath the western horizon, carrying with him all his brilliant, except Betelgeuse which, on a clear evening, may be seen glittering with a ruddy ray just on the verge of the horizon. Procyon in Canis Minor, is low in the west, and Capella in Auriga low in the northwest. The imperial Sirius has disappeared until next winter, and during the summer he will ride with the chariot of the sun. The Dog days get their name from the fact that in the hottest days of summer Sirius, the "Dog star," blends his piercing rays with those of the god of day. Although, of course, he does not really lend any effective aid to the radiation of the sun. The Milky Way now lies like a faint bank of luminous clouds along the horizon from the west and the north.

Regulus and the Sickle of Leo have passed the meridian and are well to the west of it. The Great Dipper, with its head in the north, its bowl being turned downward toward the north star, and its handle stretching eastward. Continue with the eye the curve of the Dipper's handle toward the southeast, and at a distance about equal to the entire length of the great Dipper the eye will be led to the brilliant Arcturus, in the constellation Boötes, which the imagination of the ancients represented under the figure of a giant with uplifted hand carrying the leath of a pair of dogs (Cains Venatici) and chasing the great bear Ursa Major in an endless circuit round the pole. Arcturus, which shows a reddish tint, particularly when near the horizon, is a sun of enormous magnitude, some estimates making it equal in illuminating power to 6,000 such suns as ours. The reason why it appears only as a star to our eyes is, of course, because of its enormous distance, amounting to 200,000,000 miles! Arcturus is the brightest star north of the equator.

West of Arcturus will be seen the little constellation of Coma Berenices, some of whose minute stars are so crowded as to form a kind of hazy-looking spot. Nobody should fail to look at this with an opera glass. About as far northeast of Arcturus as Coma is west of it, glitters the beautiful Corona, or Northern Crown, whose principal stars make almost a complete circle, with their brightest member in the center of what may be regarded as the front of the crown.

West of Corona and Lyra lies the constellation Hercules, easily recognized by a somewhat irregular quadrangle marked out by four stars near the center of the constellation. Between the two stars forming the western side of this figure, and about one-third of the way from the northern toward the southern stars, is situated the great star cluster of Hercules. It is invisible to the naked eye, but may be seen as a faint speck with a good opera glass, while in a powerful telescope it is an object of marvelous splendor. It consists of many thousands of minute stars closely packed together so that in the center they

run into an indistinguishable blaze of intermingled rays. Next to one in the southern hemisphere, in the constellation Centaurus, this is the richest star cluster known.

A very beautiful double star may be pointed out for those who have telescopes. It is the star Epsilon in Boötes. It may be recognized in the chart as the first star above Arcturus on the east side of the kite-shaped figure which has Arcturus at its lower point. A magnifying power of about 100 diameters should be employed. The components of the double are of the second and sixth magnitudes, respectively, their distance apart is less than three seconds of arc, and their colors are most beautifully contrasted, the larger star being yellow and the smaller brilliantly blue, or blue-green.

Muddy has lifted the public to thinking. The wonderful success that has met Ballard's Horsebound Syrup in its crusade on Coughs, Influenza, Bronchitis and all Pulmonary troubles—has started the public thinking of this wonderful preparation. They are all using it. Join the procession and down with sickness. Price 25c. Sold by Z. C. M. I. Drug Dept., 112 and 114 South Main St. B.

scope of three or four inches' aperture will separate each of the two into more. The sight is very attractive when a strong telescope is employed. The famous Ring Nebula is also in the constellation Lyra, not far from Vega, but it is solely a telescopic object, and those who wish to observe it should consult a work like the "Pleasures of the Telescope." As already remarked the star Vega will be the North Polar star in some 13,000 years. It is almost in a direct line toward this great star that the solar system is flying through space at the rate of 12 or 15 miles per second.

Between Corona and Lyra lies the constellation Hercules, easily recognized by a somewhat irregular quadrangle marked out by four stars near the center of the constellation. Between the two stars forming the western side of this figure, and about one-third of the way from the northern toward the southern stars, is situated the great star cluster of Hercules. It is invisible to the naked eye, but may be seen as a faint speck with a good opera glass, while in a powerful telescope it is an object of marvelous splendor. It consists of many thousands of minute stars closely packed together so that in the center they

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GOLDEN WEDDING OF THE DUKE BROTHERS.



Special Correspondence.

Heber City, May 1.—The above picture represents John and Robert S. Duke, brothers, and their wives, sisters, and whose maiden names were Anna R. and Martha V. Young. The two couples were married fifty years ago, and the double golden wedding was recently celebrated, children, grandchildren, and other relatives and friends participating in the event.

Robert S. Duke and Anna R. Young crossed the plains in 1850 with Captain Bennett's company. The Dukes went to Provo City in the spring of 1851, and moved to Provo valley in the spring of 1850. John and Robert were both in the Tintic, Walker and Black Hawk Indian wars, and assisted in building roads, schoolhouses, etc., in the new place they had chosen to make their home.

The Duke brothers were volunteers in what is known as the Echo canyon war. John went with the Pony Express company in 1857 to Fort Leavenworth. At Sweetwater they were surrounded by a band of Crow Indians, a corral was made of the wagons with about 60 extra horses in the center. A guard of 20 men was put at the opening until peace was finally made with the Indians by giving them about 200 pounds of flour baked into bread.

When they arrived at the Platte river, they were again surrounded by the Cheyenne Indians and the same means of making peace was taken. John went the same fall to Fort Bridger to meet the handcart company.

Robert S. carried a plow on his back from Provo to Heber, a distance of 26 miles, on account of the road being washed away in Provo canyon. He went to the Missouri river in 1865 after emigrants. He performed a mission to Pennsylvania in 1884, and on his return was ordained a bishop, which position he held until the reorganization of the stake in February, 1901, when he was ordained a patriarch.

The Duke brothers both were presidents of seventy in the Twentieth quorum. John also labored in the bishopric of the West ward in Heber 11 years, when he was released and ordained a patriarch. Uncle Johnny and Uncle Robert, as they are called by their

friends, have been always servants to the people and have gone all over the stake day and night for years administering to the sick and afflicted.

Anna R. Young was born at Putnam county, Tenn., July 12, 1818, and Martha was born at the same place Feb. 8, 1842, and both moved to Nauvoo in 1842. They both remember the prophet and his brother and the martyrdom. The Young family was on the steamboat Saluda that blew up at Lexington, Mo., when it is said about a hundred lives were lost. They were the only family that got off alive and with no limbs broken. They crossed the plains in 1852, and when only 100 miles on their way their father, Adolphus, died at Wood River from cholera. Frances G., the older sister, and Anna R. drove the team—three yoke of oxen—the balance of the way across the plains.

The widow with her family settled at Cottonwood, where they remained until 1856, when they moved to Provo, when the two sisters, Anna R. and Martha V. married, as above stated, and assisted in pioneering Provo valley, shearing their own sheep, carding the wool, spinning with the old time wheel and making their own cloth.

Anna R. was stake president of the Y. L. M. I. A. for 18 years, and has been stake Relief society president for eight years, which position she now holds.

Aunt Martha Duke, as she is known to her friends, has been a silent messenger of peace, especially among the sick, and will be remembered by scores of people for her many acts of kindness when they were in trouble. The Duke families are respected by all who know them, and they will leave a name in the annals of the history of Wasatch stake that will never die.

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his colleagues concluded it might be dangerous to oppose him, and hence he was let down easily. He has taken proceedings against his detractors, but it is doubtful whether the case will ever be allowed to come to trial.

PICTURESQUE TURN.
It remains for woman, however, to give the most picturesque turn to the affair. And a very handsome woman, too, with an interesting career. The Baroness Rosa Schoenburger was formerly a courtesan in a city where she attracted the admiring attention of numerous patrons. Later she went on the stage and became a regular professional beauty. Then she married an ex-Hungarian army officer, Baron Schoenburger, but merely to obtain his name and title, and the couple separated soon after the ceremony. She has since been a member of the society of Buda Pesth where she met Polony, who thought she might be useful as a political spy. The present Hungarian cabinet, although that party had swept the country at the polls, had refused to accept office and endless negotiations were going on to find a way to get them to do so. It was this work the baroness was said to have been engaged, and for her services Polony agreed to pay her \$5,000 kronen, or \$10,000.

COUNT'S FRIENDSHIP.
According to the best reports the baroness obtained the friendship of Count Paar, the old and trusted aide-de-camp and constant companion of the emperor, and pumped him as to what his majesty really thought about the situation in Hungary. She later appeared that her friend was not Count Paar, but an even higher personage who was also in daily contact with the baroness. This was Prince Rudolph Liechtenstein, the first court chamberlain and one of the most agreeable and popular aristocrats in the whole country. The baroness claims that it was through her agency and the information she obtained from the Polony crowd, that the way was prepared for the cabinet assuming the reins of power.

And that after she acquiesces Polony of having broken his promise to reward her services and in addition says that he treated her with absolute brutality and even personal violence. Knowing that she had some very compromising letters in her possession he did everything possible to obtain them, starting for her one day to come to the suburbs, he demanded the documents and when she answered that they were in her apartment he called her there, she says, and after having her down on a sofa handed her so roughly in attempting to search her, that her dress was torn in places and she left the emperor's bureau in a most pitiable condition.

so far, no such disclosure has come from Prince Liechtenstein, whose friends and relatives are much concerned at his share in the business. The prince has been very ill indeed during the past few weeks, and has practically laid down the duties of his high position.

Meanwhile the baroness is keeping herself before the public through the well advertised attempt to poison herself. The Buda Pesth cabinet, however, have decided that they don't want her presence in the country any longer and the chief of police sent her a peremptory order to get over the frontier as quickly as possible. And so the baroness left the Hungarian capital for Vienna, but it is probable that she will not be much more welcome here, and her departure may be looked for at any moment. She has been a regular visitor in the newspaper offices, chiefly because she wished to give the editors ocular demonstration that the reports that she was no longer pretty and attractive were false and circulated by her enemies.

The whole story is regarded as throwing a very unpleasant light upon the inner political conditions in Hungary and it has certainly done much to weaken the moral force of the cabinet in their dealings with the Vienna cabinet at the present critical moment.

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