

Weekly Calendar Of Feast Days

(By N. C. W. C. News Service) Sunday, Sept. 10. - St. Nicholas of Tolentino, born in answer to the prayers of a holy mother and promised before his birth to the service of God, never lost his baptismal innocence. His austerities were conspicuous even in the austere Order—the Hermits of St. Augustine—to which he belonged. It is said of him that often after he had celebrated Mass it was revealed to him that the souls for whom he had offered the Holy Sacrifice had been admitted to the presence of God. He died September 10, 1810. Monday, Sept. 11. - St. Paphnutius, Bishop, was an Egyptian who, after having spent several years in the desert under the direction of St. Antony, was made Bishop of Upper Thebais. He lost his right eye in the persecutions under Maximin Daia. At the Council of Nice his advice was greatly sought after and he was often called into private conference with Constantine the Great. He also took part in the Council of Tyre and strenuously combated the Arian heresy. Tuesday, Sept. 12. - St. Guy of Anderlecht, left his humble home in Brussels to seek greater poverty and closer union with God. About the year 1033, foreseeing that his end was near, he returned to Anderlecht in his own country. As he died, a light shone round his head and a voice was heard proclaiming his eternal reward. Wednesday, Sept. 13. - St. Eulogius, patriarch of Alexandria, was a Syrian by birth and while quite young embraced the monastic life in that country. He remained steadfast in the Faith during the confusion of the Eutychian heresy. Later he was called from his solitude by the Patriarch, St. Anastasius and made a priest at Antioch. Upon the death of John, Patriarch of Alexandria, St. Eulogius was chosen his successor about the year 583. He was a close friend of St. Gregory the Great and several letters written by the latter to St. Eulogius are still extant. He died in 606. Thursday, Sept. 13. - The Exaltation of the Holy Cross of Our Lord Jesus Christ. Constantine was still wavering between Christianity and idolatry when a luminous cross appeared to him in the heavens, bearing the inscription, "In this sign shalt thou conquer." He became a Christian and triumphed over his enemies. A few years later, his saintly mother having found the Cross upon which Our Savior suffered the feast of the "Exaltation" was established in the Church. Later, however, after the Emperor Heraclius had recovered this precious relic from Croesus King of Persia into whose hands it had fallen, the feast of the "Finding" was instituted in memory of the discovery by St. Helena and that of the "Exaltation" was reserved to celebrate the recovery by Heraclius. Friday, Sept. 15. - St. Catherine of Genoa, was the daughter of noble and wealthy parents and was extremely beautiful. At sixteen years of age she found herself promised in marriage to a young nobleman of dissolute habits who treated her with such harshness that after five years she somewhat relaxed the strictness of her life and entered into the worldly society of Genoa. At length enlightened by divine grace she was to the danger of her state, she broke with the world and gave herself up to a life of rigorous penance and prayer. A long and grievous malady during the last years of her life only served to perfect her union with God. She died in 1510. Saturday, Sept. 16. - St. Cyprian, Bishop and Martyr, was an African of noble birth but of evil life, a pagan and a teacher of rhetoric. In middle life he was converted to Christianity and shortly after his baptism was ordained a priest and soon thereafter made Bishop of Carthage. Driven from the city during the persecution under Decius, he was later recalled and sentenced to death. He was beheaded in 258 and buried with great solemnity. September 9, at 8:30 o'clock from the home, No. 14 Burlington avenue, and at 9 o'clock from St. Monica's Church. Funeral of Mary Theresa Fogarty. The funeral of Mary Theresa Fogarty, wife of Michael J. Fogarty, was held at 8:45 o'clock on Monday morning from the home of her daughter, Mrs. J. Driver, No. 60 Fillmore street, and from St. Augustine's Church at 9 o'clock. Solemn requiem high mass was celebrated by Rev. John F. O'Brien, Rev. Edward M. Lyons acting as deacon and Rev. John McMahon as subdeacon. Members of the Third Order of St. Francis, sisters from the Order of St. Joseph and Sisters of Charity attended the service at the church, as well as a delegation from Leoto Council, Improved Order of Red Men, and from Maplewood Circle, Daughters of the Foresters of America. The bearers were Thomas Fogarty, J. Fogarty, Patrick Dwyer, D. Cennolly, John Condron and M. Houlihan. Burial was in the family lot at Holy Sepulchre cemetery. Rev. John Hogan gave the last blessings at the grave. Mrs. Fogarty is survived by two sons, John and Christopher Farrell; one daughter, Mrs. J. J. Driver and one brother, Christopher Condron. Deaths Of The Week Ernst—Suddenly, Sunday afternoon, September 3, 1922, William G. Ernst, aged 25 years, son of Mr. and Mrs. George L. Ernst, of No. 74 Vermont street. Deceased was a member of the Knights of Columbus, Rochester Council, No. 178; the C. Y. M. A. of St. Joseph's Church; also a member of St. Joseph's Church choir. The funeral took place Wednesday morning, at 8:30 o'clock from the home and 9 o'clock at St. Joseph's church. Interment in the family lot in Holy Sepulchre cemetery. Frey—Henry Frey, aged 63 years, died at his home, No. 115 Flower City Park, Saturday afternoon, September 2. The funeral was held from the home Tuesday morning, September 5th, at 9:30 o'clock and 10 o'clock from the Sacred Heart Church. Interment was made in the family lot at Holy Sepulchre cemetery. Zwierline—Caroline Zwierline passed away Tuesday morning, September 5th, at the residence of Mrs. L. F. Seuffert, No. 1195 St. Paul street. The funeral took place Friday morning, at 8:30 and at 9 o'clock from St. Joseph's Church. Burial in Holy Sepulchre cemetery. Connell—Mrs. Julia A. Connell died Thursday night at the home of her daughter, Mrs. Vincent Heberling, No. 14 Burlington avenue. She leaves her husband, John W. Connell; a daughter, Mrs. Vincent Heberling; two sisters and two daughters. The funeral will be held Saturday morning,

SEEING POWER OF INSECTS

Interesting Data Collected in Connection With Studies in Comparison With the Human Eye. Very curious data have been collected in regard to the seeing powers of insects. The human eye in perfect condition is able to see objects separately that are only one minute of arc apart. Put two objects, as for instance, two black circles, on a white ground just one inch apart and then place them at a distance of about 2200 feet. As seen with the naked eye the apparent space between the circles will be a minute of arc. This space is plainly the limit of detail visible to the unaided human eye. Now it might be supposed that an insect, having a compound eye, would be able to see more detail than we do; in other words, could separate small objects closer together. As a matter of fact, owing to the small aperture of the lenses composing the facets of the eye, and the spacing between the facets, insects see less detail than we do. It has been calculated that a dragonfly cannot see separately two objects that are placed less than one degree apart. In other words, to such an insect two silver coins lying on a table three inches apart, and viewed from a distance exceeding 14 1/2 feet, would appear as a single object. Bees and flies, according to the same investigator, are still more limited in their ability to see the details of objects presented to their eyes. A fly could see the two silver coins above described separately only at a distance not exceeding about seven feet. It has been remarked as a consequence of this that we can see the details on the antennae of a fly at a distance of two feet or more better than the fly itself can, though they are but the fraction of an inch from its eyes. Washington Star.

IMMENSE ROOKERY IN LAKE

Birds Find Sanctuary on Island on Which Hunters Are Forbidden to Set Foot. Set in the middle of Great Salt Lake is Hat Island, 12 acres in area, one of the most densely populated rookeries in the world. Its official name is due to its shape, but it is more familiarly known to westerners as Bird Island. Seagulls and pelicans live there. The island is literally covered with them, and since hunters are not permitted to disturb the fowls, visitors experience no difficulty in walking about among them and observing their habits. The birds have established their roosts among the rocky formations of the island, which is surrounded by salt water more dense than that of the ocean. The highest point is about 100 feet above the surface of the lake. The strangest sight on the island is the flock of young pelicans. They walk about like a drove of sheep. One acts as leader and the rest follow. Large bodied, clumsy birds they are, scarcely able to waddle out of the way when one approaches. As evening approaches one may look out over the lake, far to the north-east, and see a cloud of tiny specks. It is the adult pelicans returning home from the mouth of the Jordan river, or from the Great Bear river, 50 to 70 miles away. They are laden with fish for their young ones. The pouches under their beaks are filled with fresh water fish.

CURED MONARCH OF AVARICE

Power of Turning Everything He Touched into Gold Quickly Patented on King Midas. It was because King Midas helped a drunken companion of Bacchus to get up that he received the power of turning everything into gold at his touch. Bacchus had offered to grant Midas anything he asked, and the king wished this unpleasant power upon himself, according to Ovid. Midas enjoyed himself immensely at first, turning twigs, apples, stones and clods of earth into gold. But the trouble began as soon as he sat down to eat. The bread he touched turned to gold and defied his teeth. The wine flowed down his throat as liquid gold. According to an embellished version of the myth, the crowning misfortune wrought by Midas' curse in blessing his guile was when, in the act of caressing his little daughter, he turned the child into a golden statue. Bacchus had been aware that the gift was anything but desirable, so, believing Midas cured of avarice, he sent the king to wash away the power in the fountainhead of the River Pactolus. As a result of his bath, the sands of that river remain golden to this day.

Peculiar Deep-Sea Fish

The Aristeus, a deep-sea prawn, has a method of lighting that gives the appearance of a multitude of smoke rings. When excited by the nearness of an enemy, the prawn ejects respiratory water in tiny squirts and into this stream and Luciferin is forced from countless glands opening into the stream by fine ducts. As the chemicals combine, puffy clouds of luminous particles float in the sea. This is the "smoke screen" provided by nature. The species of luminous fish, called "Photoblepharon," has a dimmer system in an inside chamber and burns continuously. When the fish wishes to shut off the light, he coughs a black pigment curtain to slide down over the light cell's opening like an eyelid. The light organ preserves its luminous quality even when removed and is used by fishermen of the islands of Banda, about 800 miles southeast of the Philippines, as bait for night fishing.

Eagles Change Color

The young eagle is either in three kinds of garments before it reaches maturity. During the first year it is black, the second year slate-colored, the third year brown and white. It might be said that the bald-headed eagle is not bald. It is so called from the white ruff of feathers about its head. The three different appearances of the young eagle one time provoked a strange misunderstanding among bird observers. It was thought that they were three different species—the black, the George Washington and the bald. The eagle is one of the Falconidae, which includes hawks and all similar birds of prey.

Great Authors Write Badly

All great authors write badly. That is well known. At least the pectans say so. Great writers are imperious. The vigor of their vocabulary, the intensity of their style, the daring of their phrases disconcert the pedants. To the pundits good writing apparently means writing according to rules. But born writers make their own rules, or rather make none. They change their manner at every moment as inspiration dictates; sometimes they are harmonious, sometimes rugged, sometimes loquacious and sometimes spirited. So, according to the common notion, they cannot write well.—Anatole France.

"HORSE-POWER" UNIT WRONG

Mistake That Can Be Definitely Traced to James Watt Was Never Officially Corrected.

"H. P.," as you know, stands for "horse power," and if, therefore, your motorcycle is a four and one-half h. p. engine, you know that what is meant is that the engine has a power which is equivalent to that of four and a half horses. Not so! You would be incorrect to the extent of no less than 40,000 pounds, remarks a London Answers writer. The h. p. unit of power is a fraud, and the late James Watt of engine fame is responsible. He was a very careful engineer, in theory and practice, and he discovered, by many experiments, that the raising of 22,000 pounds one foot per minute was a good average horse-power. But "horse-power" today is reckoned at 33,000 lbs. per foot per minute—11,000 pounds in excess! That is due to the fact that Watt, in his anxiety to encourage business, offered to sell engines which would develop 33,000 pounds per foot as a horse-power—a third more than the actual. It would seem that he meant ultimately to be honest, but he died before that happened, and so bequeathed to the world, which has accepted it, a false unit measurement of horse-power. Engineers, of course, know of the error, and make due allowance for it; but the average individual does not. Your 10 h. p. car is, therefore, in fact, but a 6.3 h. p. one, and its power is equal to raising 222,000 pounds a foot in a minute, and not 333,000.

Never Saw Their Faces

The young woman was looking at a child's book, "The Sunbonnet Babies." Those Sunbonnet babies were my delight and my despair when I was little," she said, "because I never could see their faces. If you'll look carefully at every picture you'll notice the faces of those babies are never revealed. Other characters in the illustration show their faces, but never the sunbonnet babies. "The only idea you can get of what sort of little girls they were is by their posture. And I used to peer and peer over the pages and look through from the back side; I used even to tear the pages a bit to see if I could not get inside of those sunbonnets. But I never could. "Some day I'm going to write to that sunbonnet artist and ask if he won't send me, in confidence, one picture of those babies with their bonnets off." Springfield Union.

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