

**THE OBSERVATORY AT MANILA.**

One of the Notable Works of the Jesuit Missionaries.

The labors of the Jesuits are chiefly confined to the island of Mindanao, says the Messenger of the Sacred Heart. They direct, however, a flourishing college at Manila, and are in charge of an observatory which, for the perfection of its outfit and the importance of its observations, ranks foremost among institutions of its kind. This famous observatory was founded by the Spanish Jesuits in 1865, and was at first connected with their college of Manila. It was directed until 1896 by the well-known astronomer and meteorologist, Father Frederick Faura. By its successful prediction of typhoons, so common and destructive in the Philippines, the observatory soon won for itself an enviable reputation throughout the archipelago. Up to the year 1882 no fewer than fourteen of these dangerous tornadoes had been predicted. In consideration of such valuable services the observatory was, in April, 1884, raised to the rank of a government institution under the title of "Meteorological Observatory of Manila," and was transferred to its present commodious quarters outside the city, with which it has telegraphic and telephonic connections.

The observatory comprises four departments: The meteorological, seismological, magnetic and astronomical. Each department has its special director, and a general director is at the head of the whole establishment. The meteorological section, provided with the very best instruments, is the most important of the four, on account of its practical usefulness to shipping interests. It is in regular communication with more than a hundred observatories in all parts of the world. Twice every day it receives by cable the meteorological observations made at the stations of Nagasaki, Tokio, Kabe (Japan), Shanghai, Amoy, Hong Kong (China), Haiphong (Tonkin), the Island of Formosa and elsewhere along the coast. Hence the forecasting of typhoons and cyclones is greatly facilitated, and enjoys the confidence of all those that sail the Chinese seas. Many of the instruments used at the observatory are due to the inventive genius of Father Faura, who was also the first to announce typhoons with certainty, and to discover the laws that regulate their formation and path. He is the inventor of a peculiar kind of barometer which enables any sailor, even if he

knows nothing whatever about meteorology, to foresee the approach of storms and to guard against them.

Next in importance to the meteorological department is the seismological or earthquake section of the observatory, which is rendering great service to a region so much exposed to earthquakes as the Philippines are. This section is likewise equipped with a remarkably fine apparatus, many of the instruments having been built or improved by Father Faura. For many years Father Miguel Saderra Maso has been in charge of this section, which he has made famous by his learned work, "Seismology in the Philippines," published in 1895. Father Cirera's work, "Terrestrial Magnetism in the Philippines," is also well known in the learned world.

The splendid achievements of the Manila observatory found their due meed of appreciation and praise in the congress of scientists at the World's fair, where the institution was represented by Fathers Algue and Faura, who came at that time to this country and spent some months at Georgetown College.

Father Faura died in January, 1897. His death was that of a martyr of charity. During his sickness, Ryzal (or Ryall), one of the insurgent leaders, had been captured and condemned to be shot within twenty-four hours. The prisoner was placed in the Chapel of the Passion, and was offered the spiritual ministrations of the Jesuit fathers. But he peremptorily refused to see a priest on the plea that he was a Protestant. Several of the fathers had already been repelled, when Father Faura, who had formerly been Ryall's professor at Manila, rising from his bed of sickness, made a last effort to convert the unfortunate man. Though at first repelled like the rest, he was at last admitted by Ryzal, and after arguing and pleading with him for a long time, he had the happiness of bringing him to repentance and restoring him to the Catholic Church. The condemned man made a sincere confession, heard mass, received holy communion, begged pardon for his errors and exhorted others to renounce all connection with Freemasonry. His conversion was entire, and his death that of a fervent Christian. The effort to bring about this conversion, however, cost Father Faura his own life. Worn out and prostrated by the interview, he was led back to his bed to die. The conversion of his former pupil was the last apostolic act of Father Faura, and the crowning of a life of great usefulness in the service of religion and of science.

**BIGOTRY REWARDED.**

The appointment of Attorney Joseph H. Choate, of New York, as United States Ambassador to England, is an additional evidence, if any were needed, of what was already amply demonstrated by the appointment of Protestant chaplains to regiments of soldiers overwhelmingly Catholic,—the absence of fairness in the treatment of Catholics in the United States, and the amazing disproportion between their numerical strength in the Union and the influence which they exer-

cise with the Government. Mr. Choate is one of the most narrow and offensive bigots that could be found among men of any standing in the entire Union; and if Catholic sentiment were not a near approach to a negligible quantity in United States politics, Mr. McKinley, who was never yet accused of taking his eye off the main chance, would not dare to make an appointment that is an insult to every self-respecting Catholic in the country. But Catholic rights and Catholic sentiments will be ignored just so long as Catholics are content to have them ignored, and especially so long as a numerous school of Catholic Chauvinists will continue to proclaim to the world that nowhere else in the whole universe are Catholics treated with such eminent justice and astounding generosity as in the United States —The Casket.

**A NOTABLE CONVERT.**

Miss Annie Burritt of Bridgeport, Conn., a prominent worker in Trinity Episcopal Church, in that city, was received into the Catholic Church by the Paulist Fathers of New York, a short time ago. Miss Burritt was accompanied, when she made her submission, by her friend and sponsor, Miss Hecker of Bridgeport, a niece of the late Father Isaac T. Hecker, the founder of the Congregation of Paulists. The conversion of Miss Burritt to the Roman Catholic Church created

a sensation among her friends who are cognizant of it in Bridgeport. For many years she had been a member of Trinity Episcopal Church there, of which the Rev. Louis Norman Booth is the rector. It is the most ritualistic church in that place. She had busied herself in the work of the industrial school connected with the parish and with labors among the poor of city. It was the wish of Miss Hecker that Miss Burritt should be received into her new faith in the church founded by her own uncle, Father Hecker.—Exchange.

**WOULDN'T HAVE THEM ABUSED.**

"When I grow up," said Ethel, with a dreamy, imaginative look, "I'm going to be a school teacher."

"Well, I'm going to be a mamma and have six children," said Edna.

"Well, when they come to school to me, I'm going to whip 'em, whip 'em, whip 'em" (with crescendo intonation).

"You mean thing!" exclaimed Edna, as the tears came into her eyes, "what have my poor children ever done to you?"

**A MICROBE-PROOF HOUSE**

The following description of a novel dwelling was given in the Leeds Hospital Magazine:

"The oddest domicile on earth is that recently erected at Yokohama by an eminent German bacteriologist. It is a microbe-proof house built of glass blocks. There are no window sashes and the doors when closed are air tight. The air supply is forced

into the room through a pipe and is filtered through cotton wool to cleanse it of bacteria. To insure further sterilization the air is driven against a glycerin-coated plate of glass, which captures all the microbes the wool spares. The few microbes brought into the house in the clothes of visitors soon die in the warm sunlight with which the house is flooded. The space between the glass blocks, of which the house is built, is filled with a solution of salts, which absorbs the heat of the sun so that the rooms are much cooler than those protected by the thickest shades. In the evening the interior is heated by the salts, radiating the heat they have absorbed during the day."

**PHILIPPINE INSURGENTS.**

Sacred Heart Review.

The CASKET of Antigonish, N.S., reprinted last week an editorial from the London TABLET, based on a statement which appeared in the ANNEE DOMINICAINE, calling attention to the atrocities practised by the insurgents in the Philippines upon the Dominicans. About one hundred of these zealous men, including among the number the bishop of Segovia, have been treated with great indignity, being thrown into prison, scourged in a most cruel manner, and often mutilated with great brutality. The CASKET holds the United States responsible for allowing such a state of things to exist, and says that "for less outrages than these, inflicted upon Christian missionaries, European powers have time and time again exacted satisfaction from China at the cannon's mouth."



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I have used Ripans Tablets with so much satisfaction that I can cheerfully recommend them. I have been troubled for about three years with what I called bilious attacks coming on regularly once a week. Was told by different physicians that it was caused by bad teeth, of which I had several. I had the teeth extracted, but the attacks continued. I had seen advertisements of Ripans Tablets in all the papers but had no faith in them, but since a friend introduced me to try them. Have taken but two of the small boxes of the Tablets and have had no recurrence of the attacks. Have never given a testimonial for anything before, but the great amount of good which I believe has been done me by Ripans Tablets induces me to add mine to the many testimonials you doubtless have in your possession now. A. T. DEWITT.

I have been a great sufferer from constipation for over five years. Nothing gave me any relief. My feet and legs and abdomen were bloated so I could not wear shoes on my feet and only a loose dress. I saw Ripans Tablets advertised in our daily paper, bought some and took them as directed. Have taken them about three weeks and there is such a change! I am not constipated any more and I owe it all to Ripans Tablets. I am thirty-seven years old, have no occupation, only my household duties and nursing my sick husband. He has had the dropsy and I am trying Ripans Tablets for him. He feels some better but it will take some time, he has been sick so long. You may use my letter and name as you like. Mrs. MARY GORMAN CLARKE.

I want to inform you in words of highest praise, of the benefit I have derived from Ripans Tablets. I am a professional nurse and in this profession a clear head is always needed. Ripans Tablets does it. After one of my cases I found myself completely run down. Acting on the advice of Mr. Geo. Bowler, Ph. G., 588 Newark Ave., Jersey City, I took Ripans Tablets with grand results. Miss BESSIE WINDMAN.

I have been suffering from headaches ever since I was a little girl. I could never ride in a car or go into a crowded place without getting a headache and sick at my stomach. I heard about Ripans Tablets from an aunt of mine who was taking them for catarrh of the stomach. She had found such relief from their use she advised me to take them too, and I have been doing so since last October, and will say they have completely cured my headaches. I am twenty-nine years old. You are welcome to use this testimonial. Mrs. J. BROOKMYER.

Mother was troubled with heartburn and sleeplessness, caused by indigestion, for a good many years. One day she saw a testimonial in the paper endorsing Ripans Tablets. She determined to give them a trial, was greatly relieved by their use and now takes the Tablets regularly. She keeps a few cartons Ripans Tablets in the house and says she will not be without them. The heartburn and sleeplessness have disappeared with the indigestion which was formerly so great a burden for her. Our whole family take the Tablets regularly, especially after a hearty meal. My mother is fifty years of age and is enjoying the best of health and spirits; also eats hearty meals, an impossibility before she took Ripans Tablets. ANTON H. BRAUER.

My seven-year-old boy suffered with pains in his head, constipation and complained of his stomach. He could not eat like children of his age do and what he did eat did not agree with him. He was thin and of a saffron color. Reading some of the testimonials in favor of Ripans Tablets, I tried them. Ripans Tablets not only relieved but actually cured my youngster, the headaches have disappeared, bowels are in good condition and he never complains of his stomach. He is now a red, chubby-faced boy. This wonderful change I attribute to Ripans Tablets. I am satisfied that they will benefit any one (from the cradle to old age) if taken according to directions. E. W. FAISON.

A new style packet containing TEN RIPANS TABLETS packed in a paper carton (without glass) is now for sale at some drug stores—FOR FIFTY CENTS. This low-priced sort is intended for the poor and the economical. One dozen of the five-cent cartons (25 tablets) can be had by mail by sending forty-eight cents to the RIPANS CHEMICAL COMPANY, No. 19 Spruce Street, New York—or a single carton (TEN TABLETS) will be sent for five cents. RIPANS TABLETS may also be had of some grocers, general storekeepers, news agents and at some liquor stores and barber shops. They banish pain, induce sleep and prolong life. One gives relief.

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