

SCIENCE.

CELESTIAL OBSERVATIONS IN THE SOUTHERN HEMISPHERE.—The expedition sent out from England under Lieut. John Herschel to observe in Asia the great eclipse on the 17th of August next, have already done useful work.

THE APPROACH OF SIRIUS.—Mr. Huggins has made a subtle application of spectroscopic analysis, by which he determines whether a celestial body is approaching or receding in consequence of a change in the refrangibility of light produced by a modification of the ethereal waves.

MEASURING TELESCOPE.—The Ordnance Select Committee of the War Department of Great Britain have approved of the telescope patented by Messrs. Elliott Brothers, London, which enables the distance of either infantry or cavalry to be computed instantaneously.

BIOMER'S COMET.—This comet, discovered in the year 1846, was missed at the perihelion passage in 1851. It was seen in 1857, again missed in 1862, and re-discovered in April, 1868.

NEW PROCESS FOR MAKING STEEL.—An invention explained at a recent Convention of the Institution of Civil Engineers, London, consists in grinding pig iron to powder, by a very rapidly-revolving cutter.

TRANSFORMATION OF ORGANIC BODIES INTO HYDRO-CARBONS.—Professor Berthelot of the College of France has described a simple process by which hydrogen may be substituted for all other elements found in combination with carbon in organic bodies.

CHEMICAL CHANGES.—Mr. A. Vernon Harcourt, of London, closes a paper "On the rate at which Chemical actions take place," with the following propositions which embody the principal conclusions to which an examination of the cited cases of gradual chemical change has led.

1. The rate at which chemical change proceeds is constant under constant conditions, and is independent of the time that has elapsed since the change commenced. 2. When any substance is undergoing a chemical change, of which no condition varies, except the diminution of the changing substance, the amount of change occurring at any moment is directly proportional to the quantity of the substance.

NEW DEVICE FOR MANUFACTURING SULPHURIC ACID.—The apparatus, invented by M. Lardani, consists of a furnace for burning sulphur and forming sulphurous acid; a washer or scrubber; a refrigerator; a reacting vessel; and a generator for nitric acid.

NOTICE.—THE UNDERSIGNED would call attention to the improved NEW GOLDEN EAGLE FURNACE. This is an entirely new heater, it is so constructed as to admit of heat being generated by a combination of wrought and cast iron.

FATHER HYACINTHE. His Views on the United States. A correspondent of the Boston Watchman and Reflector says: "Father Hyacinthe, one of the greatest Catholic preachers of France, is expected to arrive here in a few days."

the opportunity of proclaiming, in the pulpit of the old cathedral of Paris, that there is outside the sovereignty of absolute princes a legitimate and respectable sovereignty: the sovereignty of the nation, self-governing. Here is his reference to the United States.

"I bow now towards the modern ages, I look for nations formed under our own eyes, what example shall I take? Shall I go to Southernland? Shall I investigate the theory of the lakes, the people of the glaciers, the sons of William Tell? Shall I take another delightful trip to Belgium? No, I will cross the ocean. I will place myself before the gigantic nation of which I have already spoken, I am no flatterer of my sacred office, I flatter no one, I am not even their blind admirer; and if this were the place, I would tell them that they are verging toward moral decay, and that they are sure to find, as they have found, on this downward path, political and social degeneracy, I would recall them to the purity of their origin and the patriotism of their founders.

"Our readers can imagine how this sounded under the arches of old Notre Dame. It was eloquence of the highest order; and as it was spoken, not read, and accompanied by all that the great orator could do, the effect was marked on his great audience.

"It may not be out of place to mention here that Father Hyacinthe's features remind one of Henry Ward Beecher, the same noble and majestic features, with as great earnestness—the effect was marked on his great audience.

F. H. WILLIAMS, SEVENTEENTH AND SPRING GARDEN

OFFERS FOR SALE. PATTERN LUMBER OF ALL KINDS. EXTRA SEASONED PANEL PLANK. BUILDING LUMBER OF EVERY DESCRIPTION. CAROLINA 44 and 64 FLOORING. HEMLOCK JOISTS, ALL SIZES. CEDAR SHINGLES, CYPRESS BUNCH SHINGLES, PLASTERING LATH, POSTS, &c.

1868. SPRUCE JOIST, SPRUCE PLANK, HEMLOCK, SEASONED OAK PINE, SEASONED CLEAR PINE, CHOICE PINE, SPANISH CEDAR, WALNUT, RED OAK.

1868. FLORIDA FLOORING, VIRGINIA FLOORING, DELaware FLOORING, WASH. FLOORING, WALNUT FLOORING, WALNUT JOISTS, RAIL PLANK. 1868. WALNUT BEDS AND PLANK, WALNUT BEDS AND PLANK, WALNUT PLANK.

1868. UNDER-TAKERS LUMBER, UNDER-TAKERS LUMBER, WALNUT AND PINE. 1868. SEASONED POPLAR, SEASONED CHERRY. 1868. WHITE OAK PLANK AND BOARDS, HICKORY.

1868. CIGAR BOX MAKERS, CIGAR BOX MAKERS, SPANISH CEDAR BOARDS, FOR SALE LOW. 1868. CAROLINA SCANTLING, CAROLINA 44 AND 64, NORVA SCANTLING. 1868. CEDAR SHINGLES, CYPRESS SHINGLES, MAULE, BROTHERS & CO., No. 2660 SOUTH STREET.

T. P. GALVIN & CO., LUMBER COMMISSION MERCHANTS, SHACKAMAXON STREET WHARF, BELOW SLOAT'S MILLS, PHILADELPHIA. AGENTS FOR SOUTHERN AND EASTERN MANUFACTURERS OF YELLOW PINE AND SPRUCE TIMBER BOARDS, etc.

NORTH PENNSYLVANIA RAILROAD. THE MIDDLE ROUTE.—Shortest and most direct line to Bethlehem, Easton, Allentown, Mauch Chunk, Hazleton, Pottsville, Scranton, Mahanoy City, Muncy, Carbon, Pittston, Scranton, Carbon, and all the points in the Lehigh and Wyoming Coal Regions.

Passenger Depot in Philadelphia, N. W. corner of BRIDGE and ARCH streets. SUMMER ARRANGEMENTS.—REVENUE DAILY TRAINS.—On and after MONDAY, May 25, 1868, Passenger Trains will be run as follows: From Philadelphia to Easton, Allentown, Mauch Chunk, and Pottsville, daily (Sundays excepted).

ON SUNDAYS. Philadelphia to Easton, Allentown, Mauch Chunk, and Pottsville, daily (Sundays excepted). Philadelphia to Easton, Allentown, Mauch Chunk, and Pottsville, daily (Sundays excepted).

WEST CHESTER AND PHILADELPHIA RAILROAD. SUMMER ARRANGEMENTS.—On and after MONDAY, April 13, 1868, Trains will be run as follows: From Philadelphia to West Chester, daily (Sundays excepted).

FOR CAPE MAY VIA WEST JERSEY RAILROAD. From foot of MARKET Street (Upper Ferry), Commencing on SATURDAY, July 18, 1868. For Cape May, via West Jersey Railroad, daily (Sundays excepted).

PHILADELPHIA AND BALTIMORE OEN RAILROAD. SUMMER ARRANGEMENTS.—On and after MONDAY, April 13, 1868, Trains will be run as follows: From Philadelphia to Baltimore, daily (Sundays excepted).

THROUGH LINE BETWEEN WASHINGTON PHILADELPHIA AND NEW YORK. Trains between Washington and New York are now run as follows: From Washington to Philadelphia, daily (Sundays excepted).

PHILADELPHIA, GERMANTOWN, AND NORRISTOWN RAILROAD.—SUMMER ARRANGEMENTS.—On and after MONDAY, April 13, 1868, Trains will be run as follows: From Philadelphia to Germantown, daily (Sundays excepted).

THE ADAMS EXPRESS COMPANY OFFICE. No. 100 N. 3rd Street, Philadelphia. Packages, Merchandise, Bank Note, and Special Deliveries, by Express, to all parts of the world.

READING RAILROAD.—GREAT TRUNK LINE from Philadelphia to the interior of Pennsylvania, the Schuylkill, Susquehanna, Berks, and Wyoming Valleys, the North, North-west, and the Chesapeake. Arrangements of Passenger Trains, Monday, August 1, 1868, leaving the Reading Accommodation at 7:30 A. M.

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