MISCELLANEOUS.

Written for this Paper. CHURCH UNIVERSITY BUILDINGS.

The new and imposing structure erected for the joint use of the Sait Late Literary and Scientific association and the Church university is sittion and the Church university is sitstructural design and in the excerlence of its appointments, it is a model. The University was founded and endowed by he First Presidency and the quorum of the 1 weive Aposties of the Church of Jesus Christ of Latterday Saints, in compliance with the request made by the body of the Church, convened in general conterence, on April 5, 1892. It has for its object the education of the youth in all that pertains to a weil-rou ded active duties of life.

The management have been most fortunate in the selection of an educator who stands high in the ranks of his profession to take charge of the natural sciences, and with the return of business to its normal condition it is anticipated that a corps of instructors will be added, and courses of study comparing invorably with the best institutions in the country will be projected.

The board of trustees are as follows:

George Q. Cannon, chairman; Joseph F. Smith, Lorenze Snow, Brigham Young, Heber J. Grant, Anthon H. Lund, Priscilia P. Jennings, Maria Y. Dougali, Karl G. Maeser, James Snarp, Willard Young, Le Grand Young, J. D. C. Young, Spencer Clawson, Heber M. Weils.

CHURCH UNIVERSITY EQUIPMENT.

The building is equipped in the most modern style for the isnoratory method or practical methods of teaching.

The lecture rooms are commodious and well lighted, with specially efficient arrangements for veutilation.

The building is warmed by an indirect method of steam heating.

Besides numerons recitation rooms two rooms are specially fitted as science lecture rooms. The main lec-ture room is on the ground floor, running into the basement. The seats are arranged in tiers so that every spectator has full view of the operating table. A first class stereopticon is in place; and the fittlegs are made for all kinds of scientific work. The table all sinds of scientific work. The tasks is provided with gas, electric wires, motors, water tanks, draft closets, as-pirators, and filter pumps. A large hood occupies the corner; and being constructed largely of glass affords jull view of the operations carried on within it. Drafts for the removal of offensive vapors are operated by gas jets, which are lighted by the simple toucn-ing of an electric button. Two officials from the Franch department of public instruction recently visited the building, and declared that France cannot hoast of a lecture riom more complately or conventently equipped than is this.

The special lecture room for physical science classes, though on a smaller scale, is no less complete. Sliding blackboards, charts and diagrams hung on rollers, and cabinet cases filled with illustrative specimens give a distinguishing appearance to the place.

The isboratories are constructed with great regard to efficacy and conven-ience. The students' inboratory, contrary so the usual custom, is one of the best lighted rooms in the building. The tables run diagonally, so that no worker cute off light from his neighbor. The tables are supplied at each work. ing piace with filter pumps, and exbaunt apparatue, water, gas and drain-Each stuuent has private possesage. sion of a tier or shelves, with a large cupboard and set of four commotious urawers, with locks. In the room, for general use, are large sinks, capacious houds, blast lamps, and asbestos-covered tables, distilled water apparatus and laboratory balances. Work is assigned by the professor daily, printed bulletine neing issued, and each student supplies with a copy.

Near the main laboratory is the dispensary, for which the custodian distributes needed supplies of apparatus and material. Each matriculated student is allowed to order all things pecessary from predcribed work; he pays for nothing that is returned is good order, his cost is therefore reduced to a minimum. By making such large purchases the University his obtained supplies at greatly reduced rates, of which arrangements the students resp the benefit. Poor and rich students receive like supplies; lack of means, which so often have prevented talented students from pursuing lines of experimental work, is here up barrier.

perimental work, is here up barrier. The professor's private office is simply but admirably fitted up. Elro trio devices place the occupant in communication with every room pertaining to his special work; by the same power, doors are opened, seemingly without hands.

The professor's private laborat ry is equipped for original, preparation, and research work. Air pumps, water heaters, hoods, gas furnaces, distilling apparatus, and a multitude of other devices remind one of the cell of an enchanter.

in one room is a table fitted for microscopical preparati n and study.

The balance room contains six of the finest analoptical balances; all mounted on marble in such a way as to avoid tremore. The doors leading into all these rooms are dust tight. The chemical balances are marvels of delicate adjustment. One can literally weigh a small piece of hair. By weighing a piece of paper, then making pencil marks thereon and weighing again the weight of the letters can be ascertained.

The instrument room contains three mammoth cases, in one of which twenty good sized men could be accomousted. Here are instruments varied, complicated and costly. The division set apart for matter and its laws contains instruments of measurement; verbiers, Compasses, plumb lines, renoulums of many kinds, including a most delicate compensation pendulum; Atwood's machine, with antomatic electric attachments for determination of force of gravity, most oblicate in construction and efficient in action. All the inechanical powers are illustrated by efficient models; not toys, but accurate and serviceable pieces.

Levere, inclined planes, sorew models, wheels and axies, pulleys, and wedges, illustrate the elements of machinery.

Rotators, and numerous other pieces illustrate laws of motion.

The principles of hydrody namics are shown by water wheels, air pumps, small, middle size and huge, water hammers, a magnificent hydrostatic press, fountains, hydraulic rame, spouting fiquid apparatus, bell jars, and glasses almost without number. There is a most complete assortment of specific gravity apparatus, and an Archimedes² score w.

In the acoustics section are organ, pipes, a fine sonometer, resonant jars, diapasons, apparatus for the production of Chiaduis' figures, and Koeuig's fiamer. There is a costly siren for the analysts of musical sound, attested by Professor Helmholtz himself.

The optical department comprises not less man a dozen fine microscopes, of American, English, and Continentai make. Several of these were made to Dr. Talmage's order while in Europe last summer. There are porte lumieres, lenses, mirrors, camera-lucida, camera-obscura, cathetometere, photometers, and a superh pair of ox yhydrogen lanter: slor projection. There are also highly pollshed reflectors for demonstating the laws of reflected light and heat.

The section for heat includes a host of thermometers, mercurial, alcoholic and metallic, boiling and freezing agparatus, ice machines, models of steam engines, devices for demonstrating principles of latent and specific heat, pyrometers, polarizeope, zoetrope, etc.

The electrical department includes magnets, batteries and colls, electric motors, fans, electric lamps, Leyden jars and induction colls capable of electrocuting a cat; telegraphic instruments, Wheatstone's bridge, voltameters, galvanometers, thermo-electric poles, resistance boxee, and dynamos. In static electricity there are three fine e ectric machines of the Toepler-Holtz pattern, one two-plate, one three-plate, and one eight-pl le machine. With these are electric chimes, electric platols, Geissier tuber, radiant matter tubes, luminous plates, globes, and tubes.

For meteorological work are maximum and minimum thermometers, barometers ordinary, sheroid and self registering, rain gauges, and auemometers.

The chemical cases are filled with beautiful and costly instruments, glassware from Bohemia, porcelain ware, and apparatus of copper, silver and platinum. There are distilling apparatus, condensers, flaske, caserolee, gas tubes, and bulbs, gas generators, gas holders, ovens, furnaces, water baths, oil baths, air testers, oil testers, water testers, sugar apparatus, lostruments for the analysis of dye-stuffs, paints, foods, articles of clothing, etc.

Many cupboards are filled with chemicals of the finest and purest kinds. Here are the wonderful and numerous products of coal tar, anilinedyes, artifical etbers and fiaming extracte, sugars, starches, cellulose, gums, resine, balasms, waxes and olis... The stock of chemicals and chemical.