

toothed wheels, and the result is an accurate reproduction of the principal phenomena of terrestrial magnetism, and the changes that have taken place during the last three centuries at London, the Cape of Good Hope, Saint Helena and Ascension Island. The inequalities in the periods of magnetic dip, as well as the unequal rates of change, are faithfully shown.

A floating scientific station was the novel suggestion made to the International Geological Congress by Prof. Andrussov. It would consist of a ship, fitted with apparatus and laboratories for geological and biological study of the ocean bottom, and would be kept constantly exploring in different parts of the world, the expense to be met by international contributions. The scheme was warmly approved by Dr. John Murray and other scientific leaders.

During the Zulu war, Dr. George Stoker observed that wounded natives quickly recovered in mountain side places to which they were carried. This led him on his return to England, to experiment with oxygen as a dressing for wounds, the result being the establishment of a home where the oxygen treatment is carried out. The application is made by enclosing the injured limb in a suitable case, which is kept charged with the gas. The dressing irritates less than others, is stimulating, and oxidizes bacterial poisons.

A boon for vegetarians is peanut butter, which surpasses the best dairy butter in purity, and is found to be especially well adapted for use in gravies and for shortening. An extensive demand is expected.

The new flying machine of Major R. F. Moore, of the British army, is not on the usual plan of fixed aeroplanes driven by a screw-propeller. He has selected for his model the Indian flying-fox, his experiments indicating that its wings can be imitated artificially, and that the action of the pectoral muscles can be reproduced by spiral springs of suitable strength to keep the wings expanded. The up and down motion can be imparted by a light electric or other motors. Two or more pairs of wings, placed tandem, are found to be better than a single pair, and it is believed to be quite possible to build a machine of this type capable of lifting a man.

Medical authorities appear to be becoming convinced of the efficacy of alcohol in the treatment of cancer. It is used in hypodermic injections, and its strength has been gradually increased from a ten per cent solution until the pure alcohol is often used. The injections are repeated after five to seven days. The cancer cells are destroyed, the growth gradually becoming smaller, and finally leaving a hard mass that may be ignored or cut out.

The village of Great Catworth, in Huntingdonshire, Eng., is built upon an enormous boulder of chalk. This boulder is half a mile long, and must have been carried eastward a distance of twenty-five miles by some great iceberg. It was dropped to the bottom of the glacial sea, where it became partly covered and surrounded by blue-gray boulder clay.

The first spectrum photograph of a meteor is the remarkable object lately secured by the Harvard observatory. It is hoped that this will show something of the condition of shooting-stars and meteorites on first entering the earth's atmosphere.

An English physician finds that

many cases of typhoid fever in autumn are due to the playing of such games as peg-top and marbles. Germs are conveyed to the mouth by the frequent licking of the fingers in marbles and the wetting of the string of the top. The theory is confirmed by the fact that the disease mainly affects boys.

Y. M. M. I. A. CONFERENCE

Coalville, Dec. 20, 1897.

At the close of the Sabbath school at 10:30 o'clock a. m. yesterday, the conference of the Young Men's Mutual Improvement associations of the Summit Stake of Zion convened with the superintendency, Charles A. Callis, Robert McMichael and John Seymour, Elder Alma Eldredge of the Stake presidency, and Bishop S. F. Atwood on the stand.

The Coalville Sunday school choir sang "The Gushing Rill." The opening prayer was offered by Elder E. H. Rhead; following which the congregational sang "God is Love."

Superintendent Callis, in his opening address, stated, this is the first young men's conference held in this Stake for about five years; and that owing to the fact that the superintendency had but recently learned that the conference would be held on this date, arrangements for holding the same have not been made as they would have liked. Brother Callis stated that Elder B. H. Roberts would be in attendance in the afternoon.

Following Brother Callis, Elder Robert McMichael presented the Gospel in its first principles; referring also to the restoration of the Gospel through the instrumentality of the Prophet Joseph Smith; and bore a strong and faithful testimony to the divinity of his mission, and to the truthfulness of the Gospel as revealed through him.

Elder John Seymour followed with a brief appeal to the young of Zion to search the Scriptures, and seek the counsel of their older brethren, and learn therefrom the object of their being; who and what they are; and what they should and should not do; to put themselves in that desired position of being drawn near to and to know God.

The Sunday school choir sang, "Hail the Lord of Glory."

Bishop S. F. Atwood pronounced the benediction.

At 2 p. m. the Coalville ward choir sang the hymn on page 147. Prayer by Elder Henry Peterson. The choir sang, "Come Dearest Lord." At this session there were on the stand besides those before named: Elder B. H. Roberts, and a number of the High Council and Bishops. The Sacrament was administered by Priests from various wards of the Stake; during the administration hymn from page 400 was sung. The general and Stake officers of the associations were sustained on presentation by Superintendent Callis. The condition of the associations were represented by Elder Callis as not in such condition as desired, having made but little progress. He stated that of the sixteen wards and branches, but thirteen have an association organized. Yet much greater interest is manifest than formerly.

Sister Annie M. Smith rendered a vocal solo, entitled, "Utah's Vales."

Elder B. H. Roberts, in a timely and able address, expressed his pleasure at hearing such a favorable report from Superintendent Callis; having been led to think that Summit Stake, in its mutual improvement work was considered behind the times; after which showed in a lucid manner what is necessary to be done on the part of the ward and Stake officers, in order to make the work of mutual improvement successful.

The meeting closed by the choir singing "Joy to the World."

Benediction by Elder Robert McMichael.

At the evening session, which opened at 7:30 o'clock, the choir sang from page 720. Prayer by Elder W. H. Branch.

The choir sang from page 66.

A quartette was presented by Messrs. F. M. Pineo, John Callis, Leopold and Joseph Jones. J. T. Hodson was sustained Stake treasurer for the associations.

The choir sang the Doxology. Benediction by John Seymour.

S. U. B.

DONNA'S CHRISTMAS.

We had been walking all day in the mountain country of North Carolina, and though we were footsore and hungry, we had had a delightful trip through the enchanting scenery—breathing in the balsamic odors of the pine woods, and chatting together of our varied experiences in the missionary field.

Strangers less than a month previously, when we had met with the other missionaries of our district in conference at Chattanooga, the president had assigned us to work together, in this part of the Lord's Vineyard; and never were brothers nearer and dearer than we soon grew to each other.

There were the sublime principles of the Gospel to talk over, which we ourselves were just beginning to appreciate, and incidents of boyhood and manhood in dear, distant Utah to recall and interest each other with—though our homes were in parts of the State considerably remote from each other.

The sun was just sinking behind the tall pines, and we had not seen a single human habitation since early in the afternoon; so we began to look around for a shelter for the night, and something to refresh the "inner man;" as our breakfast and dinner had been made off the wild berries which grew abundantly in some parts of this region.

Just as the shades of night were gathering we espied a smoke ascending at some little distance ahead, and upon a nearer approach discovered a log cabin, almost hidden among the trees, with the door standing hospitably open, showing a glimpse of a blazing fire of logs in the open fireplace, and a hot supper smoking on the table.

With a nod at me, half comic, half serious, my companion stepped up to the open door, and was met at the entrance by a woman of about fifty-five, whose tall, angular figure stood out like a silhouette against the ruddy blaze of the fire.

Her keen eyes scrutinized us attentively while we made known our business, and, seemingly satisfied with our account of ourselves, invited us, with hearty Southern hospitality, to "walk right in and make yourselves at home."

"My ole man is out doin' his chores, he'll be in in jes' a jiffy," she volunteered, as she arranged a washbasin and coarse towel for our accommodation, and set the steaming dishes from the table back onto the hearth to keep hot until we were all ready. "Mormon Elders from Utah," was her introduction as her husband came in, with a couple of dogs at his heels.

He also greeted us kindly and motioned us to take our places at the table.

"You see, we've a darter who jined the Mormons mor'n a year ago, and went with her husband to the Mormon colony in Coloraydo. We'uns is a gain' out there too. Jeff he's sold his saw mill an' made all ready to clear out; so you see you'uns is right to hum, and haint got no proselytin' to do to-night, though we'll be right smart glad to hear you talk arter supper."

One of the dogs, who had stretched himself close to the fire with his nose