laboring among and looking after nearly 4,000 Maoris, 1,800 or 2,000 miles away. On Sept. 27 word reached the Elders of this conference from Elder E. F. Richards of the appointment of Andrew Smith Jr. as president of the Australian mission with headquarters at Sydney. The same letter that con-veved the above news also intimated veyed the above news also intimated that Elder Richards would visit Queensland about the cnd of November. Some of us have counted the hours between the receipt of such glad news between the receipt of such glad news and the 25th of November, the date when Elders Richards and Smith, ac-companied by Elder W. C. Castleton. clerk of the N. Z. mission, arrived in Brisbane. Through the visitors decid-ing to come up from Sydney in a different boat to the one they in-formed us they would come in, no one was at the wharf to meet them and they were under the necessity of navi-gating themselves to the suburb of Coorparoo. which, as Elder Richards had been here once before, was not a

Coorparoo, which, as inder Atlantas had been here once before, was not a very difficult task. On Nov. 26, all the Elders arrived in Coorparoo from their various fields of labor and at 11 a. m. an Elders' meet-ing was held, which lasted nearly four bours and was cheracterized by an hours and was characterized by an abundance of the good cheer which the Spirit gives. Later on in the after-ncon the brethren were taken for a drive round Brisbane.

Sunday, the 28th ult., was a busy day. The headquarters was allve pretty early. Sunday school convened at 9 a. m. The Sunday school children at 9 a. m. The Sunday school children were briefly addressed by Elders Rich-ards and Smith, the former of whom said a few words in Maori, to the evi-dent delight of the children. Elder W. C. Castleton also sang a Maori song (hymn), which was fully appreciated by all present. At 10:30 the first meeting of the con-

At 10:30 the first meeting of the con-ference convened in the Latter-day Saint's hall, South Brisbane. Quite a number of Saints and outsiders turned out to hear President Smith give a practical talk to those present. After the morning session, some of the El-ders accompanied the Elders to old Father Duffin's, about a mile away, where the Sacrament was adminis-tered to him and the old Maoril's heart was made to rejoice at meeting with and hearing his brethren. In the af-ternoon session Elder Richards pre-sented the general authorities of the Church. Elder Benj. Clegg was re-leased from his labors here and was called to go to Adelaide, south Austra-lia. Wm. Armstrong was sustained called to go to Adelaide, south Austra-lia. Wm. Armstrong was sustained as president of the Queensland confe-rence, with the following brethren as travelling Elders, viz.: Filders R. H. Argyle, A. P. Hamilton, Wm. S. Fau-sett, H. S. Woodland, Wm. Robison and W. H. Coray. The rest of the time was taken up by addresses from Elder Castleton and President Smith on Spir-itual gifts, Church organization, etc. In the evening Elder Smith addressed a meeting in North Brisbane, while President Richards spoke to about 100 people for nearly two hours in the South Brisbane hall. After visiting among the Saints on

South Brisbane hall. After visiting among the Saints on the afternoon of the 29th of November. a Priesthood meeting convened in the evening at which all the Elders and nearly all the local Priesthood were present. Questions were asked and present. Questions were asked and answered regarding the Priesthood and the duties of the branch officers, and peace and harmony restored where lately there has been some misunderstanding.

On Tuesday, the 30th of Nov., the Elders were astir very early. as they had some long distance calls to make and reach the steamer by noon.

Escorted by two of the Elders they got round, and 12:20, the time when the steamer left the wharf, found all the Elders on hand, both those who were going and those who are staying.

A sprinkling of Saints also attended to among the principal divisions, (1) the witness the steamers round the bend main body, (2) Utah bay, (3) Sevier in the river amid the waving of hand-bay, (4) Escalante bay, and (5) Cache kerchiefs and hats. Although noth-bay. These were defined by islands in the river amid the waving of hand-kerchiefs and hats. Although noth-ing was said, I guess there was not an Elder present who did not think of that time in the future when he shall pursue the same course when his la-bors are ended. At any rate in sep-arating once again for their various fields the Elders all showed signs of the pleasure they felt in the meetings with fields the Elders all showed signs of the pleasure they felt in the meetings with and the encouragement given by the president. May God so encourage all His servants that the work of pruning the vineyard may hasten on apace. WM. ARMSTRONG, President of Queensland Conference.

BONNEVILLE BASIN.

The regular lecture in the University public course was delivered Thursday according to announcement. The lec-Talmage and the turer was Dr. J. E. Talmage and the subject was Lake Bonneville, a subject of more than passing interest in this locality, possessing as it does both general and local importance. in does The address was commenced prompt-In a autress was commenced prompt-ly at the hour appointed. It consisted of an interesting description of the rise and fall of the lake volume and of the great climatic changes produc-ing such matvellous results. The stereopticon was used with good effect, and a number of very interesting res and a number of very interseting ple-tures were shown; some of these were reproductions of illustrations pubreproductions of illustrations pub-lished by the United States geological survey, and others original photo-graphs taken by the speaker. In ad-dition maps, charts, and numerous dition maps, charts, and numerous specimens of lake products were displayed. Among the pictures were ex-cellent illustrations of the shore lines, of the fault disturbances, and of the glacial deposits in the canyons of this

glacial deposits in the canyons of this valley; and photographs of the present living inhabitants of the lake. The speaker disclaimed credit for much originality in the facts pre-sented, and eulogized the earnest work-ers to whom we are indebted for knowledge of Lake Bonneville. Among these he mentioned Beckwith, Stans-bury, Blake, Simpson, Bradley, King, Hayden, and more particularly Grove Karl Gilbert, whose excellent mono-graph on the subject is the standard work of reference. Lake Bonneville graph on the subject is the standard work of reference. Lake Bonneville was named in honor of Capt. Bonne-ville, whose early explorations in this region have been recorded by Irving. The body of water once filed the east-ern part of the Great Basin while in the western part was the smaller sis-ter water body known as Lake La-hontan. The Great Basin, is not, as the name would indicate, a single de-pression, but in reality a series of de-pressions constituting a single drain-age area. It is the largest closed drainage area in North America, em-bracing as it does the western half of bracing as it does the western half of Utah, including all that portion which drains westward from the Wasatch range and the plateaus, parts of south-Idaho, almost the whole of Neern vada, the eastern portion of California, southeastern Oregon, and southwestern

Wyoming. In area the Great Basin is approxi-mately 210,000 square miles. Lake mately 210,000 square miles. Lake Ronneville at the time of its greatest extent could be properly called an inland sea. It was fed from the snows of the Wasatch and Uintah mountains. of the Wasatch and Uintah mountains. It measured about 300 miles north and south and about 180 miles east and west, and covered about 19,750 square miles; this made it nearly the equal of Lake Huron in area. Of this great sea, Salt Lake is the largest remnant, and Utah and Sevier lakes are smaller fragmental remains. An ancient lake fragmental remains. An ancient lake covered the central part of Utah, reached into Idaho and Nevada, and almost touched the Arizona line, and composed

bay. These were defined b and archipelagos existing today ranges of elevations. Escalante is claimed by some to have been 8.9 bay a.i. ways a separate water body. When the lake found an outlet it remained for the lake found an outlet it remained for a considerable tome at one level and so recorded its shore history. Under other conditions when the water supply and loss by evapora-tion were balanced, the lake remained at fixed levels and so carved for itself a record on its shore line. These shore lines are well marked along the entire lake margin. The principal levels in lines are well marked along the entire lake margin. The principal levels in descending order are, (1) the Bonneville shore line, the highest and most con-spicuous, about 1,000 feet above the present level of the present lake; (2) the Intermediate shore lines, far less conspicuous than either the foregoing or the following: (3) Provo shore, above conspicuous than either the foregoing or the following: (3) Provo shore, about 400 feet below the Bonneville, and con-sequently about 600 feet above the present water level; (4) Stansbury shore line, well marked on Stansbury island and occurring about 300 feet above present lake surface. The chron-clouient order is (1) Intermediate. (2)

island and occurring about 300 feet above present lake surface. The chron-ological order is (1) Intermediate; (2) Bonneville: (3) Provo; (4) Stansbury. When the lake had stood for some time at its highest level, it found for itself an outlet; this occurs at Red Rock pass at the north end of Cache Valley, and a deep niche was cut in the rim of the lake basin at this point through which a mighty river flowed, rapidly lowering the level of the lake to that of the Provo shore line. To this river thr name Bonneville river has been applied. It was larger than Ningara; it traversed Snake River val-ley, being tributary to the Columbia. From the Provo level to the present water level the lake has shrunk by desiccation. In this course of shrink-age the main divisions became isolat-ed. During the lake epoch, and par-ticulariy at the Provo stare. age the main divisions became isolat-ed. During the lake epoch, and par-ticularly at the Provo stage, many deltas were formed. Amon- the most conspicuous of these are the Logan delta, the Weber delta. City Creek delta, Rock Canyon delta, near Provo and others near American Fork, Span-ish Fork, and other canyons. In many places the shores are deformed hy delta, Rock Canyon detta, hen Span-and others near American Fork. Span-ish Fork, and other canyons. In many places the shores are deformed by faults. An excellent example of a fault scarp is seen just north of this city. This may be traced from a point north of Willard City 'n Nephi, and it represents one of the great faults of the world. Volcanic forces were active in the lake area. In Milliard county there are many well preserved craters, some of them recent. It is probable that lava has poured out on the lake bottom. The lake is now diminishing by desiccation. Sevier lake is about dried away and Utah lake the lake bottom. The last is evice diminishing by desiccation. Sevier lake is about dried away and Utah lake would show the effect of shrinkage were it not that its level is regulated by its natural outflow. Water collected from Great Salt Lake in 1850 yielded to Dr. Gales's analysis 22.28 per cent solid matter: then the level rose and the Dr. Gales's analysis 22.28 per cent solid matter; then the level rose and the water became more dilute. In 1869 it contained, according to Allen, 14.99 per cent solid matter. Analysis by Tal-mage December, 1885, showed 16.716 per cent solids; in August, 1889, 19.557 per cent and in September 1992 per cent, and in September, 1892, over per cent. The life of the 22

lake includes. The life of the lake includes, of course, but few species. Among the plants there is a variety of Algae, and among the animals the Brine Shrimp, larvae and pupee of a gnat, larvae of a tipula fly and a corixa. It is probable that the maximum water level corresponded in time with the period of maximum glacitation is of

water level corresponded in time with the period of maximum glaciation in -parts farther east. Dr. Talmage deplored the fact that thus far no work has been done under State auspices in the investigation of Utah geology: the special work thus far done is due to the United States survey and to mining and other pri-vate interests.

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