an a rule, far more thorough and

OBITUARY.

The funeral services of the fate John

JOHN COOK.

of September A. D., 1999. The speakers on the occasi

## WHAT SHALL BE DONE WITH THE SURPLUS WATER OF GREAT SALT LAKE?

## Saltair Pavilion and the Lucin Cut-off Doomed and the Western Pacific "Up Against It." Declares a Special Contributor to The Deseret News.

C HORTLY after the writer arrived [ n Utah in the year lait, upon learning something of the history of Lake Boomeville, and the general topography of this intermountain country, It at once occurred to him, what an immonie engineering problem would be presented to Utah if there should be a decided increase in the precipitation in the Honney'lle basin Such a condition non confronts usl

cipitation is the Honneville-basin. Such a condition now confronts us! Ever since the writer has been a close student of the cause and effect of elimatic conditions is this information in the control of the case of the control of the control of the case of the control of the contro an air current from the south is con-tinually growing warmer, so that its relative humidity is constantly fulling. relative humidity is constantly furing. That the above is true, can cally be seen by arguing who has noticed that every general storm here is preceded by at least two or three days' wind from the south, which brings the warm, most air from the Pacific and the Galf of California, and when this warm av-is mot by a cold wind from the north we get the storm. Anyone that has not noticed this can easily verify it by obnoticed this can easily verify it by ob-serving for a few months.

### SALTON SEA THE CAUSE.

Now, as to the decided increase in precipitation, that is causing and will continue to cause the take to the for some time, so that it is a menace to the vested interests of Sult Lake valley.

In 1996, while the Southern Pacific was trying to close the break in the bank of the Colorado, and prevent it from filling the Saltan sea, the writer made the prediction to a railroad man that if they did not succeed "the South-ore Pacific would have be Lucin entroff ern Pacific would lose the Lucin cut-off inside of five years." Had they fulled we would have, or

be rapidly approaching, the same cli-matic conditions that existed when the Salton sea was the outlet of the Coloradio, and the sca was overflowing into the Gulf of California, and at the same time the water of Lake Bonneville was at the level of the lower bench on the footbills, and was overflowing the brim of the basin through the Bonneville these bas backet view. However, they of the basin inrough the homevule river into Spake river. However, they succeeded in closing the break, and in-stend of having about 4,000 square miles of water in the Salton basin, there was only 440 square miles. This body of water is now disappearing at the rate of about six vertical feet ner very. water is now disappearing at the tale of about six vertical feet per year, which means there was 5.62.992,320,000 galions of water inken up by the air from the surface of this body of water alone, during the first year, so that the amount of water evaporated from this source is constantly growing less, but this is more than equalized by the con-stant increase of evaporation in the same busin, caused by the greater amount of land irrigated and cultivated in the impecial valley, so that it will not be long until all of the surplus water of the Colorado will be evapo-rated in the Salton basin.

area of the Salton sea, and the check of the increased irrigation in the im-perial valley caused by the break, but the lake rose to 2.8 feet, a gain of 2.4 feet, showing the full effect of the heavy precipitation caring the full and winter of the products year, and fell only until October to 2.9 feet, a loss of only 0.9 host. In 1968 it was 20.85 inches the increases showing the IDonly 0.5 field. In 1968 it was 20.85 inches, the increase showing the in-crease of Brightlon was beginning to compensate for the loss in the area of the Saiton sea, and the loke reached its belight again in July at 4.1 feet. a gain of only 1.1 feet. This year it reached its height of 5.7 feet once more in July, a gain of 5.6 What the total precipitation for this year will be, of course will not be known until the these of the year, bakever it seatens up to September 1, was 2.01 inches as compared to 3.64 for the same time that year, so it is likely the precipita-tion for this year will be greater that that of hast. How high will the loke vier" is will

that of last How high will the lake else? It will certainly rise until the amount of water taken up by the increased evaporation gauged by the entarged area of the lake, equals that which flows into the lake.

## PREDICTS GREAT HISE.

At what time, or at what height, this

At what time, or at what height, this point will be reached, the writter is not prepared to state, however, it will certainly go as high as it was in 1886, about twas about 5 feet higher than at present. The writer feets quite sure it will rise righer than it has ever been since the first advent of a white man to this basis. Some optimist, and some wiseasters will at once say, booth. We had even so wat and dry seasons, and cor-responding rises and fails of the lake, and we will have a dry cycle activity the rise in the lake can do much harm. The as to terms of years that were wet and dry seasons that were the rise in the lake can do much harm. The as to terms of years that were wet and others that were dry but will are no data of conditions that ex-isted during these times in the stretch of country hereisen that no for such forming and this basis. Had we such during the weit events for some reison, the evaporation was considerably greater than during the dry, in that are stretch. At present only in-reased evaporation in the Salton busin or to the damage that will emain

creased evaporation in the Salton basin can be formaten. As to the damage that will ensue from the continued rise of the lake for the next few years the Western Pa-elfic has during the last two years ex-pended large sums for raising and ris-rapping their track at the edge of the lake. Far greater expenditures are facing them, if they expect to keep out of the water on their present right of way. They might possibly arrange to run their trains over the San Pedro line to some distance beyond the point of the mountain, and from there es-tablish a new line so as to keep out of the way of the lake, but that will cost them as immense sum.

the way of the take, but that will cost them as immense sum. During the storms in the last two years the Southern Pacine had to dis-continue trains over the Lucin Cut-off, and afterwards go to quile an expense in repairing, strengthening and rip-rapping their grade. Should the lake rise no higher than it was in 1888 they would be at the mean of even every would be at the mercy of even every ordinary storm, and it is very ques-tionable if they would be able to hold

They are now planning and figuring on spending a large sum of money, in building breakwaters to protect their right of way from the action of the waves during storms.

OUTLOOK FOR SALTAIR.

As to Saltair, they have already gone to the expense of building new hath-houses over shallower water, and the bath-houses farthest out in the lake are of little use to them. A further rise will necessitate moving them nearer shore, or salandoning them, and ulti-mately losing them altogether, and the expense of building new ones to take their place. After a heavy storm in the winter of 1892 when the lake was at its present height, the watchman of the pavillon told the writer that during the height of the storm the waves splashed on the dance floor, that he spent the night on the highest floor of the pavillon, and part of that time As to Saltair, they have already gon

fact higher, how many people would care to be at Saltair during a storm? The Inland Salt company is at some me hable to how its sall ponds, eich means another loss. Even the San Pedro may have con-Even the man Pedro may have con-siderable expense in mising and rip-rapping their track, or possibly will have in move to the right of way at one time occupied by the old T tau Western narrow gage ralload. What would be the aggregate of the above hoates? A sum simply immense! colleges and universities. It has trebled to oncolliment in the past three years and the coming year promises to be the biggest in its history. The freshmer class will be in the neighborhood of

blaggest in its history. The freshmon class will be in the neighborhood of 700. The total ourofloweat will be even 1,500 In the regular courses. This year there will be eventing courses of col-lege grade, which will be open to high school graduates. The enrollment for them is over 200. The city has been very generous to us and while we have not been given everything we needed. "As I wild before, New Yorkness ought to feel proud of their college and yet. I regret to say, that thousands have need new York boy a name. It gives the New York boy a name. It gives the New York boy and values that be boys of no other city in América have. The college is open without for to any young mus rection in a native the ho-stitution is being appreciated more and next. Fortunately the work of the ho-stitution is being appreciated more and matter every hear and I bave hopes that the will accompliate even more than it is doing now."—Philedelphia Press. What natural phenomena could re-lieve this situation? Nothing less than a cataclysin of nature, that would either so change the topography of this country as to give the take a natural nation at completely change our cli-

What could be done artificially to save this loss? The only plan that appears feasible to the writer, would be appears feasible to the writer, would be to excavate a canal and here a tanged through the Stake range, from the northernmost point of the likke, some-where the Eaft river compiles into Snake river. This could be so run as to keep the lake at its present level, which level, or pernaps a couple of feet lower, seems to be the height of the lake hest suited to present conditions. TUNNEL THROUGH MOUNTAINS

This would require a canal and tunnel 66 Ko 70 miles long, which would require the expenditure of such a sum that the writer would not even ventur-to goess its size. However, it would ecarcely cost as much as it would

523.50 The writer would carnestly mige this "Wischmads" of the "powers take or and of the vester informats of the schu-to get together to solvall, and take concerted action in this matter, and ar ceast provide for a probibility suf-vey and rough estimate of cost of once, for it will take a long time to com-plete an undertaking of this four-niture, and the sould it is sould ball completed the less it will cost and the greater the fosses avoided by its con struction writer would say to them, do

The writer would say to them, d iet tet the est rangerting on is call, "Mene, mene, bekel, upharshy e written on a page of your him s hy ary, and in the language of the ver-

"A hint is as good as a nod to a slind mule, but "iorewarned is fore rmed

The state would warely give material id, and the United States government f property approached, would mak in appropriation of a large sum, or as they are directly responsible, as they granted the permit for the fri-gation scheme of the Imperial valley, which caused our present conditions. The present century is an epoch of great undertakings, and the above is surely not beyond the powers of the able men of this state to accomplish successfully. an appropriation of a large sum, or it least they should certainly do so,

If so, the writer's opinion of them

cill be considerably lowered. A small matter, but which it may be well to mention in this conection, is in regard to the surplus canal of the Jor-dan. For several years, owing to the lack of precipitation, it has not been necessary to use it, consequently it has been neglected, and allowed to fill up, and in need of repair. Last spring it was badly needed, and is certain to be wanted next spring, so that Salt Lake City should by all means, this winter, clean out and get it in repair for the spring. Last spring

As this is the writer's "maiden ef-fort" to appear in print, he asks the reader to be charitane in his criti-cisms of the style and diction of this chams of the style and michon of this article, but hopes and trusts that every samest person will give the ideas herein conveyed the thought and consideration they deserve. Should snyone wish to meet the writer, they can make an appointment through the publishers of this article, and he would be pleased to meet them, and he would be pleased to meet them,

and if they so desire, discuss this mat-

## TOLERANCE OF ISLAM.

Is. As a rule, far more thorough and solicitate than the average American college student. In fact, in almost every phase of life the German or the Englishman is more thorough than we are it is a national fault. "What we are trying to do at the minister to the city boy. We are laying trained and we are trying to make the boy and we are trying to make the boy and we are trying to be done by the stick and we are trying to make the boy and we are trying to make the boy and the colleges and anti-borough and the her boy and the colleges and anti-were the fitture is going to be done by the stick and the her colleges of the city boy. We are trying to make the college of the city boy are trying to runk of the fiture is going to be done by the stick and the try boy and the colleges and anti-were the strying to her only a fit her there in minister to the trying to her on the trying to the college of the city by the rich men of the top and the her were there in the one way the strying the beau endowed by the rich men of the colleges and universities. It has trying the phase the strying the strying the boy are the strying the boy and the strying the boy are the strying to the college and the top of the college to the college of the city of New York is the rich men of the college and universities. It has trying the strying the strying the boy are the strying to be done and the college strying the strying the strying the strying the strying the strying to the college strying the strying the strying to the strying the strying to the strying the strying to the strying to the strying to the strying to the strying the strying to the strying the strying to the strying to the strying to the strying to the strying the strying to the strying the strying to the strying the strying to strying to the strying the stryi The phenomenal political and social changes within recent months in the Mohammedian orient, especially in Turkey and Persia, have in many circles arouned the hope that now Christianity will reconquer that wide domain of Christian lands in east and northern Africa taken from it more than a thousand years ago by the followers of the prophet of Mecca, and that falam, as a religion and as a dis-tinct and separate type of culture and civilization, will rapidly disintegrate before the forces of western and

before the forces Christian ideas. Turkey, it seems was granied relig-ious liberty through the constitution of July 24, 1968. The overthrow of

Abdul Hamid II on the 17th of April, during the present year, confirmed this constitution anew, and made freedom of conscience the law of the land. In the very first session of parliament under the new suitan the question was stribusly discussed whether Islam was still to be regarded as the official re-ligion or the Turkish empire. The Young Turks are extremely desirous hat they should be considered by the rest of Europe as therought modern men, and in their atruggle with the of the Christians and dare not offond them. But notwithstanding all this, medians will be martise take to relig-tions meedian. Legally a Moslem at the present time can become a Chris-tab present they wark of Christian mis-sionaries among the Mohammedane

can now no longer be suppres legally. An improvement prevails that in his politics and religion are so intensits interwoven that the pointes distin-gration of the people of this fait which is transpiring herers our cos the Mediterranceau lines, will be with it also a religious disruption in the actual history of Islam during a intercenth conclusion.—Current Liter ture.

Ocat. ram

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Carpets

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Mr. F. G. Fritz, Oneonta, N. I. writes: "My little girl was great-benefited by taking Foley's Orige Tea-ative, and I think it is the best reman for constitution and liver trouble. Foley's Orino Laxative is mild pleas ant and effective, and cures habitus constitution. F. J. Hill Drug C. ("The never substitors,") Batt Lake City.



Next week will mark one of the most interesting weeks in carpet sales ever recorded in the city. Commencing Monday Morning, October 18, and for one week, we will close out our entire line of carpets at prices lower than jobbers' prices. We are going out of the carpet business and will close every yard out, no matter what the sacrifice may be. Here are a few prices quoted below. All carpets made, laid and lined free.



rated in the Salton basin.

#### EFFECT ON UTAH CLEMATE.

EFFECT ON UTAH CLIMATE. Now, some readers will at once ask, "but how can that affect the climatic ounditions of Utah at such a great dis-function of Utah at such a great dis-traction of Utah at such a great when the humid winds leave the pass aver such the whole north temperate when a such a greater than at any heat hum dearty at diffused moisture they are in perfect condition to a be when the they may come in contact on a diffused on their could from be taken to more moisture through the perfect of saturation can be to be to be intended evaporation canned by the present that they are almost at the best of saturation even at her such that they are arrive. The mersion previolation the his bas and the taken mer traction of the satura-tion of saturation canned by the perfect of saturation even at her such and the take mer the but one set is all the same the contraction is and the bus the taken in the saturation of the perfect of saturation of the saturation of the perfect of

citles.

try-bred rival.

the second secon precipitation which still further lowers the temperature and increases the rel-ative bundlity. But another effect of the lower temperature and higher hu-midity is that, when the general storms occur, as there is already more moisture in the sit the precipitation of that shown will be just that much greater, so that increased pre-ipitation works in an endless chain, consequently the increase of precipitation is at locat the equare

endless chain, consequently the increases of precipitation is at least the square of the increase of the additional mois-time brought into the basis. Now, as fo the rise and fall of the hake the cooling effect and the greater munidity of the air crossed by more set during which the lake roosed and not only shortedly lease needed and exaperation of the water of the take during that period, but also decreases the exportion on all screams and their tributaries which flow into the lake me there is samaderable more water flows into the lake during that period.

#### PRECIPITATION FIGURES.

Anyone can see, by comparing the yearly tuin full and the rise and full of the take during the years such rec-end has been kept, whenever the total precipietion for the year has reached the designation of its incluse the take ma then, when loss than that, It line

This the what we intend to do at the only of the theory of the total president the line of the transformation of the transformation

of the pavilion, and part of that time ter to then CARL A. RAHT. he never expected to set foot on shore again. Should the lake rise only six Murray.

The City-Bred Boy the Coming Man

been constantly going on. The coun-try hoy, on the other hand, has been brought up close to nature. The things he has seen have remained unchanged OOK to the city-bred boy for the great things in the future. The country-bred boy is having his day now, but in the next genera or changed slowly. He is at a disadtion the great men of the country will vantage

"This naturally leads to the question: be those who have been bred in the

"This naturally leads to the question: Is not the youth who attends a col-lege or university in a large city better fitted to go out into the world than the youth who attends a similar in-stitution in a amail town? On the whole, I think he is, Of course, it de-lege atudent has in New York, for in-stance, are far greater than those to be had in any small community where the college is the principal thing. There are more distractions here, to be made the most of his opportunities he can accompilab more right here in New York than any where in the coun-try. There are some boys, of course So says John H. Finley, president of the college of the City of New York. and himself country-bred. He deciares that the city-bred boy has been much maligned, in addition to the fact that today he is far outstripping his coun-"Nearly everywhere today the coun try-bred boy seems to be doing the blg things. He is the most successful lawyer, the most successful physician, the most successful financier, and so on. This is only natural because 50 and 69 years ago most of the children were been and bred in the country. The pop-ulation of the cities was very small. Consequently there is no greater failacy than to believe that the country-bred boy is better causpied or more liable to achieve success than his city-bred cousin. The country-bred boy has and always will have some advantages, but these advantages are ever-balanced by the advantages of the sity-bred youth. What the city boy lacks in the way of strength, health and self-reliance he can acquire with the proper training. And naturally his city training places him far ahead in other respects which tell in after life. yer, the most successful physician, the New York than anywhere in the course try. There are some boys, of course who ought to be sent away to school, and if their parents live in New York some other smaller city is perhaim bet-ter for them. But for the boy who can avoid the distracting influences and who wants to make the most of his opportunities New York is unsurpass-ed as a college town and est couldy opportunities New York is unsurpass-ed as a college town, and especially for the youth who wants to work his way through college or at least cara some money toward his support dur-ing his college course. There is a greater warlety of employment here than in any other city in the country, and work and study can be better combined here than classwhere. "The two most important throas that

tell in after life. ' "But the great renson why I believe the city-breat boy, and not the country-bread hoy will do the big things in the rature is this: The great problems of the future will be city problems. The men who have been bred in the cities, who understand them and who have had the training, will solve these problems. The two most important things that The two most important things that i want to impress upon the young men who are entering their college work next work are thoroughness and ar-curacy. One great fault of the college student of today is carciensness. He is not thorough enough in his work or play. The German of English student

bad the training, will solve these problems. "The great need of the city-bred boy is physical admention. The colleges and universities have not done enough along that life. Physical education has only here for those who needed it least. It has only meant work in the gymnasian on the athlete field. "The real physical education that the city-bred hey needs is more than work in the gymnastation or the athlete field." "The real physical education that the city-bred hey mode is more than work in he gymnastic. It is a solution on the athlete field." "The real physical education that the city-bred hey mode is more than work in the gymnastic. The needs is matrice to make a second on the state of the colleges of the City of New York the test of the what other colleges and universities expectable to make a second on the physical real to be computed." The city-bred hoy needs the physical radius to complete successfully with the couling to reach youth. For the latter's muscles are based by atring and all his organs are based by strong and strength the city-bred health and strength the city-bred youth is far better fitted to go out note the work and make a panel that the boy from the farm Temperationally he is benited for the strongel. All enorgh the strong with the is provide. The strongel has the physical to the farm Temperational with the seturn fitted to go out note the strongel. All enorgh the strongel. All enorgh to the strongel. All enorgh the strongel. All enorgh the strongel. All enorgh the strongel. All enorgh to the strongel. All enorgh to the strongel. All enorgh to the strongel. CARTERS CURE SICK HEADACHTS. IVER PILLS. Genuine Must Bear Fas-Simile Signature men Klood SICK HEADACHE Positively cured by these Little Fills. They also rollero Dis-CARTER'S tress from Dyspepsia, In-digestion and Too Hearty ating. A perfect rem-

edy for Disate dy for Dissiness, Nauses, Sources, Bad Tusie n the Mouth, Contest Tungue, Pain in the side. TORPID LIVER. They regulate the Bowels. Purely Vegotable. SMALL PILL. SMALL DOSE. SMALL PRICE. Genuine Must Bear CARTERS Fao-Simile Signature

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REFUSE SUBSTITUTES.



# **Great Land Sale, Oct. 20, 1909.** =40,000 ACRES 40,000

Situated in Blue Creek and White Valleys and near Promontory in Box Elder County, in Townships, 12, 13 and 14, N Range 4 West, 11, 12, 13, and 14 N. Range 5 West, 10, 11, 12, 13, and 14 N. Range 6 West and 10 N. Range 7 West.

The land has been appraised mostly in sections, in a few cases parts of sections, the price ranging from \$2.50 to \$25.00 per acre.

Sealed Bids will be received up to 10 o'clock A. M. on above date at which time they will be publicly opened at the Company's office above stated, and the land sold, in parcels as appraised. to the highest bidder, except that no bid will be received that is below the appraised price.

All bids should be marked "BID ON PRO-MONTORY-CURLEW LANDS" and delivered or mailed in another envelope to the Company.

Terms of sale, one-fifth cash, balance in ten equal annual payments at 7 per cent interest per annum.

This land is some of the choicest dry farm, and grazing land in the state of Utah, the farm land being the equal of the famous dry farm lands of Cache Valley.

A townsite to be known as Howell is being surveyed, and 3,000 acres of irrigated land, surrounding the townsite in the Blue Creek Valley is being surveyed into ten acre fields. These lots and fields will soon be placed on the market and offered to purchaers and owners of dry farms in this locality.

