DESERET EVENING NEWS: THURSDAY, AUGUST 20, 1903.



SEATTLE TEAM TO IDAN PATCH IS MEET LOCAL NINE KING OF PACERS

They Will Play a Series of Six At Brighton Beach Vesterday He Games in Salt Lake-League To Stand.

MANACER DUCDALE TALKS.

He Declares Seattle Will Stick as Long | To Spectators it Seemed Impossible to As There is a Team Left To Play With.

In the same

Manager Dugdale and the Seattle team arrived in Salt Lake last night. The team will remain here for a series of six games with the Salt Lake nine. On Saturday and Sunday they will play double-headers to make up for the time lost by Seattle's delay in getting down here.

Accompanying the Seattle bunch are two warm Salt Lake favorites-Billy Hulen, captain of the team, and Frank McNichols, the speedy third baseman. These players were given a warm re-ception by the fans this afternoon. Manager Dugdale brought the cheer-

ing news with him that, in spite of Helena and Tacoma dropping out of the league, there was still a good chance for the continuance of the organiza-

tion. "So far as I am concerned," he said, "my team will stick as long as there is a team left in the league to play with.

The teams now composing the organization have agreed to play until the 27th of this month. On that date the magnates will meet at Spokane and the situation will be gone over thoroughly and an effort made to dispose of the

Helena and Tacoma franchises. Next week Spokane will come from Butte to Salt Lake instead of going to Tacoma, Seattle will go to Butte. What will be done after this will be decided upon at the meeting at Spokane. The teams line up as follows at Walker's teams line up as follows at Walker's this afternoon.

Sife damages caused by the overflow of a ditch on the west side of north Main street, be allowed on the basis of \$75. The claim of A. P. Poff for \$50 for injuries occasioned by driving into four the true true and and fallen tree was denled. A request from Chief Devine asking for leave of absence in order to attend the convention of fire chiefs, also for \$150 expenses while away, was favor-ably recommended to the council by the

committee on fire department. The city attorney reported that Brown and Sanford refused to accept \$25 for damages claimed to their irri-gating ditch. They want \$50. The mat-ter was left onen Broke the World's Becord -Time 1:50. er was left open, The committee reported in favor of opening Tenth West street from South Temple to North Temple, and that a ressing be put in on South Temple and a bridge be built across City creek on North Temple treet. It also recom-norded that South Temple from Fighth

that the claim of Mary B. Anderson for

A WELCOME SHOWER.

at the atmosphere grew muggy after.

ned up cooler than yesterday, but

AS FROM THE DEAD.

tion was in honor of their son John, who

had returned home after an absence

of 25 years, and after his parents had believed him dead. The son had scarce-

his father and mother and a number of brothers and sisters, some of whom were mere babes when he went away. During his absence the son had wan-dered hither and thither, at home and abroad, following mining as an occupa-tion. He left when he was 25 years of age, determined to see the world. First he went to Australia, then he returned to America, then to Honolulu, later to the Philippines and then back to Ameri-

the Philippines and then back to Ameri-ca. For some years he followed mining

his father and mother and a number of

HE RACED ACAINST THE WIND

mended that South Temple from Eighth West to the Jordan river be graded, and that the Saltair company be comclied to move its round house off the Make Such Marvelous Time --The committee also recommends that the Short Line be permitted to put in a crossing and plank and gravel the Track Was Slow.

New York, Aug. 19.-Dan Patch broke the world's record today for pacers by pacing a mile in 1:59 at Brighton Beach Much Needed Precipitation Allays the track. It was a most magnificent per-Dust and Reduces the Temperature. formance and seemed an Impossibility

the wind and track considered. There was a stiff breeze blowing, was slightly broken last evening at which struck the horse fairly in the 8 37 C'clock when a heavy shower face. The track was a little slow, but showed up from the northwest, and the effect of the wind was discounted continued until 9:13. The precipitation by sending a runner in front, while was .15 of an inch and laid the dust the second runner galloped alongside. In view of the adverse condition the announcement was made that he would go against the track record of 2:00%, but would also try to bent the cham-pion record of 1:59%, held since 1897 by Star Bointer. in good shape, besides cooling the air. wards, and the most of the night was close and uncomfortable. This morning

ith promise of a high thermometer before afternoon today. The kills dried air that has obtained for so long has sent many people off into the mountains to Star Pointer. When the unbeaten pacer-for Dan Patch never lost a race-appeared on the track he was loudly cheered, and escape the oven like surroundings. after a few preliminary warm-ups he got the word. With a swift friction-less stride he shot from the wire and scemed to be determined to push his Women of Woodcraft at Lagoon Thursday, Aug. 20th. se into the flying sulky in him which the thoroughbred in shafts was steadily pulling ahead. On Son Returns to Gladden the Hearts of swept the fumous pacer to the quarter in :29%, and when the haif-mile pole was flashed past in :58% a great volume of cheers went up from the vast crowd. Then came the difficult top turn and the slowest quarter of the mile ensued, the three quarters being done. In 1:29% Aged Parents-Absent 25 Years.

A reunion, the like of which is not often duplicated in any town, occurred in Salt Lake last night at the home three quarters being done in 1:2914 of Mr. and Mrs. James Leatham, 334 But down the stretch as swift and south Fourth West street. 75

iting with his family for the past few weeks. Mrs. Wells and the children, and Mrs. Wells' mother, Mrs. Katz, will remain on the Pacific coast for some time yet and will visit San Francisco before returning.

Gen. Charles S. Burton went up to Ogden roday to meet Mrs. Burton, who has been spending some weeks at Pa-cific Grove. The latter returns home much improved in health and reports that the Sati Leke colony is fast thin that the Salt Lake colony is fast thinming out at the Grove.

Dr. and Mrs. Niles entertained a few friends at an informal lake party last evening. . . .

Le Grand Young, Jr., entertained at an informal lake party last night in honor of his guests, Messrs. Paul and David Tarpey. Mrs. Wm. Reid acted as chaperone. . . .

Mr. and Mrs. S. F. Fenton, Mrs. Or-son Howard, Dr. and Mrs. Tripp enter-tained their brother. Dr. Tripp and family, from the east at an informal lake party last evening.

Mrs. Frank Groesbeck and sister, Mrs. Lowe, leave this evening for a two weeks' trip to Denver.

Miss Louise Horsley of Brigham City is visiting friends in Salt Luke.

Haydn Evans, the eminent musical man of Scranton, Pa., who has been visiting with Prof. Stephens for sev-eral days past, leaves for his bome tomorrow after a very pleasant time here.

. . . Mesdames Emmeline B. Wells and Lydia A. Alder leave tonight for Ka-nosh, where they will attend the Relief society conference of the Millard stake.

Willard Christopherson, the Salt Lake basso, who has been doing mis-sionary work in Sweden the past three years, sailed from Liverpool today en route home.

IRRIGATION INVESTIGATIONS AND EXPERIMENTS,

Bulletin No. 80 of the Utah Agriculural Experiment station, just received from the press, is the first report of the recent irrigation investigations of the Utah station, and deals wholly with the proper use of water by the farmer. The results presented were ob-tained from the irrigation plats on the college farm during the season of 1901. The work is the outcome of a decision made two years ago by the station staff to reduce to a scientific basis the of irrigation, so indispensible to Utah agriculture. Also to determine the real The terrific heat of the past 40 days value of water to the growing crops of the arid regions, and to demonstrate

the amount of moisture actually neces-sary to mature the various field crops grown in Utab, with a view to the conomical use and conservation of ir rigation water and prevent its waste. The work reported in this bulletin is exhaustive and technical, covering 146 pages; a popular edition is promised, copies of which will be sent to the farm-ers of Utah as soon as published. The bulletic contains a number of half-tone ulletin contains a number of half-tone builtin contains a number of mar-tone cuts (some of which are rather poorly printed and do the subjects injustice), illustrating the model and intricate ir-rigation system in vogue at the sta-tion, method of applying the water to the experimental plats, soil testing, etc., also showing the relative eron yields also showing the relative crop yields under varied conditions or amounts of

under varied conditions or amounts of irrigation water supplied. The work reported in this bulletin was planned and executed, and the re-suits prepared for publication, jointly, by three departments, which have now worked together for two years, in the most harmonious manner, for the elu-cidation of the principles of the art of. firrigation. This bulletin may, there-fore, be said to represent, also, the suc-cessful outcome of an experiment in scientific co-operation-the first at-

vided as follows;

histories and chemical composition

done by his own department.

departments, each preparing the work

The table of contents shows the ex-

tion vs Yield; and (e) Summary of Con.

DUTY OF WATER.

The chapter which appeals most di-

rectly to the interests of the farmer is that on Irrigation versus Yield, which

shows the relative duty and value of

he wheat experiments 30 inches of ir

igating water was used on one acre, with a yield of 24.44 hushels of glain.

he same water, spread over two acres roduced a fraction under 35 bushels,

nd grain by nearly one-half for wheat, nd nearly one-third for oats. Wheth-

is it must be remembered

was needd to mature the crops

from 20 acre inches over two than were obtained when the

ame amount of water was applied to me acre. The amount of water appli-

to corn in Utah, where water can obtained is certainly more than 24

iches, and often past 20 inches. Again is query arises, will the increased

field obtained when 30 acre inches are applied to two acres compensate for

the extra work of caring for twice the

ed 665.32 bushels per acre, or more than

Tables 30 and 31 show the varying value of water for growing sugar beets.

Thirty inches of water produced a yield of 23.46 tons per acre: applied to

only a partial truth. In

per appli

lusions

rate of 15.13 tons per acre for half

the quantity of water.) The government builetin gives 25.80 inches as the average amount used for sugar beets in Arizona and Montana. This number is based on two observa-

tions only, and does not probably repre-sent the amount used in Utah. If, however, it is right, it is yet higher than it should be for the most econom-These conclusions concerning the varying value of water hold primarily for shallow bench lands, yet on deep

solls the general variation is like that here explained. It is evident that con-sidering only the crop yield, profitable irrigation ceases when 10 to 15 inches have been applied. The general prac-tice been applied. s among farmers is to bring upon d as much water as can possibly bid as much water as can possibly be btained, with the expectation that the leid will be proportional to the amount f water used. As a result, a waste f water occurs; lower lying solls are jured, erops of poor quality are pro-uced, and, worst of all, neighboring disting lands are robbed of the water use should result robbed. hey should receive. It is not at all improbable that, as

ore facts are gathered on this sub-t, and become understood by canal mpanies and farmers even with the present water supply, the irrigated area may be increased one-fourth or ope-third, or even one-half.

SUMMARY OF CONCLUSIONS. Following is a summary of scientific

rigation data deduced from the exper-ments given in the bulletin 1. The results of this investigation primarily for shallow bench

ands The composition of the irriga-

tion water from the mountain streams is quite constant during the irrigation season. 3. The temperature of the water in farm ditches is about 54 degrees F. for June, 60 degrees F. for July, 62 degrees F. for August, and 54 degrees F. for September.

F. for September. 4. At the time of the first irrign-tion wheat and oats had drained the soil more completely of its moisture than had corn, potatoes or sugar beets.

than had corn, polatoes of sugar beets.
Perennials use less water in early spring than do annuals.
The amount of water held by the soil decreases with the depth.
Only about 60 per cent to 75 per cent of the maximum water capacity of the set or withing one day after of the soil are utilized one day afte irrigation

The lateral movement of wate 8. The lateral movement of water in the soil of the College farm is about 4½ feet for the first foot; 6 feet for the second foot.
 8. On soils like those of the College

farm the lateral movement of the so water is of little consequence to the is sure to occur. farmer

The loss of the soil moisture is most water; and is in direct propor-tion to the per cent of moisture in the oil immediately after irrigation. 11. Of two soils having the same per cent of moisture, the deeper soil

About one-half of the water

changing the relative humidity a

af soil moisture. 18. Winds cause a large loss of soil

19. The rate of loss of soil moisture depends upon the kind of crop. The order, beginning with the most waste-ful, is following: Potatoes, oats,



Compelled to Be on Her Feet the Larger Part of the Day Finds a Tonic In Pe-ru-na.



Miss Nellie Curtain.

woman in a department store writes:

to women."-Miss Nellie Curtain.

This discharge of mucus constitutes a weakening drain; the system cannot long withstand the loss of mucus, hence it is that women afflicted with catarrhal affections of the pelvic organs feel tired and languid, with weak back and throbbing brain. A course of Peruna is sure to restore health by M ISS NELLIE CURTAIN, 668 Pearl street, St. Paul, Minn., head salescutting off the weakening drain of the dally loss of mucus.

An Admirable Tonic.

" I have charge of a department in a Congressman Mark H. Dunnell, Natdry goods store, and after standing the larger part of the day, I would go home with a dull ache, generally through my entire body. I used Pe-runa and feel so much better that I walk to and from the store now. I but also as an admirable tonie for phyknow Peruna to be the best medicine steal recuperation, I gladly recommend on the market for the diseases peculiar it to all persons requiring such remedles."-Mark H. Dunnell.

Nothing is so weakening to the human If you do not derive prompt and satissystem as the constant loss of mucus. factory results from the use of Peruna, Catarrhal inflammation of the mucus write at once to Dr. Hartman, giving a membrane produces an excessive forma- full statement of your case and he will tion of mucus. Whether the mucous be pleased to give you his valuable admembrane be located in the head or vice gratis.

pelvic organs, the discharge of mucus Address Dr. Hartman, President of The Hartman Sanitarium, Columbus, O.



disorder, vertigo, palpitation of the heart, diarrhea or the self-poisoning which follows when the undigested food remains in the bowels where it putrefies and empties highly diseased germs into the blood, such as typhoid and malaria, Muil's Grape Tonic will positively cure. Large sample bottle will be sent free to any address on receipt of 10 cents to cover postage, by the Lightning Medicine Co., Rock Island, Ill. Send name of your druggist. All druggists sell Mull's Grape Tonic at 50 cents a bottle.



few degrees is very slight. 16. Sunshine is a strong factor in causing a loss of soil moisture. 17. Of the three factors, relative humidity, sunshine and temperature,

the last is most potent in causing a

wheat, corn, sugar beets, old lucern

Salt Lake Seattle Dawis. .First base Freeman Donahue Second base Hulen Third base. McNichols Cook Weed Babbitt Shortstop Flannery .Left field Huley Drennen Hanley Center fle Shea ... Right field Spencer Anderson Catcher Wiggs Pitcher Stanley Engle Hickey, Maupin.

HOW THEY STAND

Pacific National League.

PC

.611

.560

.514

643

.653

.604

.524

424

.337

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.635 .610

549

ed."

	Won.	Los
Los Angeles		42
Butte		- 42
Spokane		48
Seattle		49
San Francisco		53
Salt Lake		28

Today's Games.

Los Angeles at San Francisco, Spokane at Butte, Scattle at Salt Lake.

American League.

	Won.	Y march	13 63
	won.	L CHEL	10.0

Boston	64	36
Cleveland		
Philadelphia	57	48
New York		47
Detroit		46
St. Louis.,		53
Chicago		58
Washington		69

National League.

Won, Lost, P.C.

Pittsburg	66 3
New York	
'hicago	
Incinnati	
Brooklyn	· · · · · · · · 5
Boston	
a. Louis	
Philadelphia	· · · · · · · · · 31 6

Western League.

Won	Lost.
Milwaukee	35
Colorado Springs 61	39
Kansas City., 53	45
St. Joseph.,	47
Denver	48
Peorla	
Des Moines 1.41	
Omaha	57
and the second s	

Pacific Coast League.

	Won.	Lost.	P.C
Los Angeles	11.11	46	
Portland	69	54	
San Francisco.,		57	05
Sacramento	**×* 63		.50
Seattle	63	67	. 48
Oakland	12.54	81	
Report for the second sec	And in case of the local division of the loc		

TENNIS CHAMPIONSHIP.

Doherty Brothers Gain a Victory Over Collins and Wardner at Newport.

Newport, R. I., Aug. 19 .- The Doher-tys retained their hold on the national double championship today by a bril-liant straight set victory over Collins and Waldner, the challengers, H. L. Doherty was the most effective of the four. The western team played much better tennis than yesterday, when they defeated the eastern champions, Ward and Ware.

Next to the doubles in Importance was the match in singles between R. F. Doherty and Greigh Collins. Each player had played in the hard doubles match in the morning besides disposing of a man in singles in the early after-neon, but in spite of this handleap both noon, but in spite of this maintaip of put up a very creditable game. Do-herty took the first set, 6-2, but Collins was always at the net in the second set and played so well that he won, 6-2. Doherty took the lead in the third set. Donerty took the read in the third set. 5-4, and 40-30, but Collins ran the game out and 18 games were played before the Britisher played the set to his cred-it. In the fourth set Doherty forced himself more and ran out quite easily, take no other.

eady as a locomotive he Callie. is he shot under the wire the watches stopped at 1:59. The new champion was not at all distressed and looked as if he would be able before the season is over to heat his own record. The betting was even

believed him dead. The son had scarce-ly been seen or heard from since he left home, and it was farthest from the thoughts of his aged parents that they should be permitted to gaze upon his face again. But the unexpected hap-pened and John arrived in Sait Lake yesterday morning, only to be met by his father and mother and a purper of noney either for or against his beating the record. Summary the record. Summary: 2:07 pace, purse \$1,000, mile and a hulf-Locands won in 2:15¼. Winfield Stratton, Onoto, Sphinx, Sufreet, Char-ley Hoyt, Berdina and Beausant also

Kentucky stock farm, purse \$5,000, for 3-year-old trotters, three in five-Ethel's Pride won the second, third and fourth heats in 2:14, 2:14%, 2:16%. Libble Queen, Bob Burdette, Granoino

and Blossom also started, Special against time to beat 2:004, and \$2,500 to beat world's record of 1:594, pacing-Dan Patch, b, h, by Joe

Patchen-Zelica, by Wilkes Berry (Me-Henry). Time-294, 585, 1:294, 1:59, The Metropolitan, purse \$5,000 2.20 pacers-Dick Wilson won the first, fourth and sixth heats in 2:08, 2:10%, 2:12; Hal Chaffin won the third and fifth heats in 2:09, 2:14; Diablit won the second heat in 2:08%. Mary Anna and Gilbert H also started.

ca. For some years he followed mining in Nevada, and about four years ago went to Europe. He traveled through England, Scotland and on the continent. Then he returned by ship to San Fran-cisco, and lately has been in Tonopah, from which section he came home. Dur-ing his online absence he heard little ing his entire absence he heard little of his folks and had come to think that Gilbert H also started. 2:18 trotting class, purse \$1,000, two in three—Dillon Boy won the first and third heats in 2:14¼, 2:12½; Ida Gray won the second heat in 2:13¼. Grace Keller, Joe N. Neckette, Crowshade, Dark Secret, Christine G and Hie Boy plan started. hey were dead. However, when he earned they were still alive, his cup of .640 also started.

454 414 324 TO PAVE FIRST SOUTH.

Recommendation Made to the City Council Last Night-Other Matters.

The various council committees last night accomplished considerable work. Among other things the committee on finance with the committee on streets, recommended that First South from State to Second East strest be paved. Conduttee on claims recomme

A WOMAN'S BACK.

The Aches and Pains Will Disappear if the Advice of This Salt Lake City Citizen is Followed.

A woman's back has many aches and pains Most times 'its the kidney's fault. Backache is really kidney ache: That's why Doan's Kidney Pills cure it. Many Sail Lake Woman know this. Head what one has to say about it: Read what one has to say about it: Mrs. Sarah Pearson, rear of 542 Eliz-

Mirs, Sarah Franson, rear of our schular abeth street, says: "I honestly think I inherit liver and kidney complaint at-tacks of which I have had for years, I had a sister who died of liver trouble, and many a time I have been over anx-ious about my own condition for the persistent aching just across the loins which radiated towards the shoulders. which hurt when I stooped and straightened after stooping or lifted anything, often kept me in misery. When there was added to it backache. trouble with the kidney secretions and dimness of vision I knew my kidneys alimness of vision 1 and the Arbor area required attention. I had used a great many remedies for kidney complaint and liver trouble, some of which may have had a slight effect, but from none

which dancing was resumed. Picnic was served, and a delightful time was spent by all present. " A CONTRACTOR CONTRACTOR

Social and Personal, ILRUPUPUPUPUPIPI

Col. and Mrs. T. G. Webber and Miss Georgia Webber returned last evening did I obtain half the satisfactory re-sults as from Doan's Kidney Pills, procured at the F. J. Hill Drug Co.'s from a two weeks' visit through the Yellowstone National park in to which they went over the Short Line via Mostore. This remedy acts directly upon the kidneys. You can tell that from the nida. They are enthusiastic over the trip and say it is indescribably grand. They met many Salt Lakers in the park behavior of the kidney secretions. They are first affected and when they become

normal the aching across the loins ceases. In hopes that my testimonial mensely, . . .

ed. Doan's Kidney Pills are for sale by all dealers, price 50 cents. Foster-Mil-burn Co., Buffalo, N. Y., sole agents for the United States. attractions and wonders with an admiration that is boundless. Remember the name-Doan's-and

-the first atclover, timothy and English ry tempted at this station grass. work herein reported has been di-as follows: The construction of The soll moisture is taken near 20.

ly at the same rate from the different the wiers and flumes, and the measure-ment of the water applied to the ex-perimental plats have been in charge of George L. Swendsen and William D. depths; though the upper soil layer dries out first.

21. The extent to which solls can dry out was 2.13 per cent for the first three inches; 3.72 per cent for the first foot, and 4.63 per cent for the

Beers, of the department of irrigation engineering; all field operations, plow-ing, tillage, harvesting, and the prosecond per application of water, have been in charge of Lewis A. Merrill, of the de-More water is lost from 22. furrow than from the row, though the partment of agronomy; all soil sam-pling, soil moisture determinations; soil under the row is quite moist.

23. The percentage of water in plants and in the ripe seeds increases slightly with increase in irrigation. eld and laboratory studies of the life the crops have been in charge of Di-rector John A. Widtsoe, Dr. P. A. Yo-der, W. W. McLaughlin and Osborne Widtsoe, of the department of chemis-24. Heavy irrigations increase the percentage weight of the heads of plants; light irrigations increase the relative weight of leaves. try. The results of the investigations have been prepared by the heads of the

25. Irrigation modifies definitely the composition of plants and plant parts; the seeds are affected more than any other plant part.

The percentage of protein in kernels was increased from The table of contents shows the ex-tent of the investigations conducted and the practical lessons drawn there-from. The opening chapter (a) gives a geological history of the farm, which is entirely bench land similar to that cul-tivated very generally throughout the state, with a depth of gravelly soil ranging from 9 inches to 6 feet; (b) Ir-rigation vs Soil Moisture; (c) Irrigation 26. nites corn kernels was increased from 12.05 to 15.08 as the amount of irri-gation decreased; in oat kernels from 14.07 to 20.79; in wheat kernels from 15.26 to 26.72. In all these seeds the fat and nitrogen-free extracts were in-creased by liberal waterings. rigation vs Soil Moisture; (c) Irrigation vs Growth and Composition; (d) Irriga-

27. Increased irrigation increased the starch emitent and decreased the protein content of potatoes. 27. Increased irrigation increased

seemed to be less strongly affected by irrigation than were other crops. Between 20 and 25 inches of water yielded beets with the highest sugar

29. The water in plants is some what dependent on the water in the soil

arlous amounts of irrigating water to various amounts of irrigating water to the yield of various field crops. The tables in this part of the work make interesting reading and furnish much valuable data on the proper and scien-tific use of water. It has been com-monly held by irrigators that the more water the bigger the crop. This is 30. With a given amount of water, better yields of corn were obtained by

flooding than by furrowing. 31. Late irrigation did not affect un favarably the growth and yield of corn. 32. The proportion of ear corn to stover increased regularly with the in-creased application of water.

32. The best amount of water.
33. The best amount of water for corn lies between 20 and 25 inches.
34. Late irrigations were found very beneficial in transferring nutritive ma-

erials from oat stalks to the heads, 35. Not less than 15 inches of water should be used for oats, and not more than 2

17% bushels per acre. The result in e outfield was relatively the same, as result its shown in this table is as important. The same amount of Late irrigation was beneficial for ter, made to cover twice the area of und, increased the yield of straw

the wheat crop 37. The percentage of grain in the wheat crop increased with increased irrigations

The yield of wheat increased up to 30 Inches of water,

the increased cost of plowing, seed-g and harvesting the second acre is one than compensated for by the in-eased yield, is a question which the 30 Inches of water.
33. Frequent small irrigations of po-tatoes produced the best yields.
40. The percentinge of marketable po-tatoes increased with irrigation.
41. The best amount of water for su-gar best is about 20 inches.
42. Crops in an arid district require a greater number of pounds of water for one wound of dry mater than in he we have here a means of extend-investigated area. To fut-investigated area. To fut-inderstand the value of these exper-

that were all made on a gravelly bench where the maximum of irrigation r one pound of dry mater than in hu mid climates.

Puble 86 shows the varying value of Water has a varying value. The er with corn. Thirty inches of wa-on one acre produced 70,77 bushels; first few inches possess a much highe value than the later ones; and the val same amount of water spread over acres (or 15 inches) yielded 105 ue continues to decrease as the amount of water increases. 44. By following the indications n . Nearly one-half more ear corn third more dry matter were ob.

the varying value of water it is possi-ble that the irrigated area may be in-creased one-third or more, with the amount of water now used.



Record for July.

According to the records of all book-sellers, the six books which have sold best in the order of demand during the month are: Gordon Keith, Page.

The Filligree Ball, Green The Underdog, Smith ... 1.54 Lovey Mary, Hegan Rice..... 1.00 We have the above and all the latest oular books of the day DESERET NEWS BOOK STORE,

16 Main St.

For Sale in Salt Lake City by Neiden-Judson Drug Cc.



The Kind You Have Always Bought, and which has been in use for over 30 years, has borne the signature of

and has been made under his per-Chat H. Flitcher: sonal supervision since its infancy. Allow no one to deceive you in this. All Counterfeits, Imitations and "Just-as-good" are but Experiments that trifle with and endanger the health of Infants and Children-Experience against Experiment.

What is CASTORIA

Castoria is a harmiess substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is Pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. It cures Diarrhoca and Wind Colic. It relieves Teething Troubles, cures Constipation and Flatulency. It assimilates the Food, regulates the Stomach and Bowels, giving healthy and natural sleep. The Children's Panacea-The Mother's Friend.

CENUINE CASTORIA ALWAYS Bears the Signature of



The Kind You Have Always Bought In Use For Over 30 Years THE CENTION COMPANY, TT MURRAY STREET, NEW YORK OTT





area of soil)

half as much again.

and all are enjoying themselves im-Table 59 shows the best use of water for potatoes. Thirty inches of water on one acre yield 406.20 bushels; the same water applied to two acres yield-Congressman Howell and family are

may induce others to use Doan's Kid-ney Pills who have kidney trouble I unhesitatingly allow it to be publishsojourners in the Yellowstone park and are having an outing of the most pleas-ant character. They have been view-ing the great geysers and other natural

Gov. Wells returned home today yield of 23.48 tons per acre: applied to from Santa Cruz where he has bene vis- two acres yielded 30.26 tons (or at the

happiness was filled and his parents wept for joy to see their son at home again. Needless to say one of the hap-plest families in Salt Lake at the pres-ent time is that of Leathams, whose boy's home-coming is as a veritable awakening from the dead. Women of Wooderaft at Lagoon Thursday, Aug. 20th. SCOFIELD.

IN HONOR OF ANDREW HOOD. Presented With Handsome Watch by

Winter Quarters Miners. Special Correspondence.

Scofield, Carbon Co., Aug. 18 .- A successful party, given in honor of our ex-mine foreman, Andrew Hood of Winter Quarters, was held in the Winter Quar-ters meetinghouse Saturday night, Aug. The evening's enjoyment was opened with free dancing, for one hour, followed with a well rendered program, the last number of which was a presen-

tation speech given by James Adams (formerly of Provo), who presented the

guest of honor in behalf of the under-ground workmen of the Winter Quar-

ters mine No. 1, an elegant gold watch, chain and charm, of the very best qual-

ity, with an inscription on the inner case as follows: "Presented to Andrew

Hood, Aug. 15th, 1903, by the workmen of the Winter Quarters mine." Mr. Hood

expressed his appreciation for the kind-ness and friendship shown him, after