SHELL CREEK IS DICARDED

CONTINUED ON NEXT PAGE

The water, he explained, runs through gravel beds emerging a short distance away, giving the layman the impression that the stream is dry.

Water in "Dry" River

As an example of this he referred to the Arkansas river at Wichita. There are times in the summer, he said, when one can walk across the river bed and not wet his feet, but there has never been a time when the city is without water for there is an abundance of it in the sands. Spavinaw, he said, is never dry and he saw it at its driest period and then there was enough water flowing to supply a city of 350,000.

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Mr. Evans followed Mr. McDonnell and deplored the conditions which force a city to resort to bottled water. He made an investigation of the bottled water in Oklahoma City last summer he said, and found most of it more dangerous to drink than the city water. People are led into believing that bottled water is in some way pure than other kinds and do not realize its dangers.

State Approves Spavinaw

The state board of health, he declared, is prepared to approve the Spavinaw project provided the water is chlorinated, which is provided in Mr. Fressey's specifications. Spavinaw, he declared, would not be approved because the source is not adequate. The basin will furnish a run off of only 25 per cent, which means that the character of the soil is such that only one-fourth of the water that falls will finally reach the reservoir. The Lawton project is operated with a run off of only 10 per cent. If the water is properly purified the loss of water in storage will be still greater.

In referring to health conditions in Tulsa today, due to bad water which induces typhoid, Tulsa ranks with the worst city in the United States. Tulsa has a greater number of deaths in the aggregate and a higher rate per 1,000 than any city in the state, he declared.

Woods and Daniel Speak

Preceding these two speakers, Ralph Woods and Lee Danie spoke briefly to the crowds. Mr. Woods urged the citizens not to permit the water franchise to go into control of an individual. Water, he declared, is necessary to life and as such a valuable commodity should be publicly owned.

Mr. Daniel touched upon the tax question, declaring that Lewis Cline, county clerk, had informed him that the tax rate this year, due to the increased valuation, would be in the neighborhood of 36.5 mills, whereas it was 43.4 mills last year.

Mr. McDonnell, one of the best engineers in the southwest, attacked the water problem from an entirely different angle than it has been treated seriously in Tulsa heretofore.

He considered it from a standpoint of health, showing how with more attention to the purity of water sources in American cities the death rates have been decreased on an average of 50 per cent. Cincinnati by spending $5,000,000 for a filtration plant for Ohio river water decreased its death rate from typhoid about 100 per cent, Mr. McDonnell declared, and the importance of this achievement is more apparent, he said, when it is considered that for every death from typhoid there are three deaths from other water-spread diseases.

Mr. McConnell gave some interesting information as to what other cities have spent and accomplished in the way of procuring pure water supplies. He speaks with authority on this subject as his firm has designed and supervised over 300 waterworks plants, located in nearly every state from Pennsylvania to California. His firm is the oldest hydraulic engineering firm in Kansas City, having specialized in this work for the last twenty years.

A few of the important cities that have employed this firm for solving their engineering problems are Omaha, Des Moines, Council Bluffs, Little Rock, Topeka, Wichita and South Bend, and he is now doing engineering work on the new Water supplies for Okmulgee, Henryetta and McAlester.

Can't Afford Poor Water

Mr. McDonnell emphasizes the fact that from a health standpoint no city can afford to be without an adequate supply of pure water and that lives cannot be measured in dollars and cents. He spoke of the death rate having been reduced 80 per cent in the last ten years, because of the paying more attention to pure water supplies. He expressed the opinion that the time is coming when cities will be judged not by their commercial supremacy, their bank clearings, nor their volume of business, but by their low death rate, and the pure water supply is the most essential factor in securing a low death rate.

Spavinaw Cost Not High

Tulsa's cost of procuring this pure water supply from Spavinaw will cost approximately $65 per capita, based on a population of 75,000 he said. This is far below the average cost that many cities have incurred to bring to the municipality its water supply.

The little city of Canon City, Colo., with 6,000 population spent $600,000 or $100 per capita for its water supply. Portland, Ore., went to Mount Hood for its water supply at a per capita cost of $75. Everett, Wash., has just completed its mountain supply with a 28-mile pipe line costing $75 per capita. Denver's supply cost $80 per capita.

Los Angeles brought its supply from Owens river over 200 miles away at a cost of over $100 per capita and the city has doubled in population since procuring its pure water supply. San Francisco is now spending $120 per capita and going 175 miles to the Cascades with a $60,000,000 bond issue for its pure water supply. New York city has spent close to $100 per capita in bringing its new supply from the Catskill mountains.

Kansas City, Mo., is now considering going to the Niagra river in the Ozarks, 120 miles away for a new supply of pure water that will avoid the enormous expense of treating Missouri river water. Estimates have have been made showing the cost will be approximately $100 per capita.

The Cost of Dirty Water

Mr. McDonnell gives out some interesting information on the cost of moving the mud and filth of turbid streams, the Grand and Arkansas. He reports that annually 92,000 tons of mud are removed from the Missouri river water before it is used. St. Louis removed 2,184,000 tons of mud every year from its supply. The cost of this mud removal amounts to over $500 a day and 20,458 tons of chemicals per year are required in the purification.

It does not take an engineering expert to figure out how much better it would be to have a purer, clear wholesome water supply than to be compelled to wash the water and to disinfect the water before using.

Use More of Good Water

Mr. McDonnell gives the water consumption of various cities showing conclusively that Tulsa uses very little water at present due to the inferior quality. The present water consumption from the city plant is about sixty gallons per capita per day. Kansas City uses twice that amount per capita, St. Louis uses three times as much a day as Tulsa, Pittsburgh with its filtered supply uses six times as much per day per capita as Tulsa. Great Falls, Mont., half the size of Tulsa, uses 12,000,000 gallons per day as compared to Tulsa's 4,000,000. Many cities after procuring a pure supply of water have doubled their water consumption and have practically eliminated the sale of bottled water.

Mr. McDonnell contends that the sale of bottled water is an injustice and a burden to the majority of waters users inasmuch as the city should provide pure wholesome water to every citizen and not be compelled to buy bottled water which is rarely as pure as a mountain stream.

Designed Muskogee Plant

Mr. McDonnell designed the present water supply for Muskogee in 1901 and made an extensive examination of all the supplies available at that time. He investigated fully the Grand river and made measurements of the Spavinaw that year which is reported to be the driest year on record in Oklahoma. His measurements showed even at that dry period a sufficient supply for a city of 300,000 people.

The Spavinaw was not utilized by Muskogee because of the cost. The Grand river was used as it was only seven miles away, but the water from the Grand requires constant treatment for the removal of mud and dead fish which are killed often by the milling operations along the Grand river.

In comparing the cost of the Spavinaw project with similar projects that have been designed and supervised by Mr. McDonnell's firm he reports that the unit costs are liberal and that Tulsa can safely construct with good permanent material the pipe line dam, river crossings and other parts within the bond issue. Mr. McDonnell's firm has just completed a hydro-electric plant across the Des Moines river at Fort Dodge, Iowa, for the city similar to the Spavinaw project, in which the power generated is used for the city pumping and the surplus power is sold by the city to the local distributing company. This municipal plant at Fort Dodge saves the city $45 per day in fuel alone.

Mr. McDonnell has designed over 20 water plants in Oklahoma alone and speaks from a personal knowledge of the cost of work and the manner in which the projects should be handled. He believes that if the bonds are carried all of the engineering details should be carefully worked out by an experienced engineering firm in order to assure the public of producing good safe structures.

City at Turning Point

Tulsa has, in the opinion of Mr. McDonnell, reached a critical point in its growth and the procuring of an abundant supply of good pure water will give assurance to the citizens and settle for all time the feeling of uncertainty as to the future safety of Tulsa's position as the Metropolis of the southwest.

A good supply of pure water means encouragement to home builders. It means the procuring of new and large industries. It is absolutely essential to a housewife to have safe, clean and pure water for all domestic use, and no matter what the cost it is well worth the price. It means added growth and future prosperity to Tulsa more than any other public project ever inaugurated for the city.

REMOVE 8 BODIES FROM COAL MINE

CONTINUED FROM PAGE ONE.

cident, as all chambers were reported free of gas this morning.

William Jones, superintendent, is in the shaft working with the rescue men. He is the only one who will not accept relief from the miners above ground.

There were 167 men in the mine at the time of the explosion. All but the rescue workers and those entombed have been accounted for.

Hair Made Beautifully Wavy While You Sleep!

Just think, girls! You apply a little liquid silmerine at bedtime and in the morning your hair has a prettier wave and curl than probably it has ever had. The waviness looks perfectly natural, and the hair is sleek and glossy like plush. It will remain in curl the longest time, regardless of heat, wind or moisture, and you won't have to be continually fussing with loose strands or flying ends.

Liquid silmerine is of course entirely harmless. It leaves no sticky, greasy or streaky trace. It has the peculiar quality of drying in beautiful waves, crinkles and curls. It is also an excellent dressing for the hair, keeping it delightfully soft and silky. A few ounces from your druggist will last for weeks. It is best applied with a clean tooth brush, drawing this down the full length of the hair.—Adv.

WATCH THE COLOR OF YOUR SKIN

Yellow Means You Need Calotabs, the De-Nauseated Calomel Tablet That Is Purified From the Nauseating and Unpleasant Effects

Feel mean, look yellow? Your liver is out of fix! The poisonous bile is being retained in your system. You need a good dose of calomel for, it is the only thing that will do the work.

Why not try Calotabs, the new and improved calomel tablet that is as delightful to take as it is beneficial in cleansing the liver and purifying the system? Calotabs contain all the valuable medicinal qualities of calomel but are freed from the unpleasant and dangerous effects. One tablet at bedtime with a swallow of water—that's all. No taste, no griping, no nausea, no salts. You wake up in the morning feeling fine, with a clean liver and a hearty appetite. Eat what you please—no danger.

Calotabs are sold only in original, sealed packages. Price, thirty-five cents. The finest medicine in the world for biliousness, indigestion and constipation. So fine that your druggist is authorized to refund the price as a guarantee that you will be thoroughly delighted with Calotabs.—Adv.

NON-PARTISAN MEASURES WIN OUT IN N. DAKOTA

FARGO, N. D., June 30.—Complete returns from Thursday's referendum on the non-partisan league industrial program, made public today, show that the league program carried in 78 counties and lost in 12.

As a result North Dakota immediately will enter into the business of handling grain and manufacturing flour. It also will put into operation state bank farm credits to the extent of $10,000,000.

Other industries may be entered upon later without further legislation, for the industrial commission of the state is empowered to proceed with the establishment of any manufacturing or marketing enterprises having to do with the manufacture or marketing of farm products. With laws approved, the necessary administrative machinery for operation of the industrial system will be completely established at once.

ROADS BAD, SO HE WILL FLY TO TEXAS FIELDS

Because of present bad roads in Texas D. L. Brookins, local oil producer, and official of the Curtiss Southwest Airplane company, is taking an airplane to Wichita Falls this week for use in transporting himself to the oil field from Wichita Falls and return. A company in which Brookins is interested is putting in a pipe line near Wichita Falls.

During the past three weeks the Curtiss Southwest Airplane company of this city has operated, accounting to one and one-half airplanes daily, according to Mr. T. Campbell, service manager.

Three weeks ago the company purchased 27 airplanes and a lot of used government planes in Texas. Since that time the company has sold to purchasers ranging in price from $2,500 to $4,000.

One of the machines was sold into Missouri, one into Idaho, Bilderback, Kans., and one into Dewey, Okla. A deal is now under way involving a machine sale to a man in Boonville, Mo., and the local firm also has agencies in Fort Worth, Waco, Wichita Falls and Dallas.

Yes; S. S. S. Is Purely Vegetable; Nature's Safe Blood Treatment

Known for 50 Years as the Best Remedy for Rheumatism, Catarrh and Skin Diseases.

Scientists have discovered that the Creator and the field are abundantly supplied with vegetation of various kinds that furnish the ingredients for making a remedy for practically every ill and ailment of mankind. Medicines made from roots, herbs and barks which nature has placed at the disposal of man, are better than strong mineral mixtures and concoctions. Mineral medicines work injuriously on the delicate parts of the system, especially the stomach and bowels, by eating out the lining membrane, producing chronic dyspepsia and often entirely ruining the health.

S. S. S. is made up entirely of gentle acting healing, purifying roots, herbs and barks, possessing properties that could act on all parts of the system, in addition to removing all impurities and poisons from the blood. S. S. S. is a safe treatment for Rheumatism, Catarrh, Boils and Eczema, Skin Diseases and all disorders of the blood. It invigorates the entire system and its permanent use in S. S. S. as and drug store today. It is a standard remedy recognized everywhere as the greatest of blood medicines ever discovered. If you have a peculiar case write to Medical Department, 161 Swift Laboratory, Atlanta, Ga.—Adv.

6% to 9¼%

Paid on Savings Accounts. Open your account now. Interest paid from date of deposit.

Tulsa Union Loan & Savings Ass'n.

Phone 5254. 8 East Fifth St.

NUXATED IRON A DRIVING FORCE BEHIND KEEN SUCCESSFUL MEN AND WOMEN

When you think of the successful men and women you know—people who are doing things worth while—you will find that they possess force, vim and energy—the kind that simply brim over when the blood is filled with iron. Nuxated Iron by enriching the blood and creating new red blood cells, strengthens the nerves, rebuilds the weakened tissues and helps to instill renewed force and energy into the whole system. Three million people use it annually as a tonic, strength and blood-builder.

MAKE THIS TEST

See how long you can work or how far you can walk without becoming tired; next take two five-grain tablets of Nuxated Iron three times per day after meals for two weeks. Then test your strength again and see how much you have gained. Numbers of nervous, run-down people who were ailing all the while have most astonishingly increased their strength and endurance simply by taking iron in the proper form.

Carlisle Tires Sturdy Rope OK

Muller Tire & Rubber Co.

112 South Boulder Ave.—Phone 320

BESSIE JONES

a colored girl of Houston, Texas, gives Nelson's credit for her long, silky hair.

Send us your photograph if you use NELSON'S.

"NELSON'S will make you proud of your hair"

If you want your hair to be admired, use

Nelson's Hair Dressing

Nelson's is the original and genuine high-grade hair dressing. For more than 60 years it has been the favorite with the particular colored people of the United States.

Nelson's is fine for the scalp, relieves dandruff, and makes the hair grow. It makes stubborn, curly hair soft and easy to manage.

Take this advertisement to the drug store and be sure to get the genuine NELSON'S

Nelson Manufacturing Co., Inc.

RICHMOND, VA.

Livingston Oil

reports 3,500-barrel gusher, on its lease, Northwest Extension, Burkburnett Field, Texas;

15 more wells drilling and 20 additional locations on its leases in the same field, all practically offsets to, and surrounded by "gushers." They should be finished within 40 days, and if the results are only approximately what the Company is justified in expecting, a very large increase in production should be obtained; possibly 5,000 to 10,000 barrels settled production daily.

The Company also reports 100-barrel well, on its lease, Coweta Field, Okla.

9 additional wells are being drilled, and 25 more wells, practically offsets, are to be drilled on the Company's Oklahoma acreage.

Over 20,000 Acres, Texas, Oklahoma. Large Production and Earnings. Refineries. Dividends 3 per cent Quarterly.

Traded in on the New York Curb

Descriptive Circular and Maps on Request

C. D. Knapp Jr. & Co.

Established 1900

INVESTMENT BROKERS

Singer Building New York

The statements herein, while not guaranteed, have been obtained from what we consider to be reliable and authoritative sources.

Boston Shoe Shop

$1.35

What is home without a pair of soft and easy Boudoir Slippers?

We have the kinds that are shapely and comfortable, at easy prices.

Pretty black Boudoir Slippers, hand turned soles and pom pom's. The Boston's price $1.35

68 Upstairs Stores in 50 Cities.

BOSTON SHOE SHOP

320½ S. Main.

Upstairs, Over Woolworth's.

Why Not Make This 4th of July Your Emancipation? Why Not Lift Your Yoke of Extravagance and High Prices?

EMANCIPATE YOURSELF FROM THE HIGH COST OF LIVING BY TRADING AT THE

Union Dept. Store

112-114 South Main Street, Tulsa, Okla.

HOPE MUSLIN **24c**	MADE IN TULSA APRONS **$1.48**	WOMEN'S HATS **$2.48** and up	SILK DRESSES **$4.98**
36-IN. PERCALE **24c**	MEN'S UNIONALLS **$2.50**	MEN'S SHOES **$2.12** and up	WASH SKIRTS **98c**
SPORT SHIRTS **59c**	MEN'S OVERALLS **$1.50**	WOMEN'S SHOES **$2.12** and up	CHILDREN'S HOSE **8⅓c**
ATHLETIC UNION SUITS **59c**	BOYS' OVERALLS **50c**	WOMEN'S OUTING SHOES **89c**	MANY BARGAINS ON OUR BIG **1c** TABLE
MENS' HOSE **$1.00** Per Doz.	BOYS' UNIONALLS **$1.25**	CHILDREN'S SHOES **23c** and up	HOUSE SHOES **98c**
WOMEN'S HOSE **14c** a Pair. Two for 25c	MEN'S PANAMA HATS **$2.50** and up	27-IN. DRESS GINGHAM **19½c**	MEN'S, WOMEN'S AND CHILDREN'S BATHING SUITS **25c, 50c** and up
200 PAIRS PERFORATED SHOES **$2.89** worth $4.89			

Union Dept. Store

112-114 South Main Street, Tulsa, Okla.

BLACK-DRAUGHT

Torpid Liver

A torpid or inactive liver causes many ailments, due to the poisons left in the system which the liver ought to filter out.

Constipation is one of the results of a torpid liver and often results in sick, bilious headache, gas, pain and other disagreeable symptoms.

The herbs and roots of which Thedford's Black-Draught is composed act in a natural stimulating manner on the liver and soon help to put it into good working order again.

For upwards of 70 years Black-Draught has been in use for just such troubles and has given constant satisfaction to its thousands of users.

Rev. J. M. Brown, of Blairsville, Ga., writes:

I have used . . . Black-Draught for 30 years . . . with much benefit. Find it good in different stages of colic. Good for torpid liver. Taken at bed time, it induces good, restful sleep. I find it fine for indigestion and in generally toning up the system. It pays to keep Black-Draught on hand in cases of emergency. I truly recommend Black-Draught.

REV. J. M. BROWN, Blairsville, Ga.

Liver Medicine