

MARION LAKE POWER URGED

Portland Engineer Tells of Possibilities for Industrial Development.

Marion lake, in eastern Marion county is ready to deliver 18,000 electrical horsepower to Salem, if it can be harnessed and brought under control, according to Engineer J. G. Kelly of Portland who spoke Wednesday noon at the Rotary club luncheon.

Mr. Kelly has been working on this matter for some years. He has the water readings for every day for five years and knows just what the streams will yield.

There is a flow of 160 cubic feet a second out of Marion lake. The lake itself stands at an elevation of 4500 feet, and by a conduit four miles long the water can be delivered with a fall or working head of 1455 feet, one of the finest power situations in the United States. This would be more than 10 times the height of Niagara.

The lake could be used as it is now, but a 40-foot rock dam at the outlet of the lake would create a storage that would equalize the water flow and give a constant output of 25,000 theoretical horsepower, or 18,000 horsepower delivered over a 66-mile transmission line to Salem. This dam alone would cost \$110,000. The conduit line from the dam to the power station four miles down the stream, would be a wood-stave pipe 66 inches in diameter, and would cost \$328,000.

A railroad 7.6 miles up the north fork of the Santiam, and then an auto road eight miles farther to the power plant, and a wagon road the other four miles to the dam, would cost \$110,000. The transmission line to Salem would cost \$330,000.

Power would be produced directly by three high-pressure Pelton water wheels, operating under 14000-foot heads, or almost 60 pounds to the square inch. This has not more than one of two equals in the United States for the available heads. It substitutes velocity for quantity in the production of horsepower.

The Salem paper mills alone use approximately \$150,000 worth of power annually, and all the other power needs of the city run the rest of power into imposing figures. Mr. Kelly has figured out that with such a plant directly tributary to Salem, it would be possible to use electricity for cooking or even for heating. The cost of current on the basis of developing the whole Marion lake power is estimated at 2.2 mills per kilowatt hour, which would make it feasible for heating purposes if all the power were used all the time. The initial investment for this plant would be about \$2,160,000, or about \$120 per kilowatt which is one and one-third horsepower.

The speaker estimated that with such a power delivered in Salem, the city could do almost whatever it wanted to do in an industrial way. In Tacoma similar houses are heated by similar low-priced municipal electrical power, than any other city in the United States. Seattle is planning to bring in 500,000 electrical horse-

power. The best figures that Seattle has been able to get from its present plants, however, is a minimum of 3.6 mills per kilowatt hour, as against the estimated cost of only 2.20 mills for the full development of this Marion lake power delivered to Salem, more than 60 per cent higher than the local figures.

Marion lake covers an area of 350 acres at its normal level. With a 40-foot dam this would be increased to 573 acres, and it would impound between 9000 and 10,000 acres of water, enough to carry the plant through every extreme of weather during the most fluctuating year.

Lumber Production 13 Per Cent Over Normal

One hundred and forty-one mills reporting to West Coast Lumbermen's association for the week ending March 17, manufactured 107,566,406 feet of lumber; sold 115,128,853 feet; and shipped 122,936,572 feet.

Production for reporting mills was 13 per cent above normal. New business was 7 per cent above production. Shipments were 7 per cent above new business.

Forty-four per cent of all new business taken during the week was for future water delivery. This amounted to 51,164,995 feet, of which 42,558,728 feet was for domestic cargo delivery, and 8,806,267 feet export. New business for delivery by rail amounted to 1949 cars.

Thirty-four per cent of the week's lumber shipments moved by water. This amounted to 41,962,715 feet, of which 34,871,667 feet moved coastwise and inter-coastal; and 7,091,048 feet overseas. Rail shipments totaled 2516 cars.

Local auto and team deliveries totaled 5,493,857 feet.

Unfilled domestic cargo orders total 173,726,652 feet. Unfilled export orders, 90,246,173 feet. Unfilled rail trade orders, 10,710 cars.

In the first 11 weeks of the year, production of West Coast lumbermen's association mills has been 986,350,423 feet; new business 1,178,480,432 feet.

GYMNASIUM PLAN IS PRESENTED

Tentative Sketches Submitted by Representatives of Architect.

Tentative plans were presented on Wednesday for the new Willamette university gymnasium, when Architect Doyle of Portland sent his representative to Salem to confer with the local university authorities.

The plans as submitted call for a building with 130-foot frontage and 114 feet deep, to be set back a little to the south from where the old gymnasium stood, so as to utilize the ground close to Mill creek. There is a full ground floor, which has the showers, dressing rooms, lockers, store rooms, and the general working quarters of the gym. The men's and women's departments are separate, though with much of the same equipment. A pool 26 by 50 feet is provided for at the back of the building, entirely apart from the regular structure, however. This will have separate entrances from the men's and the women's quarters.

On the next floor will be the offices of the physical directors, the men on one side and the women on the other. There will be some class rooms, four in all, for general class use, ticket office, a boxing room, a handball court, and other necessary facilities. The main gymnasium opens out on this level, a floor 75 by 116 feet in size. This will give approximately the same floor surface as the present Salem armory, though without the balcony. It can be seated by knock-down bleachers, the same as the armory, though these can be better arranged. There will be a balcony, a recess, over the office rooms of this main floor that can seat 200 to 250 people. It will give a very satisfactory seating capacity for big games. There are some class rooms provided on the balcony floor over the offices in the part not occupied by the balcony. As this space, including the balcony, is 116 by 29 feet, it will offer space for a good many utilities.

There has been no careful check-up on the probable cost of the structure as proposed. The plans have not been adopted, but they are very satisfactory to the university authorities. An unauthorized estimate has been made that the swimming pool alone will cost \$10,000. If it does, it is understood that it will not be built this year, though a place will be left for it at any later time. The new design shows much change from the design at first talked of. It is very compact and well worked out for the proper proportions of space for the various needs, and the plan seems to meet the present university requirements. If it should fall in adequate floor space, a very few hundred dollars would provide adequate space for much of the practice, and a covered track could supplement the gym so as almost to double the gym capacity proper.

IF BACK HURTS FLUSH KIDNEYS

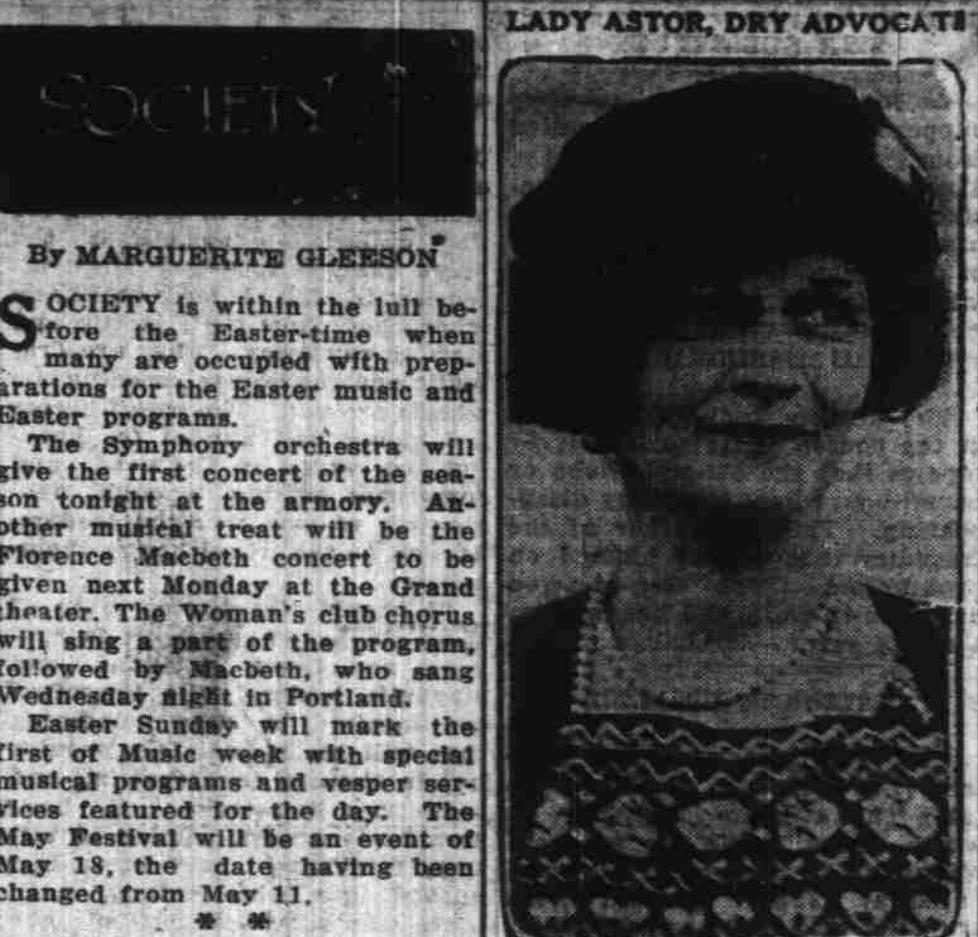
Drink Plenty of Water and Take Glass of Salts Before Breakfast Occasionally.

When your kidneys hurt and your back feels sore, don't get scared and proceed to load your stomach with a lot of drugs that excite the kidneys and irritate the entire urinary tract. Keep your kidneys clean like you keep your bowels clean, by flushing them with a mild, harmless salts which helps to remove the body's urinous waste and stimulate them to their normal activity.

The function of the kidneys is to filter the blood. In 24 hours they strain from it 500 grains of acid and waste, so we can readily understand the vital importance of keeping the kidneys active.

Drink lots of good water—you can't drink too much; also get from any pharmacist about four ounces of Jad Salts. Take a tablespoonful in a glass of water before breakfast each morning for a few days and your kidneys may then act fine. This famous salt is made from the acid of grapes and lemon juice, combined with lithia, and has been used for years to help clean and stimulate clogged kidneys; also to neutralize the acids in the system so they are no longer a source of irritation, thus often relieving bladder weakness.

Jad Salts is inexpensive; cannot injure; makes a delightful effervescent lithia-water drink which everyone should take now and then to help keep their kidneys clean and active. Try this; also keep up the water drinking, and no doubt you will wonder what became of your kidney trouble and backache. By all means have your physician examine your kidneys at least twice a year.—Adv.



LADY ASTOR, DRY ADVOCATE

SOCIETY is within the lull before the Easter-time when many are occupied with preparations for the Easter music and Easter programs.

The Symphony orchestra will give the first concert of the season tonight at the armory. Another musical treat will be the Florence Macbeth concert to be given next Monday at the Grand theater. The Woman's club chorus will sing a part of the program, followed by Macbeth, who sang Wednesday night in Portland.

Easter Sunday will mark the first of Music week with special musical programs and vesper services featured for the day. The May Festival will be an event of May 19, the date having been changed from May 11.

Mr. and Mrs. Harry M. Styles have moved into their new home at 780 North Summer street. Mrs. Styles has a lovely studio arranged in the new home where she will meet her classes.

The first scene will be Japan, and the Japanese girls will be Neva Stolzeheise, Leona Fournier, Buelah Roberts, Virginia Holt and Brenda Savage. Iris Brown will be Betty for this part, and Frederick Blatchford, Bob. The Whisper Song, by Buelah Roberts, closes this scene.

The Korean scene will be given by Doris Phenice, Dorothy Moyer, Evelyn Young, Dorothy Burns, and Olive Oppen as Betty, and Everett Bennett as Bob. The song, "Jesus Loves the Little Children," will conclude the scene.

A Christmas in China is the next part. Isabel Huston, missionary; Chinese girls, Wilma Ausman, Lorraine Robbins, Helen Brethaupt. Betty this time will be Maybel Ely, and Bob, Robert Huston. Song, "Joy to the World."

A peep at the Philippines will show the following children dressed in the costumes of the country. Dorothy and Merriman Maxwell, Clara Sanders, Grace Rose, John Ely, Walter Johnson, Helen Brethaupt as Betty and George Burns, Bob. Pantomime, "That Sweet Story of Old," Elois White and Buelah Roberts.

A peep at India will show ten Indian nurses, Annabelle Hawley, Grace Elizabeth Holman, Fern Colwell, Frances Reid, Blanche Reece, Chrystalee Maxwell, Helenita Cameron, Ethel Nichols, Alida Fleming, Mildred Moyer, and Lois Moyer. Lucille Ward is Betty, and Earl Ausman, Bob. "An Indian Girl's Meditation," Dorothy Burns, Song, "Saviour Like a Shepherd."

Africa will disclose the missionary, Margaret Barquist, Frances Burns as Betty and Chester Oppen as Bob. The finale will be the song, "America the Beautiful."

The social meeting of U. S. Grant circle No. 5, Ladies of the GAR, will be held at the home of Mrs. Lorena Pratt, 200 South Fourteenth street, Saturday afternoon, March 24. Mrs. Hattie Halvorsen and Mrs. Ardel Lawrence will assist the hostess.

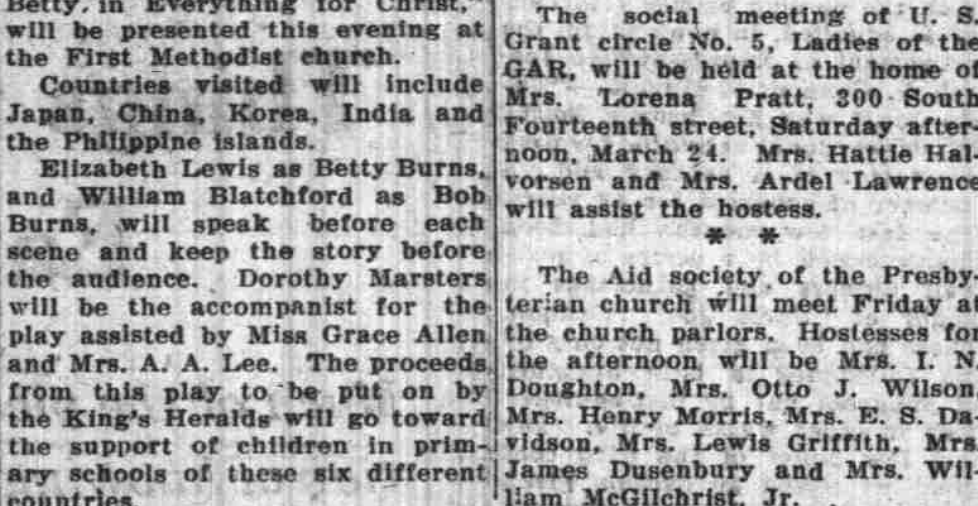
The Aid society of the Presbyterian church will meet Friday at the church parlors. Hostesses for the afternoon will be Mrs. I. N. Doughton, Mrs. Otto J. Wilson, Mrs. Henry Morris, Mrs. E. S. Davidson, Mrs. Lewis Griffith, Mrs. James Dusenbury and Mrs. William McGilchrist, Jr.

White-of-Egg in Calumet a Vital Element Most Baking Powders Lack

Don't use a leavener that does not contain white-of-egg. When you do you take chances—you run the risk of spoiling your bakings.

Remember the white-of-egg in Calumet protects the success of your bakings. It is the economical positive bakes-day aid and its sale is 2 1/2 times as much as that of any other brand.

A pound can of Calumet contains full 16 ounces. Some baking powders come in 12 ounce instead of 16 ounce cans. Be sure you get a pound when you want it.

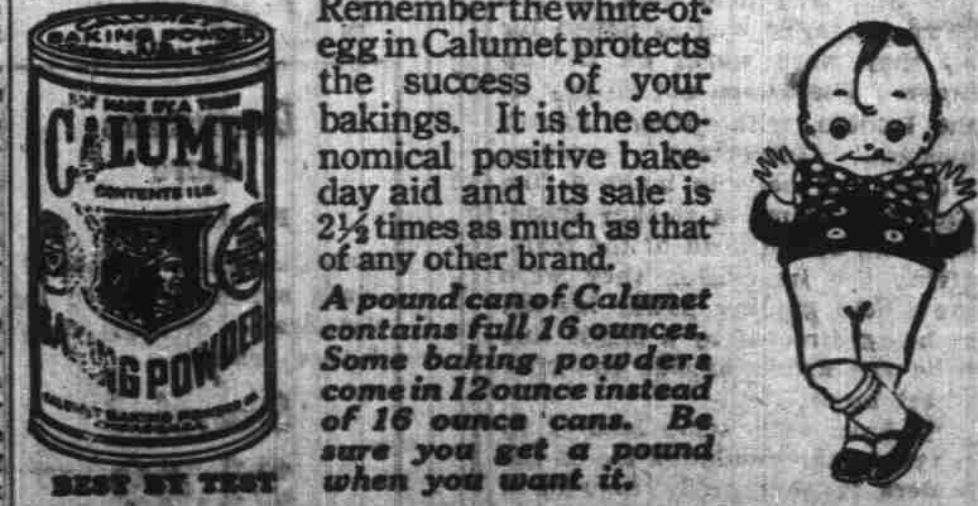


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CALUMET The Economy BAKING POWDER

contains a small amount of white-of-egg. This makes it possible for representatives of the company to test it frequently for leavening strength—right on the dealer's counter. Nothing but absolutely fresh stock is permitted to remain on the dealers' shelves. It must always be up to the high Calumet standard.



THE WORLD'S GREATEST BAKING POWDER

Author and Lecturer to Speak at Local Chamber

Frank Ober, author and lecturer, is to speak the night of March 28 at the Chamber of Commerce on the general subject of "What Life Looks Like in Asia Minor." Mr. Ober presents three reels of wonderful human-interest story as a movie, besides many other views of the warships, the people, the cities, the home life, and everything that might interest from the Asian west. He has some thrilling pictures of the burning of Smyrna by the Turks, and others from Jerusalem, Nazareth, and Bethlehem and all over the Syrian country.

N. C. Kafoury of Salem once lived in Beirut, and has visited all these places mentioned, besides many others. He is taking a great interest in having the people of Salem turn out to see and hear the story.

"Avoid that which you would blame others for doing," says a writer. "Following that rule a man couldn't kiss his own wife.—Boston Transcript.

SCOTT'S MILLS NEWS

SCOTT'S MILLS, Or., March 22.—Mrs. Charles Losinger had the misfortune to fall down while going down town one day last week, injuring herself quite badly.

Mrs. Ed Seaman of Marquam visited at the J. C. Jennings home Tuesday and Wednesday.

G. W. Myers, Oscar Striker, J. C. Jennings and Mrs. Marie Phillips attended the wrestling match in Portland Wednesday evening.

Mrs. Henry Briggs is ill.

Mr. and Mrs. Arthur Adkins and two children and Mr. and Mrs. Eugene Adkins of Portland spent the week-end visiting at the S. D. Adkins home.

Mr. and Mrs. Myers of Silverton visited her sister, Mrs. Moberg and family, here Sunday.

While Mrs. A. M. Scott was driving to Salem Sunday with relative little Teddy, 3 years old, had the misfortune to fall out of the car. Mrs. Scott jumped out after him. Both received minor bruises.

The dance held in Myers' hall Saturday night was well attended. Several carloads of people from

here attended the show at Silverton Sunday evening.

Butte Creek Lumber company started logging the first of the week after about two years' shut-down.

Willard Kellis of Salem is visiting relatives here.

Mrs. G. W. Myers, Mrs. J. C. Jennings, Mrs. Nellie Amundson, Mrs. Nellie Haines and Mrs. Leda Brougher visited at the Ivan Smith home Sunday.

Professor and Mrs. Payne visited in Salem Saturday and Sunday.

Mr. and Mrs. Guy Shafer of Molalla are moving into the Cal Dewey house. Mr. Shafer has work with the Butte Creek Lumber company.

Mr. and Mrs. C. D. Hartman visited relatives in Silverton Sunday.

Mr. and Mrs. H. E. Magie were Salem visitors Monday.

Mrs. W. T. Hogg and daughter Doris returned home Sunday after spending the week-end in Salem visiting relatives.

Mr. and Mrs. Floyd Shepherd and sons Paul, Marvin and Bobbie, visited relatives in Silverton Sunday.

Mr. and Mrs. Allan Bellinger were in Salem Friday on business.

Mrs. James Mathina and Mrs. Eugene Adkins of Portland visited at the S. D. Adkins home last week.

Mr. and Mrs. Paul Sloan of Ida-

ho were visiting the former's parents, Mr. and Mrs. E. H. Sloan.

Mr. and Mrs. J. H. Kinser and daughter Nell visited in Silverton Sunday.

Mr. and Mrs. Albert Rich visited with Mr. and Mrs. I. D. Worden in Silverton Sunday.

The funeral services of Rudolph Meyer, who passed away at his home here Saturday, March 17, was held Monday afternoon in the IOOF hall. Mr. Meyer was 51 years old. He leaves his wife, two daughters and one son, besides a host of friends. Interment was in the IOOF cemetery, the Odd Fellows, of which he was a member, conducting the services at the grave.

SKAGGS Cash

Money Saving STORES stores

COMPOUND SAVING

Like Compound Interest is of greater value than the ordinary rate of saving.

Your savings automatically increase every month when you buy at SKAGGS for, with the addition of many new Skaggs Stores each month our purchasing power grows greater and greater, resulting in Compound Savings for our patrons.

Thousands of Salem families are today, sharing in these savings.

SKAGGS EVERY-DAY PRICES

CANE SUGAR	SOAP, etc.
12 lbs. \$1.00	23 bars Crystal White Soap \$1.00
100 lbs. \$8.99	3 Creme Oil Soap 20c
	3 large Lava Soap 27c
	2 tins SKAT (gets the grease) 25c
	2 large Seafoam 45c
	2 large Citrus 49c
	RAISINS
	3 lbs. Sunmaid Seedless Raisins 33c
	25 lb. box S. M. Seedless Raisins \$2.75
	3 Pkgs. Sunkist Seeded Raisins 43c
	CREAMERY BUTTER
	Best Butter, lb. 43c
	2 lbs. Best Butter 85c
	GEMNUT (Margarine)
	3 lbs. Gemnut 59c
	CANNED GOODS
	2 cans Lily Valley Sifted Peas 45c
	2 cans Lily Valley Corn 38c
	2 cans Lily Valley Corn, Gold Bantam 45c
	2 cans Lily Valley String Beans 45c
	Small Lima Beans-No. 2 tins 15c
	Small Utah Sugar Peas... 25c
	Fancy Oregon Tomatoes, large 2 1/2 tins 11c
	6 Fancy Oregon Tomatoes, large 2 1/2 tins 63c
	4 cans Std. Maryland Corn 39c
	4 cans Montana Peas—Bitterroot 59c
	2 cans Iowa Golden Iris Corn 25c
	3 cans (20 ounce) Mince-meat 25c
	MISCELLANEOUS
	3 full lb. pkgs 25c
	2 lbs. No. 1 Soft Shell Walnuts 49c
	Brookfield, full Cream Cheese lb. 29c
	Tillamook Cream Cheese, lb. 32c
	3 pkgs. A. & H. Soda 25c
	2 Yeast Foam 15c
	5 cans Oil Sardines 49c
	BREAD
	Full Pound Loaf 5c

Buy them by the box

No. 5 Soda Crackers 50c
No. 5 Snowflakes 60c
No. 5 Grahams 75c

“SALEM'S MOST SANITARY GROCERY AND MARKET”

FREE DELIVERY on orders amounting to \$5.00 or more in the city (sack sugar excepted). Orders of less amount delivery charge one dime. No additional delivery charge for orders on Fairview Ave., or West Salem. Order your meats and groceries together.

SALEM, ORE. PHONE C. O. D. ORDERS 478

CHERRO Poultry Feeds

Saves Chicks and Money, use it. The lowest fibered feed on the market.

CHERRO Stock Feed

For results and big cream check.

CHERRO Flour

For good bread and more loaves.

THE NEW CHERRO Pancake Flour

Saves Mother work. They are so easy to make and taste so good.

Seed Wheat and Oats

CHERRY CITY MILLING CO.

Salem, Oregon