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COX WILL TAKE STUMP IN EAST

ROOSEVELT TO BEGIN ON WEST COAST

Campaign Planned to Be Launched on Aug. 15—Expenditures Will Get Full Publicity, Republican Senate Leader Agrees

(By United Press to The Bend Bulletin)
COLUMBUS, OHIO, July 21.—The democratic stump campaign will be opened in the middle west and east by Governor James M. Cox, and in the extreme west by Assistant Secretary of the Navy Roosevelt, about August 15. Governor Cox stated today that the plan represents the consensus of opinion of the democratic national committee, and will undoubtedly be followed.

The democratic presidential candidate said that he expected to carry the campaign into the west early in September.

The demand of Democratic Nominee Cox that full publicity to the source of campaign funds be given by the senate investigations committee, will be granted "with pleasure," Senator Lodge, republican senate leader, declared today. Lodge is here to attend a meeting of the republican national executive committee.

Vain Acquisition.

"Some men gets a heap of education," remarked an old colored philosopher. "Just as some people gets a whole lot of bait without ketchin' any fish."—Boston Transcript.

TWO U. OF O. MEN ON OLYMPIC TEAM

Tuck of Redmond, and Bartlett of Estacada Win Right to Compete At Antwerp.

(By United Press to The Bend Bulletin)

UNIVERSITY OF OREGON, Eugene, July 21.—Two University of Oregon athletes, William Kenneth Bartlett, of Estacada, and Arthur Tuck, of Redmond, have been selected as members of the United States track team to compete in the Olympic games at Antwerp, Belgium. They were named following the Olympic tryouts held last Saturday in the Harvard stadium at Boston in which they competed against athletes from every section of the country. Bartlett placed second in the discus in the national tryouts, and first in the junior amateur athletic association championship held the day before, establishing a new junior record in the event.

Art Tuck, youthful phenom, who has been at the University only one year, was chosen largely on account of his past record in the javelin.

Record of Transfers

FURNISHED BY THE DESCHUTES ABSTRACT COMPANY.

La Pine Townsite Co. to Geo. E. Smith, Lot 3, Blk 17, and Lot 10 Blk 27, La Pine. \$10.00.

Frank W. McCaffery to Sylpher B. Roe, Lot 2, Blk 43, Redmond. \$10.00.

The Bend Co. to Earl Johnson, Lot 16, Blk 4, Mill Addition. \$10.

Earl Johnson to W. O. McClellan, Lot 16, Blk 4, Mill Addition. \$100.

DILMAN CAVE MIGHT DRAIN RIVER WATER

(Continued from Page 1.)

west, in Spring river and Fall river, two lava tunnels are tributary to the reservoir; and it is a natural thought that the eastern tunnel, which is dry so far as explored, may, farther down the slope, become the channel of an outlet stream. The recommendation is, therefore, repeated that this tunnel should be surveyed, with the special object of determining the location and elevation of its lowest accessible point. Also, since it is obstructed, so far as now known, only by loose sand, it appears advisable to follow it a little farther with the aid of a shovel and wheelbarrow. We found the tunnel, at the last, so damp as to suggest that it may be near the water table; and the definite determination of this point is certainly a matter of real moment. The apparent impossibility of finding out whether or not this is the only east side tunnel certainly suggests the advisability of extracting as much information as may be possible from this one; and beyond that we must rely upon the testimony of the canyon walls, according to which, all the way down the Columbia river tunnels of notable size are few and far between. It must be recognized, however, that since the most natural location for a tunnel is in the axis of the valley, a whole system of tunnels may have been effaced in the development of the canyon, a subterranean drainage system thus giving place to a sub-aerial system.

Should Run Flow Line.

"The Lava Butte flow, although geologically recent, is old enough to have witnessed the silting up of the deep Deschutes gorge and the development of an impervious floor over the greater part, at least, of the area of the proposed reservoir, the probability being that above the level where the silt falls, if it does fall, we still have more or less impervious clay soil resulting from the weathering of the basalt and of overlying volcanic ashes. It is unfortunate that we can not here write certainty instead of probability; but it may be that an entirely feasible series of tests would improve the situation.

Earth Dam Advised.

"A careful consideration of the dam problem and comparison of all the suggested sites, leads to the conclusion that an earth dam on Site "A" offers the maximum of advantage. In the construction of the dam it would be desirable to leave the river bed essentially intact and not attempt any excavation of the bed for a foundation, or for structural material, since the removal of material from either the bed or flood plain of the river would inevitably mean a weakening and deterioration of the site. The main problem, therefore, is as to the best and most available sources of materials for the construction of the dam above the existing surface. So far as rock work is concerned, the undermined and tumbled-down edge of the eastern basalt affords, right at hand, an ample supply. But if more or different material were desired, an inexhaustible supply is available in the rhyolite ridge. For a source of earth suitable for dam construction we may look to the river bed or flat; and, apparently, this is not necessary, since there seems to be an abundant supply on the rhyolite ridge available for either steam shovel or hydraulic excavation. A few well planted test pits would readily determine this point.

"To summarize: the rhyolite ridge is the one absolutely solid and tight formation of the Benham Falls series. It defines, locally, the margin of the plateau, and affords the natural dam site. The Columbia basalt forms a rigid and nearly level floor over hundreds of feet in depth of incoherent ash and sand. Through this basalt floor the river cut its gorge a hundred feet or more in depth and hundreds of feet wide.

Site Prepared By Nature.

"The lava of the Lava Butte eruption filled and dammed the gorge where the latter cuts through the rhyolite ridge and converted the broad and nearly level Deschutes Valley into a lake twenty miles or more in length. During the thousands of years required for the cutting by the river of its present notch across the rhyolite ridge, at the head of Benham Falls, thus slowly draining the lake, the gorge became filled with impervious silt, and obliterated as a topographic and hydrologic feature; and the lake basin outside of the gorge was pretty generally, if not completely, lined with similar materials.

"Thus, by natural processes, without which the case would be hopeless, the ground, we may believe, was prepared for a successful reservoir. The discharge at Benham Falls, compared with the watershed above that point, does not, it is believed, indicate any serious loss of water; on the contrary we have, in Spring river and Fall river, substantial gains.

Known Fault Outside Reservoir.

"All the time, however, we must keep in mind the possibility of undiscovered lava tunnels and faults, though reassured by the thought that these features are rare and that repetition within a limited area is improbable. The one known fault is quite certainly wholly outside of the proposed reservoir; and the known tunnel may yet prove to be not unfavorable to the proposed storage of water.

"Having, by long continued volcanic activity, done what she could to defeat the successful storage of water on the Upper Deschutes drainage, nature has, during the later ages, made amends by the slow and unobtrusive process of silt deposition.

"The Crane Prairie project is, undoubtedly simpler and more ideal than the Deschutes project, and would naturally be preferred but for the fact that the run-off is only one-fourth that at Benham Falls. A compromise scheme that may be worthy of some consideration combines the two projects; storing one-fourth of the total run-off on Crane Prairie and the other three-fourths above Benham Falls. This would reduce the height and strength of dam required at Benham Falls and leave above the flow-line the part of the reservoir area most open to suspicion as regards its tightness."

FARM POULTRY

DEMAND FOR GUINEA FOWLS

Value as Substitute for Game Birds Becoming Better Recognized by Many People.

The value of a guinea fowl as a substitute for game birds such as grouse, partridge, quail, and pheasant, is becoming more and more recognized by people fond of this class of meat, and the demand for these fowls is



Prime Young Guinea Are a Special Delicacy.

Increasing steadily. United States department of agriculture specialists report. Many hotels and restaurants in the large cities are eager to secure prime young guineas, and often they are served at banquets and club dinners as a special delicacy. When well cooked, guineas are attractive in appearance, although darker than common fowls, and the flesh of young birds is tender and of especially fine flavor, resembling that of wild game. Like all other fowl, old guineas are likely to be tough and rather dry.

A few large poultry raisers, particularly those within easy reach of the large eastern markets, make a practice of raising a hundred or so guineas each year, but the great majority of guineas are raised in small flocks of from 10 to 25 upon farms in the Middle West and in the South. Many farmers keep a pair or a trio of guineas more as a novelty than for profit, and from these a small flock is raised. The guinea fowl doubtless would be more popular on farms were it not for its harsh and at times seemingly never-ending cry. However, some people consider this cry an argument in the guinea's favor, as it gives warning of marauders in the poultry yard.

CARE OF GROWING CHICKENS

One of Most Important Factors in Raising Poultry During Summer—Keep Them Growing.

The care of growing chicks during the summer is one of the most important factors in poultry raising. The chicks may be hatched from strong, vigorous stock and carefully brooded; but unless they receive the proper attention during the warm months, their growth may be retarded. In other words, they should be so managed that they will mature into well developed fowls.

KEEP BIRDS FREE FROM LICE

Dust Thoroughly With Good Insect Powder or Apply Mixture of Vaseline and Mercury.

Examine the pullets and hens for lice, and dust thoroughly with a good insect powder or apply a mixture of two parts of vaseline and one part of mercurial or blue ointment, about the size of a pea, one inch below the vent of the bird, rubbing the mixture lightly on the skin. An application of this ointment two or three times a year will keep the fowls free from lice.



Destroy lice and mites.

Confine or sell all cockfolds.

Keep the nests clean and well littered.

Gather eggs frequently and keep them in a cool place.

Bread and milk make an excellent feed for young goslings.

Feed a well-balanced ration with plenty of variety and if possible give free range.

Eggs to be preserved should be strictly fresh, clean, unwashed, firm and free from cracks.

From 50 to 80 per cent of the chicks hatched die before they reach maturity. This loss can be greatly reduced by proper feeding and care.

The number of duck farms in this country is increasing, because of a widening of the market for young ducks, and this sort of poultry raising is growing more popular.

TRAMP'S LAST CENT SPENT FOR LICENSE

James Clark, knight of the road, had no license in his possession when found fishing in the Deschutes July 15 by District Game Warden H. McDonald. An hour later Clark had a license, but the \$1.50 had started on its way into the coffers of the state. Then Mr. McDonald procured a good-paying position here for him.

The only other case demanding attention locally yesterday was that of a minor boy, also engaged in fishing without a license. He was referred to the county judge.

TO DEVELOPE POWER AT SHEARER'S FALLS

SHEARER, ORE., July 21.—The falls of the Deschutes river which have been the site of nothing but a toll bridge and a white elephant hotel for the past 30 years, are to be harnessed soon by the Eastern Oregon Land company. Enormous potential electrical energy is now going to waste.

Put It In The Bulletin.

CLASSIFIED ADVERTISEMENTS

Classified advertising charge per line 20 cents for 20 words or less. One cent per word for all over 20. All classified advertising strictly cash in advance.

FOR SALE.

FOR SALE OR TRADE—320 acres deeded homestead, 50 miles east of Bend on Bend-Burns road in vicinity of Brothers, Oregon. For particulars write Chester E. Moore, Box 330, Bend, Ore. 18-21p

FOR SALE—One 3 1/2 Shultz wagon nearly new, and one 14 disc McSherry drill; priced right. Address Will Horsell, Alfalfa, Oregon. 96-21c

FOR SALE—Three Jersey cows. J. E. Hardwick, 6 miles northeast of Bend on Redmond road or write box 563, Bend. 87-21p

FOR SALE—4 room house with cellar, lights, water, garage, poultry house and yard, two large lots, on Albany ave; \$1200. Inquire A. O. Myers, Shevlin-Hixon round house. 75-21p

FOR SALE OR TRADE—40 acres, 30 acres water; 10 in cultivation, 15 acres trees pulled; 4-room box house; 7 miles from Bend; fenced. Inquire 118 Minnesota ave. 43-20-23c

FOR SALE—Bay team mares, 6 and 7 years old; sound, gentle and true; good logging or road team; weight 2900; also wagon and harness like new. Phone or see O. B. Caldwell, 4 miles east of Bend. 40-20p

FOR SALE—21 head of cattle, in good condition, some fat enough to kill; six cows, balance from 1 month to 2 years old; will sell cheap for cash if taken soon. C. H. Grafenberger, Millican, Ore. 58-20-21p

FOR SALE—A few good Durham Cows, some milking. Percival ranch, Millican, Ore. 54-20-21p

FOR SALE—960-acre stock, sheep or horse ranch; unlimited water supply and out range; all fenced; \$5000 will buy it. Write J. H. care of Bulletin. 50-20p

FOR SALE—Three good, young, fresh Holstein cows. J. A. Livingston, Redmond, Ore. 73-18-19c

FOR SALE—1917 Maxwell touring, new tires all around, \$600; must be sold at once; can be seen at Pioneer garage. 58-18-19p

EGGS FOR HATCHING—S. C. White Leghorns. Heavy winter layers, mated to Tanager cocks, of 230-250 egg strain, \$1.50 per 15. S. C. R. I. Reds, mated to high class cockerels from prize winning stock \$2 for 15. One third cash with order, balance on delivery.—Hofstetter's Poultry Farm, Tumalo. 97-511fe

WANTED.

WANTED—Six or eight Poland China pigs, just weaned; state price; also cow to milk for feed. Address Bulletin. 52-20p

WANTED TO BUY—5 shares Swallow ditch stock; \$15 per share cash. De Armond & Erskine, 12-19p

ANYONE, looking for help, inquire of Miss Markel of the Bend Commercial club, at the city rest room. 31-171fe

ANYONE, looking for employment on farms, see Miss Markel of the Bend Commercial club, at the city rest room. 32-171fe

LOST

LOST—Chestnut sorrel mare, weight about nine hundred, has bell on with double strap, branded on left shoulder with very dim E S wrench brand. Notify James Whitlock, Shevlin-Hixon Camp 2, or Antone Aune at Aune's barn, Bend. 70-21-22p

LOST—Two sheep, branded circle cross and M L diamond. Phone 114 Tumalo or write Blaine Meyers. 97-21p

LOST—July 11, three calves; 1 red heifer, small horns; 1 black steer, small horns; 1 black bull calf without horns. Finder notify Anton Rosengart, 8 miles from Bend on Alfalfa road. 78-21p

Strong Words From A Strong Man:--

"The man who cannot and does not save money, cannot and will not do anything else worth while."--Andrew Carnegie.

Consider this advice seriously and then start your Savings Account tomorrow at

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