

MAYOR FAVORS CORAL ROAD IN HAKIPUU BELT

Says Big Saving of Money and Time Will Result in Substitution for Concrete

Referring to the question of changing the proposed construction of the three and a half mile stretch of road in the Hakipuu section of the round-the-island highway, and making it coral instead of concrete, as suggested editorially in the Star-Bulletin yesterday, Mayor Lane says that he believes the plan has much merit, and that he would be glad to have it considered by the supervisors before the concrete road is begun.

"I do not think it is too late to make the change yet," says the mayor, "and when one considers the saving made by a coral road rather than a concrete road, it is worth much discussion at least."

"I do not believe that the road would cost more than \$10,000 a mile if built of coral," continues the mayor, "and at that I am placing that very high. Perhaps it would not cost more than \$7,000 or \$8,000. The Waialeale-Papua area stretch that is now practically complete proves that coral makes a beautiful highway, as anyone will admit who has ridden over it."

"Suppose that we save from \$30,000 to \$35,000 by changing from concrete to coral, to say nothing of the saving of time that the road would necessarily be closed to traffic, would not that be worthy of consideration? We could take this amount of money and put it into the so-called spoiled road this side of the Hakipuu stretch. May Be Closed Long Time."

"It is estimated," says the mayor, "that the road at Hakipuu will have to be closed to traffic for three months at least and that is a very conservative estimate. It is possible that it will take two or three times that long when work is once begun with the concrete."

"On the other hand coral road work does not close the road to traffic at all. The rule of coral construction is that the more traffic there is upon it, the better it proves for the road," says the mayor.

It is understood that several of the supervisors who have already voted to build a concrete road have now come to favor the other plan, their opinions having been expressed to this effect since the visit to the section last Saturday.

According to men experienced in road work, coral needs much water, after which it softens and works together much like cement. Hakipuu section sees much rain and if rain water is not sufficient a man with a water wagon could be kept on the road, getting his water from the nearby sea. It is possible that some discussion of the plan may be brought up at the meeting of the supervisors tonight.

"Concrete is the best road that can be put on the Hakipuu section," says Engineer Whitehouse, "but coral would be highly satisfactory. It will wear from five to six years without repair, and will cost only about \$5,500 or \$6,000 a mile. If the supervisors want the change to be made, it is up to them."

"By using coral we will not need to shut off traffic at any time, and by using concrete we will have it shut off almost continuously for several months, as we come to each place that is too narrow to build around. It is not too late to make the change if the supervisors decide for it."

NAB AN CHOY FOR FORGING OPIUM PERMIT BLANKS

(Continued from page one)

otic form books of other physicians it was found that blanks had been taken from books of at least four. All clues pointed to Choy as the thief. That the detectives were right in looking for Choy was made certain when several Chinese located by the officers told District Attorney McCann they had seen Choy sign the blanks. Later the pen and bottle of ink used by Choy were brought in to headquarters.

Detective McDuffie put his force at the disposal of the internal revenue collector, and for several days a half dozen or more men have been trailing Choy. He was found at Waipahu with a suit case containing all his clothes, and was evidently making a frantic effort to escape the officers.

Choy was arrested last May for selling opium and was out on bond when he began stealing blanks from physicians. He is said to have served two prison terms for handling opium and other drugs, and has caused the officers more trouble than any other one drug peddler on the islands.

CORREA IS GIVEN JOB AFTER BIDDING TWICE

Correa & Almeida, who bid lowest yesterday among five firms on the remodeling and completion of the armory, were today awarded the contract for \$10,909. The firm sent in with their bid a certified check of \$500. This is the firm that offered lowest terms when bids were called on the same work last time, their bid being protested in a public hearing. Following this all of the offers were rejected and new ones called for. Approximately \$1200 is saved by the territory

BIG WATER FLOW IN HILLEBRAND GLEN IS WASTED

Concerning the rainfall in the vicinity of Hillebrand glen, which place James T. Taylor was yesterday appointed by the city water investigation commission to investigate for the securing of data, considerable discussion came up at the meeting of the investigation and loan fund commissions yesterday.

A letter from G. K. Larrison, superintendent of hydrography at the local federal station, placing a rough estimate on rainfall in this vicinity, was read. The letter follows: A letter from G. K. Larrison to Harry Murray was read at the meeting, as follows: "An examination of the rainfall records of the upper Nuuanu valley leads me to believe that the mean rainfall over the area in the vicinity of Hillebrand glen and above the 1000-foot level is from 125 to 150 inches per annum."

Add Half Mile Area.
"The total catchment area which would be added to Reservoir 4 by this proposed ditch would be about one-half square mile."

"One hundred fifty inches of rain falling on one-half square mile of area would total about 1,300,000,000 gallons per annum, and 125 inches of rain would furnish about five-sixths of that amount. Assuming that one-half of this amount runs off as surface water there would be a daily supply of from about one and one-half to one and three-quarters million gallons daily, or about 530,000,000 to 650,000,000 gallons per annum."

"The above estimates are very crude, and should be used only with a large factor of uncertainty. I feel quite sure that the drainage from this area will add 400,000,000 or 500,000,000 gallons annually to Reservoir No. 4. Attention is invited to the fact that part of this water is now draining into No. 2, and that only the large floods which now overflow No. 2 would be added to the total supply. However, the additional power to be derived by diverting this water into Reservoir No. 4 should be considered."

NOTED LECTURER AT PAN-PACIFIC LUNCHEON SOON

Professor C. H. Robertson of Purdue University, Lafayette, Ind., who will arrive in Honolulu on the Shinju Maru from Shanghai on November 2, will be the speaker at the Pan-Pacific luncheon on that date. Professor Robertson will talk on China, having spent a number of years lecturing to the official and literary people of China on modern scientific problems, such as the wireless, the microscope and liquid air. During his lecture tour he has met perhaps as many of the educated Chinese as any other American. He was first sent to China by the International committee of the Y. M. C. A., to establish a point of contact among the citizens of that republic, and his work in scientific and Christian lines has been successful. Professor Robertson was a champion pole vaulter, football player and all-round athlete during his school days at the "Boilermaker School."

WILHELMINA NIGHT FOR HEINIE'S TAVERN

In honor of the first cabin passengers and officers of the Wilhelmina, which arrived this morning, the management of Heinie's Tavern has arranged an especially fine dinner and dance for this evening. Excellent music will be played during the dinner hour and the usual time dance music will be rendered for the dancing, following the dinner hour.

POLICE COURT NOTES

Phillips Benavite, accused of assault and battery, was fined \$10 and costs of \$3.60.
Capriano Anriguis, Domingo, Hisato and Jack Hiwa were found guilty of playing prohibited games and were fined \$5 and costs each.

The court decided to keep its eye upon Sam Kohololo for some time, and as a result he was given a suspended sentence of 13 months for drunkenness.

J. H. Haole, who figured prominently in an affray in the Iwilei district over two weeks ago, when he demolished sundry electric lights and finally took a woman by the throat and maltreated her, was convicted of assault and battery before Judge Monsarrat yesterday and fined \$25 and costs.

In the new contract, the former price being \$12,109. Protest against Correa was made by Bowler & Ingverson, rival bidders, who claimed he was inefficient for such work.

STAR-BULLETIN GIVES YOU TODAY'S NEWS TODAY

DOES HIGHER EXTRACTION MAKE UP FOR BIG OPERATING COSTS?

George Duncan Brings up the Question at Meeting of Sugar Mill Engineers

Completing the second important business session of their convention, the third annual meeting of the sugar mill engineers this morning concluded two important phases of their discussions, milling and clarification.

After the discussion had brought up several important points concerning grooving, George Duncan, chairman of the milling committee, asked: "But with all this elaborate grooving and higher extraction, the question is: Does it pay? What I have been trying to find out is how much expense is incurred in the maintenance of rolls grooved in this manner, for it is needless to say that there is not any, for one cannot escape the pitch of grooves without a new roll shell."

"Again, if a piece of iron comes along and breaks out a piece between the grooves, it means a new sleeve again. Take a walk through any of the new iron works just now, and one wonders where all the rolls come from. Has anyone ever tried the oxy-acetylene welding apparatus for the repairing of rolls, such as parts that have been broken out, etc.? Can parts so welded be as easily machined as the original iron?"

Concerning the grooving problem, R. Renton Hind said: "The cast-steel roller which was installed at the beginning of the season has done remarkably well. Contrary to opinion which was advanced by some people, it is no smaller today than the day it was put in, showing that cane juice has no appreciable action on cast steel when employed as a material for rollers. We did not, however, recommend a cast-steel returner bar in conjunction with cast-steel rollers, but a substitute such as gun metal or brass might be used to advantage."

When the discussion came to mill housing a communication from H. K. Scholefeld of Kona was read to the following effect: Loss from Friction.

"A matter of considerable moment which commonly receives no attention is the undue friction loss at the couplings caused by the fact that the normal position of the top roll when working, is either above or below the level of the power shaft."

"While the amount of lift of the top roll varies between different mills, there is for every mill an average amount, a point where the roll works under normal conditions. The amount of the lift should be ascertained and compared with the level of the driving shaft."

"I recommend a surveyor's level or transit for this work, as sights can be taken when the mill is working. A bench mark, the exact height of the drive shaft centerline, can be established on some immovable object, so that the height of the roll can be compared with this mark any time."

Mr. Hind and others expressed their opinion that what seemed to be the shredder of the future was the Seabry shredder, which has been giving wonderful results at Paunene, where it has been in operation.

Do Away With Crusher.
"A question of vital importance," said A. M. Simpson of the committee on milling, "and which I hope will be taken up by the meeting, is whether those shredders can be operated without being preceded by a Krajewski crusher. The installation of them without a crusher would be very much simplified, and the cost of installing very much reduced."

The milling committee consisted of George Duncan, chairman; J. E. Kennedy, A. M. Simpson, J. L. Renton, H. McCobbin, O. R. Olsen, C. Breneman, H. S. Truscott, chairman of the committee on clarification and filtration, opened the discussion of these important points with the following words:

"Much has been written in the past, and probably volumes will follow in the future concerning the clarification

and filtration of saccharine juices, consequently descriptions of methods and apparatus designed to clarify and purify cane juices are not essential, but a few comments founded on well known facts may lead the thoughts of all interested in the art of sugar production to obtain better results without becoming deeply involved in scientific chemical research or higher mathematics.

"As is well known, the art of clarification of cane juice is partly chemical and mainly mechanical, consequently the most important branch of factory operation rightly falls outside the domain of the engineer.

Basis of Endless Trouble.
"Yet the engineer should be privileged to take an active interest in the process as it falls within his province to provide the means whereby the sugar-maker produces results for faulty treatment of cane juice is the basis of endless trouble in a factory which has to be relieved by the engineer's staff. We of Hawaii have about as difficult a problem in the treatment of cane juice as can be found in the cane sugar world, due largely to the fact that we raise abundant yields per acre by the aid of artificial fertilization, also our cane lands are located in almost every variety of physical and climatic conditions."

After this preamble, Mr. Truscott then stated that he thought that largely owing to the variety of conditions which have to be met by all who treat of sugar in Hawaii, to consider all of the juices which enter a factory as a standard product. The report went into many interesting details of the treatment of the juice to clarify it.

Ingenious Hydrometer Jar.
Mr. Hind submitted a description of a hydrometer jar made of 2 inch brass tubing sealed at one end by a heavy brass plate. The open end of the jar is lipped and the top end at the mouth of the jar is bevelled off to a fairly sharp edge. The depth of the lip is sufficient to give a constant error in the reading of the hydrometer of about 3/10 of a degree. With the higher extractions which are now being obtained with the mills, the juice from the final discharge roll is so low in density that it is difficult to get an exact brix reading owing to the influence of the meniscus, but by the use of this jar sighting across the top edge, an exact reading of the spindle can be obtained to which reading a constant correction can be obtained.

"This device has been in use in the Ewa Mill for two seasons and has enabled the laboratory staff to obtain fairly constant last mill juice purities because of the accuracy with which brix readings of less than unity can be made. This device is not patented and the design is offered to the plantation laboratories gratis."

Have Gone to Pearl Harbor.
After the morning session the convention left at 1:45 on a special train for Pearl Harbor to inspect the equipment of the government machine shops. Tomorrow morning at 9 the convention will convene again to hear several important papers, among others two on sugar room machinery by C. White of Kilauea and William Wylie of Onomea.

Attending the convention at the present time are: C. B. Herkes, J. Chalmers, J. Greive, Jas. Nicoll, W. Duker, J. G. Smith, R. S. Norris, E. Koike, Charles Conner, R. R. Hind, W. Greene, W. G. Hall, J. S. K. Cunningham, Horace Johnson, G. F. Winter, F. F. Becher, W. J. Kruse, George Osborne, G. H. Halden, G. W. Cunningham, A. Englehard, T. Murray, A. H. Case, H. E. Starrett, C. P. Bento, W. F. Alexander, J. L. Renton, J. B. Laing, E. J. Nell, F. Loehr, H. S. Walker, F. W. Macfarlane, E. J. Mooplar, J. P. Lynch, W. A. Kinney, W. G. Pillar, A. Kraft, W. W. Westcott, John Muller, L. Lau, L. A. Hicks, R. M. Goo, O. R. Olsen, G. F. De la Nux, C. E. Wilson, J. H. Pratt, J. Meinecke, J. C. Plank, H. P. Agee, S. S. Peck, H. Waldron, S. T. Carr and R. W. Andrews.

ONLY NINETEEN OF SIXTY-EIGHT EAGER HUNTERS HAVE LICENSES

Of the 68 men who submitted to the supervisors at a meeting last week, plans for the preservation and restricted hunting of game birds, only 19 have themselves paid hunting license fees. This is a discovery made by Supervisor Robert Horner who has had his clerks at work going over the books in the treasurer's office, the communication having been referred to Mr. Horner by the other supervisors.

Now Treasurer D. L. Conking is sending out letters to the other 49 asking them to bring in their \$5.50 fee.

Of the three men who signed the petition as a committee with whom the city might correspond, namely Harry Armitage, Fred W. Carter and Ella A. C. Long, only Fred W. Carter has paid the license fee that goes toward the preservation and protection of game birds.

"It is startling," says Supervisor

Horner, "that so many people should send in a petition of this sort, and that so few of them have chipped in to help in the very work they advocate."

One of the suggestions made by the petitioners is that a closed season be placed on the county for three years covering all classes of game birds in order that they may increase in numbers, and Deputy Attorney Carden is making an inspection of the law books to see if the county can lawfully declare a closed season. It is the general belief that this is a decision left for the legislature only.

Some complaint is being made by certain hunters who pay their licenses, but who are not allowed to hunt on certain large tracts of private land used as preserves where the birds are liberated. It is felt by these men that so long as hunting is allowed, the birds should be released in sections of land open to the public.

Star-Bulletin, rallied for a time, but had a sinking spell yesterday and expired at 8:45 o'clock. The fairly home is near Cooke and Ward streets.

MAY SANTOS DIES OF BURNS; POURED OIL ON CLOTHES PURPOSELY

May Santos, the 15-year-old daughter of Mr. and Mrs. Manuel Santos, who, last Wednesday night poured oil over her clothes and then ignited them, after being reproved by her parents, died at Queen's Hospital last night as the result of the burns to her body. The girl, who had been employed by the

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STOCK DIVIDEND OF HALF MILLION IS GIVEN REVIEW

(Continued on page two)

evidence by the plaintiff. Mr. Castle's testimony showed that from 1899 until 1903 the capital stock of the Rapid Transit was increased from \$300,000 to \$1,250,000.

Taking up the first increase in the capital stock of the company, Mr. Castle testified, with the aid of records, that a meeting of the stockholders of the Rapid Transit was held on September 18, 1899, there being 1165 shares represented. At this time the capital stock was raised to \$300,000 by the issuance of \$100,000 worth of new stock. A letter from the department of the interior, addressed to C. H. Atherton, then secretary of the company, and acknowledging receipt of a notice of the increase, was placed in evidence.

Another meeting of stockholders was held on January 25, 1901, there being 1987 shares represented. At this meeting the capital stock of the company was increased to \$500,000. It was testified that at this time the company's property of the company exceeded \$600,000, and that the purpose of the increase in capital stock was for the purchase of equipment rather than further extension.

On January 30, 1902, testified Mr. Castle, a meeting was held at which time it was voted to increase the capital stock to \$800,000. On April 5 of the same year, another meeting was held at which was read a communication from the S. N. Castle estate.

This communication, according to minutes read in court, set forth a proposed agreement whereby the S. N. Castle estate, which then owned \$209,000 worth of the bonds of the company, would surrender all its bonds in exchange for an issuance of stock at par, preferred, with the right to exchange to common stock at any time. The agreement also carried a proviso whereby the estate would receive a bonus of 15 per cent, amounting to approximately \$31,000.

The company, the minutes related, took up the bonds of the estate in exchange, as regarding the agreement. This was included in the increase to \$800,000, it was testified, and resulted in the changing of some of the stock of the company to preferred. Half Million Stock Dividend.

On May 7, 1902, at a special stockholders' meeting the capital stock of the Rapid Transit was increased to \$1,000,000. Another meeting was held on June 6 of the same year, at which time a resolution was passed ratifying the increase to a million dollars, and the distribution of the stock of the company. The distribution included a \$500,000 stock dividend.

Mr. Castle testified that on March 25, 1903, a meeting was held to consider the purchase of the Hawaiian Tramway Company, a corporation which was controlled in London, and which operated mule-drawn tram cars through the streets of Honolulu. The purchase price was approximately \$325,500. The contract regarding the purchase was ratified and approved at the meeting.

In connection with this meeting, the issuance of 2500 shares of stock at the par value of \$250,000 was authorized. This increased the capital stock of the company to \$1,250,000. With Mr. Castle still a witness, the records of the company containing authorizations for bond issues were to be taken up this afternoon.

WHITEHOUSE GOING TO KEEP CLARK AT ROAD PATCHING JOB

Charlie Clark shall be retained in the city employ as luna of the street-patching gang. That is the intention of City Engineer Whitehouse, and he will forward his decision to the supervisors tonight at their meeting.

Whitehouse was asked to state to the board what he intended to do with Clark, the board making the request after discussing a motion made by Supervisor William Larsen at Saturday's meeting and later passed unanimously.

"My answer will be that I intend to keep Clark," said Whitehouse this afternoon, "and though I have not yet dictated the letter, the gist of it will be that Clark is entirely capable as a patcher of streets and that I see no reason why he should not be kept at that job."

"It is a different matter from acting as road overseer or luna of a road building gang," continues Whitehouse, "and I see no reason why I should kick him off this job that he is now doing satisfactorily. He has men under him, it is true, but he works under instructions and follows a routine method of patching."

The famous German coal syndicate at Essen, Germany was renewed for 15 months.

Attention! Co. D, 1st Inf. N. G. H.

Every member of this company is ordered to attend a meeting at the Armory Wednesday, October 27, at 7:30 p. m. Matters of UTMOST IMPORTANCE to be discussed. F. W. WICHMAN, 1st Lieutenant, Commanding.

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LITTLE INTERVIEWS

PETER KANAE: From the manner in which the city planning commission is taking hold of things I predict that it will be a moving force for good in the city. It is good to see people go to work from the start like that.

DR. JACK DAWSON: I think one reason that the people of Australia have felt prejudiced against Americans since the war began is because cable and wireless news is so scarce there. They get on the average only about one-fifth as much news by this source as comes to Honolulu papers.

C. J. MCARTHY: Three members of the harbor commission were in San Francisco at the same time—Bodge, Church and myself. In fact Church lived for 13 days on the same street and within a block of me, but neither of us knew that we were so close together. I ran on to him on Powell street the morning we boarded the Wilhelmina for Honolulu.

CAPT. HENRI BERGER: Something ought to be done to get rid of the gang of loafers that hang about the entrance to the city hall on Fort street and frequently shut off pedestrians, who have either to walk out in the street or push their way through the crowd. On paydays the place is well nigh impassable.

CITY ENGINEER WHITEHOUSE: Following the request of the board of supervisors that I suggest some means of roughening the city streets, I am going to recommend that a road paving eight feet in width, and consisting of little cubes three or four inches across, be used. This will cost about four dollars a yard, but it will answer the purpose and make a splendid road cover as well.

SUPERVISOR AHIA: I know that Aylett, the garbage superintendent, is getting nervous about those street refuse cans, but I fail to see why I should take the responsibility of having them placed along the street. I don't believe that storekeepers will want the things set out in front of their stores on the sidewalks. Hollinger is the man that first got the idea of spending \$100 on those cans—let him decide where to put them.

PASSENGERS ARRIVED

Per I. I. str. Manua Kea, from Hilo, October 26.—Mrs. F. Trotter, Miss A. M. Trotter, Miss I. Farrell, Noa Anuli, D. S. Bowman, A. Christian, R. Oki, A. T. Short, R. Ross, T. R. Robinson, H. O. Wood, Miss Shipman, H. W. Kinney, W. Wylie, K. Yamaguchi, Mrs. M. G. Levinson, Miss G. M. Pereira, L. Foranda and wife, J. Wylie, D. Clement, R. Schubert, A. M. Brown, J. Jones, C. H. Ahn, H. K. Ahn.

PASSENGERS BOOKED

Per I. I. str. Kinau, for Kauai ports, October 26.—Miss Broadbent, Mrs. Ethel Broadbent, F. E. Heine, F. E. Boyd, C. A. Bruns, A. B. Lambert, Geo. Pang, E. W. Field, C. J. Atkinson, W. T. Frost, R. A. Gorman, J. A. R. Vierra, Mrs. E. H. Brown, Miss I. E. Smith, Mrs. N. Fernandez, Master Fernandez, Ben Haaheo.

Per I. I. str. Mikahala, for Maui, Molokai, Lanai, October 26.—Mrs. M. G. Freitas, Mr. and Mrs. J. F. Brown, Mrs. W. E. Wall, Mrs. McCarrison and party, J. Munro and wife.

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