

New Type of Gas Engine Effects Monthly Saving

Approximately \$400 a Month Cut From Cost in Pump Operation

Saving of approximately \$400 a month will be made for taxpayers in the county sanitation districts by installation of a new type of gas engine in the disposal plant north of Wilmington, according to announcement today from Chief Engineer A. K. Warren.

The engine, a comparatively recent development, will displace a large electric motor in operation of a large sewerage pump at the disposal plant and the electric power bill will be cut that much.

Gases generated from sludge digestion at the disposal plant of the several districts will be used as fuel for the engine, by means of a special carburetor. The district now wastes into the air about 200,000 cubic feet of this gas daily, according to Warren.

In some respects the engine approaches perpetual motion, in that heat applied to the sludge aids in generation of the gases. This heat is obtained by piping the exhaust in such a manner that the heat resulting is applied to the sludge digesting vats.

This type of engine has operated successfully in other parts of the country, and inasmuch as there is no fuel cost, the operating cost to the districts will be practically negligible, except for lubricating oil and wear and tear upon the machinery.

A new pump, direct-connected to the new engine, will be purchased under authorization given by the directors. Thus the old pump and its electric motor may be retained as stand-by equipment, as the flow of sewerage at the disposal plant is on the increase, Warren said.

Firestone Stores Will Get License Plates For Patrons

As a courtesy to local automobile owners, the Firestone Service Stores, Inc., Jimmy Cramer, manager, will secure license plates free of charge this season, and all motorists who want the Firestone to handle this detail are requested to call at the station on Cravens avenue.

The only requirements to be made, said Mr. Cramer, "are that the license fee of \$2.00 must be paid in cash as we cannot accept checks, and the white slip must bear the endorsement of the county assessor showing that taxes for this year have been paid."

NEW YORK HAS MOST TELEPHONES, CALIFORNIA MOST PER 100 PEOPLE

With Population of 125,700,000 U.S. Averages 13.3 Telephones for Each Hundred People

At the beginning of 1934 the estimated population of the United States was 125,700,000 and the estimated number of telephones in use in this country was 16,711,000. This made an average of 13.3 telephones for each 100 of the country's population.

The figures as of that date show that the section of the country with the greatest number of telephones is the Middle Atlantic States, with a total of 5,120,400.

Country's Telephones by Sections

The figures for the country by sections are as follows:
New England1,457,200
Middle Atlantic5,120,400
South1,136,200
Great Lakes3,815,500
Northwest1,575,200
Southwest1,735,200
Mountain415,300
Pacific1,701,800

New York State naturally leads in number of telephones with 2,600,400. Next to New York comes Illinois with 1,482,800, and in third place are Pennsylvania and California, which are virtually tied with about 1,270,200 telephones each.

Massachusetts leads New England. In the New England group of states, Massachusetts has the greatest actual number of telephones, with Connecticut second and Maine in third place. In the Middle Atlantic States, New Jersey ranks next to New York and Pennsylvania.

In the South, the leading state in number of telephones is Kentucky, with Tennessee in second place and Georgia, North Carolina and Florida following in the order named. In the Great Lakes section, Ohio comes

next to Illinois, followed in order by Michigan, Wisconsin and Indiana. In the group of Northwest States, Iowa leads, and in the Southwest, Missouri has a lead of about 35,000 over Texas. In the Mountain States Colorado takes first place, in the Pacific States California leads, with Washington second and Oregon third.

Telephone engineers, however, prefer to figure telephone development on a population basis rather than on the actual number of telephones.

Percentage Figures Different

On a population basis, New York State has to give way to California for the leadership. If the District of Columbia were considered a separate state, it would hold first position. Excluding that territory, California is first on a percentage basis, there being 21.1 telephones per each hundred of its population. The figure for New York is 19.2.

In the New England group of states, Massachusetts, which led on an actual number basis, also leads on a population basis, and this likewise is true of Illinois in the Great Lakes group, of Iowa in the Northwest, and of Colorado in the Mountain States. In the South, however, Florida, which in actual number of telephones was below Georgia, Kentucky, North Carolina and Tennessee, has the greatest number on a population basis, and in the Southwest, Kansas makes a better showing than does Missouri.

Pacific Coast Heads Groups
Similarly, on a telephone per population basis, the section of the country which is best equipped with telephones is the Pacific Coast, with a percentage of 19.6. Jumping across the continent, the New England States rank second, with the Northwest States in third place. The Middle Atlantic States, including New York, are in fourth place.

Travel Rates For Holidays Are Low

Special local first class round trip fares for the Christmas and New Year holiday season have been arranged by Southern Pacific Company. It was stated here today by Lawson Overman, District Passenger Agent, Southern Pacific Lines.

The holiday tickets will be available from December 13 until January 1 for use between all stations in California, Oregon, Nevada and Arizona, on the basis of the regular one-way fare plus 50 cents for the round trip. Return limit will be January 13.

Hints For Motorists

(The Herald today presents another group of an instructive series of questions and answers related to various phases of motor vehicle ownership and operation in California. Authority for the answers is Ivan Kelsso, general counsel, Automobile Club of Southern California.)

Question—Is it unlawful in the day time to operate a motor vehicle that is not equipped with headlamps? The vehicle is used on odd jobs and is never out in the night time.

Answer—Since the provisions of the Vehicle Act requiring lights and headlamps are made applicable only to the period between one-half hour after sunset and a half hour before sunrise and at such other times as there is not sufficient light to render objects clearly discernible at a distance of 200 feet ahead, there is probably no legal objection to the operation of such a vehicle. There is, however, always the hazard that it might be delayed until dark in which event, if operated, the driver would, of course, be subject to arrest. It would likewise be in violation if operated in a condition of heavy fog or other atmospheric condition requiring the use of headlamps.

Question—An officer arrested me for throwing a lighted cigarette from my machine while driving through Mint Canyon. I have not been here long, but while driving around Los Angeles I have observed hundreds of people do this and never heard that it was unlawful. I have never seen anyone else arrested.

Answer—Section 139.4 of the Vehicle Act makes it unlawful to throw a lighted cigar, or cigarette, or flaming or glowing substance which might cause a fire, from a vehicle when such a vehicle is outside of a business or residential district, that is to say on what is known as the open road. It is quite possible that the many incidents which you have observed occurred in the settled district in and about Los Angeles, which would, of course, be a residence or business district where the provisions do not apply.

Question—Is a motorist required to make a boulevard stop at an intersection where a white line and the word "stop" are painted on the street, but where no boulevard stop sign of the usual type has been erected?

Answer—While the Vehicle Act specifically delegates to cities the power to create boulevard stop streets, it nevertheless requires that streets so created must be signposted according to the provisions of the Vehicle Act. The signposting provisions appearing in the act require the erection at the property line of standard octagonal boulevard stop signs of the size and dimensions with which we are familiar. For this reason painted marking on the street is not sufficient to compel observance.

FAMOUS QUAKER CITY HOTEL UNDER HAMMER PHILADELPHIA. (U.P.)—Green's Hotel, famous old hostelry at Eighth and Chestnut streets, for generations the stopping place of many well-known figures, has gone under the hammer. All the many pieces of furniture, including beds, chairs and bureaus were auctioned off to the highest bidder. The famous Colonial staircase will be sold complete, for reuse elsewhere. Also the crystal chandelier will go on the block, with a collection of paintings from the old landmark.

COMMUNITY TREE

Entertainment Program
Given by SERA Recreation Department

1. Gold and Silver Waltz Concert Orchestras
2. Revue Tap Ensemble
3. Medley of Christmas Anthems Concert Orchestras
4. Playlet—"Santa's Toy Shop" Dramatic Club
5. "Poems" Concert Orchestras
6. Picture, contributed by Torrance Theatre

At the
Torrance Theatre
Tomorrow, Friday
at 2 P.M.
Annual Community
CHILDREN'S PARTY
Free Candy...
Will Be Given All Children As They Leave the Theatre!
ALL CHILDREN CORDIALLY INVITED!
Everything Free!—No Admission Charge!
Sponsored by Torrance Fire Department

Proposes Novel Idea

"This Free Jones immediately." This may be the substance of future messages from colleges and clubs if a far-reaching innovation introduced at University of Southern California gathers momentum. Dr. Edwin Starbuck, famous psychologist, shown above with cameraman Faxon Dean, finding himself unable to appear in person on lecture series, was "shot" into a talkie movie, ready to be sent parcel post, or taken by proxy to any organization desiring to see and hear him.

Mrs. M. M. Porter Dies At Santa Ana

Mrs. M. M. Porter, former resident of Torrance at 1239 Madrid Avenue, passed away Tuesday at Santa Ana after a lingering illness. Funeral services were held at Santa Ana at 1 o'clock today, with interment at Forest Lawn. She leaves besides her husband, Mark M. Porter, who is also gravely ill, three sons, Harvey, Harry and Robert, and one daughter, Mrs. Mary Tyrel, of Albia, Iowa, who has been caring for her mother during her last illness.

New Bank Opens In Manhattan Beach

The final obstacle in the way of a bank for Manhattan Beach was cleared this week when J. F. O'Connor, federal comptroller of the currency, announced from Washington, D. C., that his office had approved a charter for a Manhattan Beach branch of the Bank of America.

Bank of America officials have already leased the street floor of the former State Bank of Manhattan building at Center street and Manhattan avenue, and work was expected to start last week in renovating the quarters for occupancy in the near future.

WHAT DOES A HEN KNOW ABOUT HUMIDITY?

• Hens hatch eggs by habit and accident. Electric Incubators do it by system and science. Continuous thermostatic control insures uniform temperature without personal attention. Humidity can be exactly regulated.

There is no fuel storage problem, and no labor. You pay for the heat after you get it.

You economize on productive space, control the turning of the eggs, eliminate infertile germs and get the maximum yield per hundred.

Poultry profits are swinging up again. The Edison poultry specialist will give you expert information on how to increase your income. Apply at the nearest office for modern helps on Incubating, Candling and Brooding—free.

Southern California Edison Company Ltd.

Flouting Nature's First Laws

That there can be no alliance between members of the feline tribe and song birds is one of the first laws of nature, but maybe Benny, the cat, and Billy, the canary, haven't heard of these laws. Anyhow, as the above photo will testify, the pair of pets domicile the home of Mr. and Mrs. T. C. Eckles, Sacramento, Cal.

HOSPITAL NOTES

Mrs. Blanche Danielson, 2514 President, Harbor City, is receiving medical care at the hospital this week.

Harold Glen, 129 South Elena, Redondo Beach, was operated for the removal of appendix, December 12.

Mrs. William Harris, 108 North Bonita, Redondo Beach, suffered a slight concussion from a fall, and is recovering at the hospital this week.

Mrs. Yoshi Makimoto, Manhattan Beach, underwent an operation, December 12.

Mrs. Sarah Pollock, 538 West Line street, Inglewood, is a patient at the hospital.

Doraleen Scribner, nine-year-old daughter of Mr. and Mrs. Warren Scribner, of the Texas-Oil Company lease, underwent an operation for appendicitis this week and is recovering nicely.

Births
To Mr. and Mrs. Thomas McCaughan, 2604 Eshelman, Lomita, a boy, December 14.

A Policeman's Holiday
HOUSTON, Tex. (U.P.)—A night recently was a bad one for two Port Worth, Tex., burglars. Detective Tom Zubanks took a policeman's holiday while en route to a movie with his family, and caught them trying to carry a safe from a grocery store.

Huge Collection of Books
CAMBRIDGE, Mass. (U.P.)—Harvard has perhaps the largest collection of books and pamphlets of any university in the world. During the past year the university received 124,025 books bringing the total to 3,902,040.

Award of Contract For First Subsistence Project Is Expected

Award of the contract for construction of the federal government's first of two county subsistence homesteads projects at El Monte, expected momentarily from Washington, following announcement of the low bid of \$169,122. Bids were received by the treasury department on December 3. The second project is in San Fernando valley.

N. A. Anderson and Harold Hansen, Los Angeles, whose address is given as a Los Angeles office building, were the low bidders. Other bids ranged as high as \$232,200.

The bid was upon construction of the dwellings, 11 of them with attached garages, but an additional \$120 will be charged for 99 individual garages, if the government decides to build them. Next low bid was that of Charles J. Dorfman, at \$169,969, and \$187 each for the 99 garages. The Monolith Construction Company was third at \$173,611.

Under the terms of the bid, the contractor is to furnish all labor and materials, except plumbing, and finish hardware. There are 100 dwellings to be erected upon the 100-acre tract at Peck road and Lower Azusa road, northeast of El Monte.

Specifications call for wood frame construction, concrete foundations and floors for garages, siding and shingle exterior, wood shingle and shakes roofs, wood lath and plaster partitions, wood sash, galvanized screens, pine trim, cesspools, electric bathroom heat-

Age Limit Under Teachers Tenure Law Is Proposed

Automatic cessation of teachers' tenure when the instructors reach the age of sixty-five years is proposed as an amendment to the California Teachers Tenure Act approved by the state council of education of the California Teachers Association.

The suggested amendment will be presented to the state legislature when it convenes next month.

The change represents long study by a committee and is expected to overcome many administrative problems, according to Roy W. Cloud, state executive secretary of the association.

ers, radio wiring in dwellings, gas wall heaters, and smaller modern features.

Joseph Weston of El Monte is the architect for both the San Fernando valley and El Monte projects, and the project manager is Ross Gast, who established offices several weeks ago at the building site.

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All in Exceptionally Pretty Christmas Wrappings!

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SAMPLER—Glased Fruits.....\$1.25 - \$1.75 - \$2.25 Box

Hard Candies and Mixed Sugars
Cellophane Bags 19c

Stockings
Filled With Solid Chocolate Wrapped in Colored "Foil"
Each, 25c

Cigars and Cigarettes
All Popular Brands in Bright Colored Holiday Wrappings

BOXES OF CIGARS 50c to \$4.50
PIPES...25c - 50c - \$1.00
ZIPPER TOBACCO
POUCHES.....75c
ALSO—Ash Trays - Cigarette Lighters - Smokers - Gift Sets - Etc.

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