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**Installation Started On Three
More Smog Devices at Columbia**

Columbia Steel Company's Torrance plant is winning the battle of air pollution as its part in Los Angeles area's program to eliminate smog, Alden G. Roach, president of this U. S. Steel subsidiary, declared following a recent inspection tour of the plant.

"Some time ago," Roach said, "Columbia Steel started a program of installing air pollution controls at its Torrance plant. This program involved the installation of electrostatic precipitators to the outlets of each of the four open hearth furnaces in the plant at a cost of hundreds of thousands of dollars. Work on one installation has

been completed and is in satisfactory operation. Foundations for the other three have already been laid, and construction is under way.

"Delivery on equipment for the other three open hearths is scheduled to start next month and will be installed immediately," the steel company executive declared.

DUST DIVERTED

Explaining the operation of the 60-foot-high precipitator, which stands alongside the 126-foot open hearth stack, Roach said approximately 13,500 cubic feet per minute of waste gas measured at standard temperature and pressure, and carrying an average of 75 pounds per hour to a maximum of 240 pounds per hour, of metallic dusts is diverted from the normal furnace stack system into a ventilated branch flue system leading into the cleaning equipment.

As a first step, gas must be reduced in temperature from a range of 1300 to 1500 degrees Fahrenheit to a range of 450 to 600 degrees Fahrenheit before entering the actual cleaning equipment, which is a large waste heat boiler containing 500 two-inch tubes. Some 9000 to 12,000 pounds per hour of 200-pound pressure steam is generated in the cooling process.

ELECTRICAL ENERGY

After the gas passes horizontally through the boiler it flows vertically to the dry plate electrostatic precipitator which is located above. The precipitator, constructed in two sections, contains 17 ducts. These ducts are formed by expanded metal collecting plate electrodes, 18 to each section. The 510 discharge electrodes are wires suspended vertically in the ducts between the plates and directly in the gas stream. A mechanical rectifier and transformer supply electrical energy to the precipitator up to 75,000 volts.

As the dust-laden gas passes the discharge electrode wire charged with 40,000 to 50,000 volts, a negative electrical charge is imparted to the minute dust particles. These particles in turn are then attracted to the oppositely charged positive collecting electrode plates. The particles adhere to the plates until they are vibrated or rapped off and fall free of the plates, dropping into hoppers below for disposal.

**Ex-Councilman,
Resident Here
32 Years, Dies**

Last rites were conducted Monday morning for one of Torrance's earliest residents, Manter Joseph Wright, 82, of 1024 Arlington avenue.

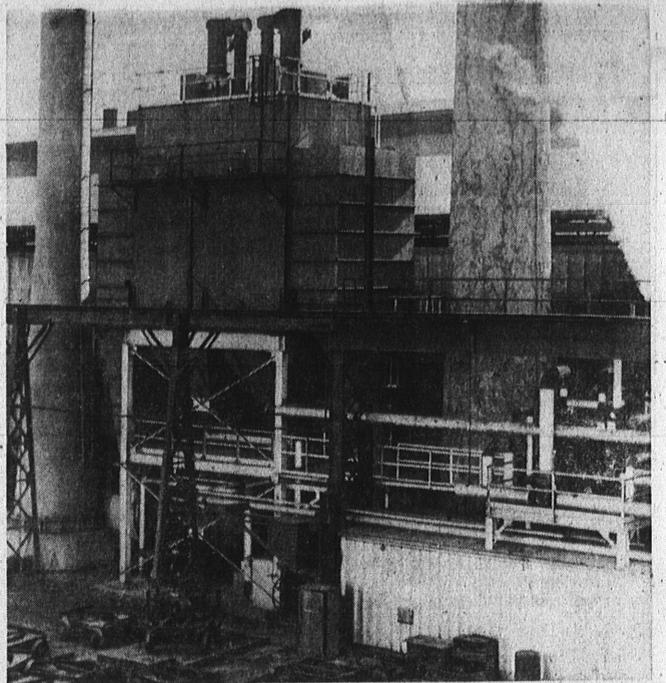
Wright, elected for a two-year term on the Torrance City Council in 1932, died last Thursday in an Alondra Park nursing home. He had been ill for about a year.

Of the five members of the council on which Wright served, only ex-Mayor Scott Liddlow, paymaster at National Supply Company, is still living. Other men on the same council with Wright were C. Earl Conner, W. T. "Bill" Klusman, and G. A. R. Steiner.

Wright's election to the council was considered by his contemporaries as a "dark horse" victory. He gained prominence by circulating a petition seeking the repeal of a ten cent tax which at that time, was levied to finance the Torrance Chamber of Commerce.

Last rites for Wright were conducted in the Stone and Myers Chapel by Rev. C. Miles Northrup of the Torrance First Baptist Church.

Interment in Inglewood Park followed the services.



MORE COMING . . . Columbia Steel Company announced this week the start of construction of three more anti-smog devices like the one pictured above. Costing hundreds of thousands of dollars, the device precipitates dust particles through the use of electricity. Waste is collected and discharged into a dump, thus preventing the particles from being discharged into the air as a contributing factor to smog.



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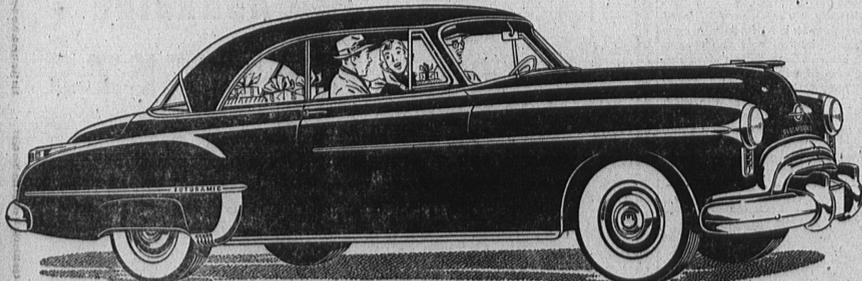
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Reflections

By J. Hugh Sherkey, Jr.

MERRY CHRISTMAS

We hope your stocking will be crammed with friendship, one of the most precious gifts we can bestow or receive. We hope that kindness will bulge from toe to top and in between you will find understanding, the attribute that makes all men brothers.

We hope the biggest gift of all will be filled with love, love of those around you and sincerely reciprocated by yourself; and all the gifts you gave and will receive will be wrapped in this precious Christ-like attribute. Love is delicate, injured by a word, yet it is more powerful than an atom bomb. Love and Christmas are inseparable and we hope it completely permeates your home and your heart. Happiness is comparative; the happiest person is one whose love for fellow human beings is all pervading. May your love be distilled to clear, sparkling happiness on this day of days.

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