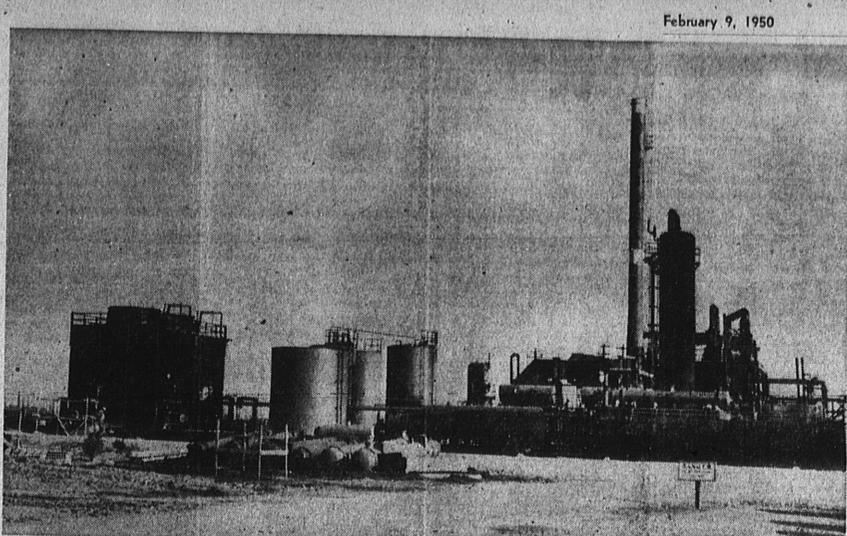


KEY LINK . . . A. E. Thompson, manager of the Torrance Refinery of General Petroleum and Paul Sanders, refinery superintendent, stand over the spot where the pipes carrying hydrogen sulfide enter the ground for a 16 mile circuit to the Hancock Chemical plant on Alameda boulevard. The round-trip pipeline is part of a new installation at the local refinery which will eliminate smog producing chemicals from smoke generated at the Torrance oil refinery.



MAGIC OF CHEMISTRY . . . Pictured is the Hancock Chemical plant at 23208 Alameda boulevard, which will remove hydrogen sulfide from a solution pumped from the Torrance General Petroleum Refinery eight miles away. The purified solution will be returned to Torrance where it will be burned as a source of heat. In the foreground is part of the new equipment being installed at Hancock for the purification process.

New Installation at G.P. Will Aid in Smog Battle

\$600,000 Spent at Refinery

By JACK O. BALDWIN

Of course Mark Twain could not have known about a current plan of General Petroleum when he wrote: "Everybody talks about the weather, but nobody does anything about it."

Due to be placed in operation at the local plant about the first of March is a \$600,000 weather machine—or more technically, a hydrogen sulfide absorption plant.

According to a recent article in "Doings in General," employee magazine of the local oil company, hydrogen sulfide is the chemical on whose atomic shoulders much of the blame falls for causing the infamous Southland phenomenon—Smog.

Strangely enough, however according to the Stanford Research Institute (SRI), the offending chemical is found in Los Angeles' atmosphere in minute quantities—the same ratio that six nickels would be in a pile of 10,000,000 pennies.

Even this amount, says the SRI, is less than half as much sulfur dioxide as found in the atmosphere over Chicago—and Chicago does not have smog!

"If all the sulfur dioxide," says the SRI, "were removed from the Los Angeles atmosphere, we would still have smog."

Reason for G. P.'s move to control the amount of sulfur dioxide the local refinery may be releasing into the Southland skies, is apparently a desire to "get off the hook" with the public. A position, incidentally, that the SRI says is not justified.

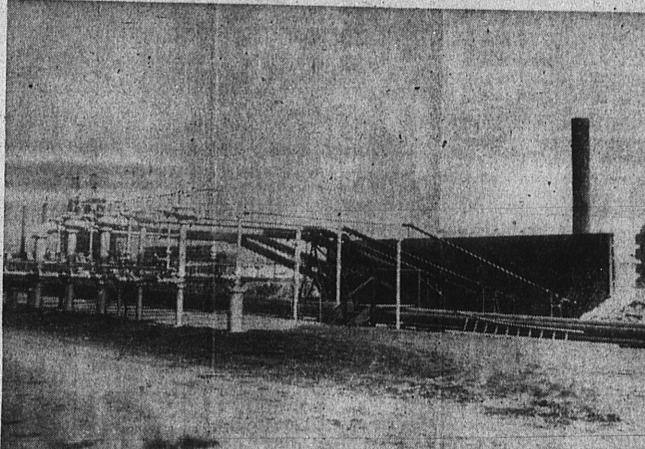
The SRI has found that although oil companies are constantly the target of uniformed persons who look through sights on an accusing finger pointed at all the smoke arising from refineries (GP among them) that the gasoline and oil producing plants are not to blame for smog. Much of the "smoke" seen coming from refineries is nothing more than steam.

Real cause of the big weather headache is a peculiar smog-board cocktail—referred to by the SRI as "synergistic."

This simply means that any one of a number of substances, tested individually, will fail completely to irritate the eyes. But when a person is subjected to a mixture of substances found in the atmosphere, his eyes will water.

Scientists have found 47 contaminants in the Southland's atmosphere—sulfur dioxide from oil companies is only one of them. How many others might eventually be found and identified remains to be seen.

G. P. is spending \$600,000 for an anti-smog device at the Torrance refinery to throw off the yoke of adverse public opinion. They are spending other amounts to educate the people about smog and to create better public relations through the publication of such articles as this. The stacks at the local refinery, and at Vernon, undoubtedly add to the smog problem—but not, according to the SRI, as much as the public has been



SMOKELESS . . . Still other equipment at the Torrance refinery used in the fight against smog are these smokeless burners. Many local citizens have seen the light dancing on the low hanging night clouds as waste gases are burned under controlled conditions in this pit. The special equipment consumes certain types of gases so completely that there is nothing left which could cause either fumes or particles to be freed into the atmosphere. Note on this side of the wall gases are mixed with air much on the same principle as a Bunsen burner.

led to believe. Chambers of Commerce have heretofore the fact that Southern California is the wonder playground of the Pacific Coast with its balmy skies, warm beaches, and snow capped peaks. The many fun-seekers in other parts of the world have heard this and daily new pilgrims arrive in droves to live in the land of milk and honey.

One of these days, the article in "Doings in General" points out, the public is going to be crudely shaken out of their beds by the startling naked truth that Los Angeles is one of the world's greatest industrial cities.

And as such, the city is bound to have smog producing substances thrown into the atmosphere in huge quantities.

Actually the very balmy skies that make the Southland one of the tourist meccas of the world are the same skies that cause Angelenos so much eye trouble.

Existing over Los Angeles most of the time is a meteorological phenomenon known as a temperature inversion. This layer of warm air acts like a ceiling and holds the accumulated smog masses in the Southland bowl. The situation might be likened to a glass of homemade jelly that is sealed with wax; the ring of mountains surrounding Los Angeles on three sides acting like the walls of the jelly glass; the sea breezes pushing from the west forming a barrier to hold the smog from one day to the next.

Realizing they can not change the geographic situation which causes smog, authorities have attempted to control the emission of irritating substances into the atmosphere that actually attack the sensitive membranes of the nose and eyes.

This is essentially what GP's new installation will accomplish. To be placed in operation within the next three weeks at the local refinery are two huge steel cylinders and a 200,000 gallon tank and miscellaneous equipment. The apparatus will absorb approximately 125,000

pounds of hydrogen sulfide each 24 hours.

The resulting solution will be pumped to the Hancock Chemical plant at 23208 Alameda boulevard through an eight mile pipeline connecting the two plants. At Hancock the hydrogen sulfide will be extracted and the purified solution returned to Torrance. The refined product will be used at the Torrance plant as fuel.

G. P.'s action has been a pace setter in the industrial field of smog control. However, the spending of more than half a million dollars by the local company points to a serious and knotty problem facing smog control authorities. It is a certainty that not all companies are going to be able to stand the gaff of a half million dollars invested in non-productive equipment. If smog laws are to be strictly observed it is most likely that some companies will have to fold. Others will move away and new industries planning to locate here—won't!

The infamous smoggy skies of Southern California may go—and so may the industries. The problem of ridding the skies of smog and holding on to industry is a problem that faces every family that is dependent upon Southern California for a living. The smog authorities will not be able to bathe the skies by themselves.

... Seaside

(Continued from Page 1)

the school, acted as master of ceremonies and introduced others participating in the construction of the school including board members Mrs. Evelyn Carr, Judge John A. Shidler, Mrs. Grace Wright, who is also moderator of the Torrance Education Advisory Committee, and Carl Steele, vice president of the board.

The high school band played during the first hour of the opening from 2 to 3 p.m. when the 40 minute dedication ceremony was held.

Church of Christ Services Announced

The Bible, which holds an answer to all the problems with which the world is confronted. This will be the general theme under discussion at the 10:45 a.m. service this Sunday at the Church of Christ, 1217 Cravens avenue, as announced by Raymond Putnam, minister.

... Conner

(Continued from Page 1)

dently predicted in Washington circles. Such action by the President is expected soon.

Mrs. Conner is visiting relatives in Nebraska, could not be reached for comment.

Public Notices
TORRANCE HERALD
NOTICE OF TRUSTEE'S SALE
No. SC 427

On March 9, 1950, at the hour of 10 o'clock A.M., in the lobby at the Spring Street entrance of the Land Title Insurance Company Building, 523 South Spring Street, in the city of Los Angeles, California, SOUTHERN CALIFORNIA ESCROW COMPANY, a corporation, as Trustee under the deed of trust made by JUDSON P. BOWERS and MARIE E. BOWERS, his wife, and recorded March 30, 1949, in Book 2887, Page 421 of Official Records of Los Angeles County, California, given to secure an indebtedness of the branch of certain obligations now owned and held by WALTER E. PHOSKY and MARY J. PHOSKY, husband and wife, as joint tenants, by reason of the branch of certain obligations secured thereby, notice of which was recorded October 5, 1949, in Book 3157, Page 309 of said Official Records, will sell at public auction to the highest bidder for cash, payable in lawful money of the United States at the time of sale, without warranty as to title, possession or encumbrances, the interest conveyed to and now held by said Trustee under said deed of trust, in and to the following described property, to-wit:

That Southern 32.5 feet of Lot 16 and 17, in Block 85 of Torrance Tract, in the City of Torrance, County of Los Angeles, State of California, as per map recorded in Book 22, pages 84 and 85 of Maps, in the office of the County Recorder of said County.

EXCEPT the Easterly 32.5 feet of said portion of Lot 16.

For the purpose of paying the obligations secured by said deed of trust, including fees, charges and expenses of the Trustee, advances, if any, under the terms of said deed of trust, interest thereon and \$500.00, in unpaid principal of the note secured by said deed of trust, with interest thereon from July 15, 1949, as in said note and by law provided.

Dated: February 3, 1950.
SOUTHERN CALIFORNIA ESCROW COMPANY
By Lorsto Dowling, Assistant Secretary.

(Corporate Seal)
Feb. 9, 16, 23, 1950

MOBILE NEWSPAPER
Thomas A. Edison published the first newspaper ever printed on a train.

TORRANCE HERALD
NOTICE OF TRUSTEE'S SALE
No. SC 428

On March 10, 1950, at the hour of 10 o'clock A.M., in the lobby at the Spring Street entrance of the Land Title Insurance Company Building, 523 South Spring Street, in the city of Los Angeles, California, SOUTHERN CALIFORNIA ESCROW COMPANY, a corporation, as Trustee under the deed of trust made by THOMAS R. LEVIER and RUTH E. LEVIER, his wife, and recorded March 10, 1949, in Book 2960, Page 149 of Official Records of Los Angeles County, California, given to secure an indebtedness in favor of ESTHER L. HIRRELL, now owned and held by WALTER E. PHOSKY and MARY J. PHOSKY, as joint tenants, by reason of the branch of certain obligations secured thereby, notice of which was recorded October 5, 1949, in Book 3157, Page 307 of said Official Records, will sell at public auction to the highest bidder for cash, payable in lawful money of the United States at the time of sale, without warranty as to title, possession or encumbrances, the interest conveyed to and now held by said Trustee under said deed of trust, in and to the following described property, to-wit:

Lot 21 in Block 85 of Torrance Tract, in the City of Torrance, County of Los Angeles, State of California, as per map recorded in Book 22, pages 84 and 85 of Maps, in the office of the County Recorder of said County.

Except the Easterly 60 feet of said lot.

Also except the Southern 8.5 feet of the remainder of said lot, for the purpose of paying the obligations secured by said deed of trust, including fees, charges and expenses of the Trustee, advances, if any, under the terms of said deed of trust, interest thereon and \$672.16, in unpaid principal of the note secured by said deed of trust, with interest thereon from July 15, 1949, as in said note and by law provided.

Dated: February 3, 1950.
SOUTHERN CALIFORNIA ESCROW COMPANY
By Lorsto Dowling, Assistant Secretary.

(Corporate Seal)
Feb. 9, 16, 23, 1950



FIRE WALL . . . Motorists passing along Crenshaw boulevard have seen this wall many times almost hidden behind a huge curtain of flame. Two small pilot fires (left and right) ignite a mixture of gases and air shot through the holes from pipes and jets on the other side. The large fires, which can be seen for many miles at night, were turned out to allow photographer to approach the fire pit.

WINE AS ANTISEPTIC

London (SF)—Wine was often used in the middle ages to dress wounds. Linen bandages were steeped in strong wine and served as an antiseptic dressing.

Illegal, Boy Shooting Birds Sadly Learns

A 12-year-old Torrance boy was "very sad" Friday when police informed him that shooting birds in the park in front of the high school is illegal. He was even more sad when police confiscated his genuine "Red Ryder" Daisy air rifle. The police were just tired as they added it to the accumulating stack they call their usual "after Christmas crop."

Torrance Trio To Red Cross Fund Luncheon

Representing Torrance at a meeting called by Earle M. Jorgensen, general campaign chairman, American Red Cross, are Mrs. Gladys Weston, fund chairman; Russell Lund, co-chairman; and Otto A. Kresse, colonel of the industrial division.

The meeting, a luncheon at Forino's, on Wilshire, has been called for the purpose of discussing details and formulating plans for the forthcoming fund campaign.

HIGHWAY NETWORK

Albany, N.Y. (SF)—New York state's highway system covers 83,570 miles, of which almost 64,000 miles are hard surface roads.

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—NOW PLAYING—
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—AND—
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MAUREEN O'HARA PAUL CHRISTIAN
BAGDAD
IN TECHNICOLOR
—Also—
WILLIAM LUNDIGAN VIRGINIA BRUCE
STATE DEPARTMENT FILE 649
IN CINECOLOR

OUR AD APPEARS DAILY IN THE LOS ANGELES TIMES, EXAMINER, MIRROR, AND DAILY NEWS. BOX OFFICE OPENS SUNDAY AT 12:30. MONDAY THRU FRIDAY, 6:30 SATURDAY 1:30