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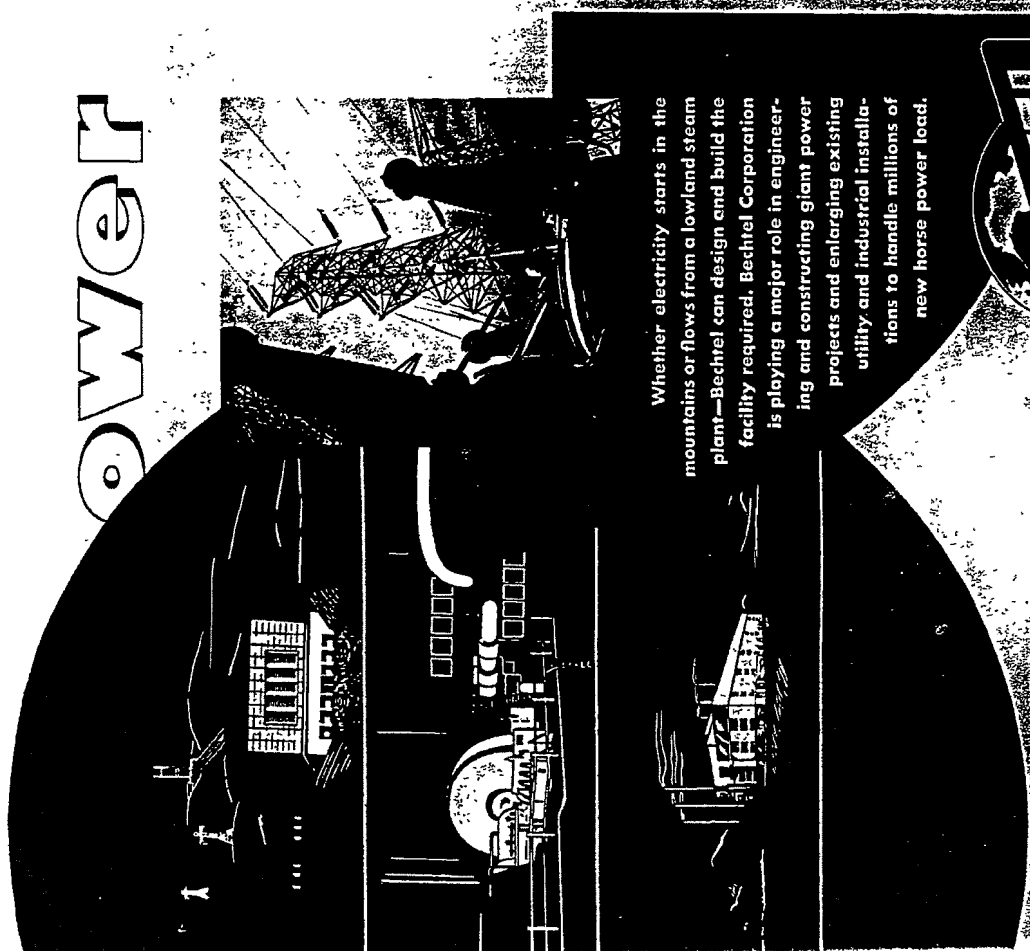
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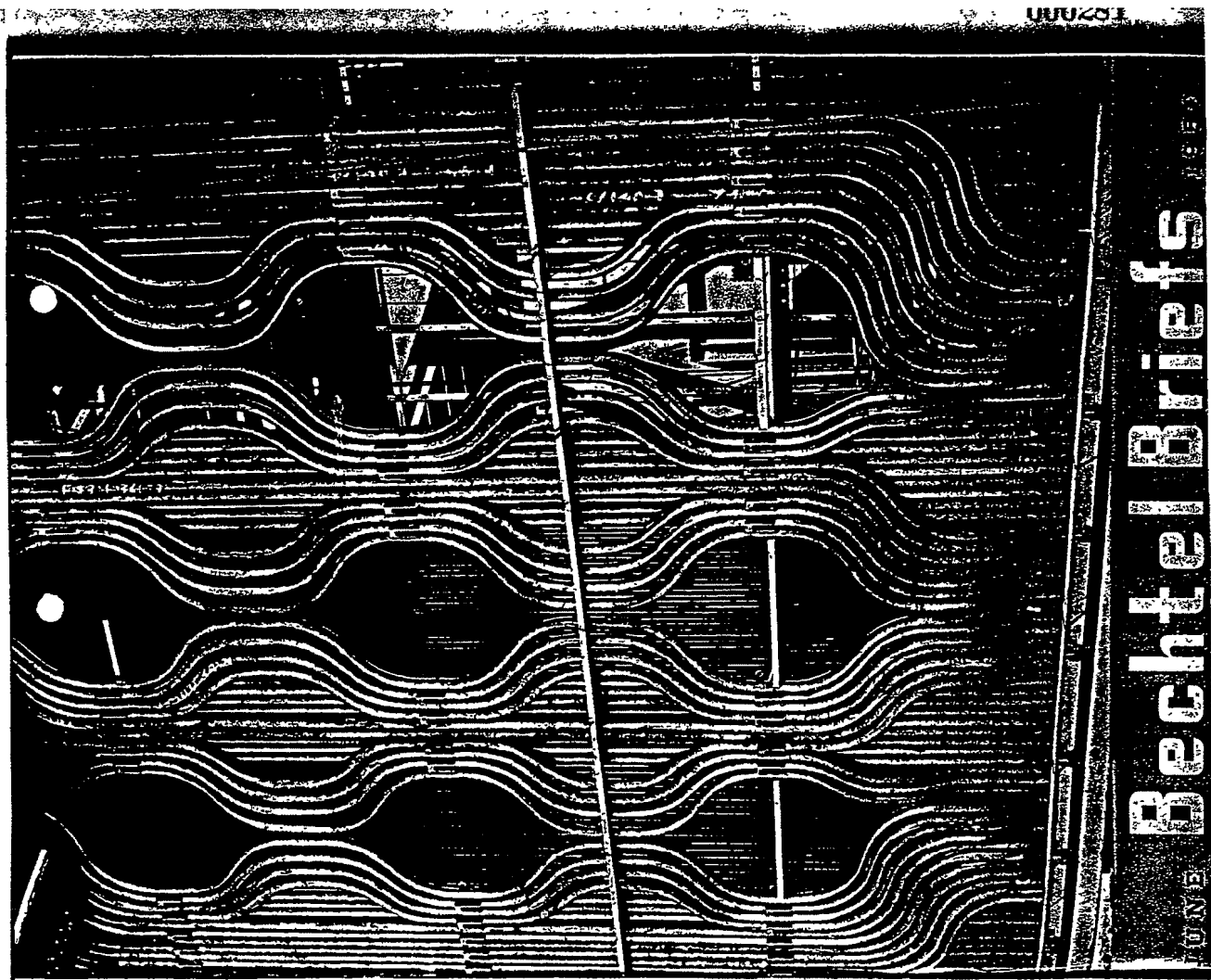
POWER



Whether electricity starts in the mountains or flows from a lowland stream plant—Bechtel can design and build the facility required. Bechtel Corporation is playing a major role in engineering and constructing giant power projects and enlarging existing utility and industrial installations to handle millions of new horse power load.



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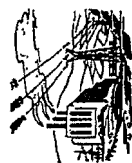


Bechtel Briefs

JUNE

A pipeline goes a lot faster these days because of the motorized equipment available—trench diggers, boom cranes and motorized welders instead of mule teams and hand labor. The photograph above and at top left shows a stretch of the construction work on the 119-mile section of the Itasca, Idaho, to Baker (Oregon) gas pipeline.

that gets things done. The 119-mile Boushaker section required submerged crossings of the Boise and Bunt Rivers. The route of the line is a northwesterly course from Boise to the vicinity of New Plymouth, Idaho, then into Oregon past Ontario and Huntington and from there paralleling U. S. 30 to Baker



THIS MONTH'S COVER
"SPAGHETTI"



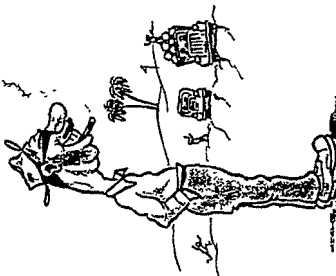
generating units at the Costa Costa team Electric Generating Plant now being built at Anaheim, California, for the Pacific Gas and Electric Company by Biehler Corporation. Each unit has a maximum operating capacity of 50,000 pounds per hour, at 1405 PSIG and 50° Fahrenheit.

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the Employees of Bechtel Corporation,
San Francisco, and Contractors



ATTING the Boise-Baker 8" petroleum products pipeline for the Salt Lake Pipeline Company, the Morrison-Beechli-Macco crews are now a month ahead of schedule in meeting the completion date set by SLPPL for June 30th. By the end of September the petroleum fuels will begin their flow from the Beechli-built Salt Lake Refinery to Penco on the Columbia River and be distributed by Standard Oil of California throughout the Northwest.

Capacity of the new line is 19,000 barrels per day and the products carried will include four grades of gasoline, diesel oil and stove oil. Al Berlander, Bechtel veteran Pipeline Superintendent, is in charge of the crews which have maintained the excellent average of two miles per day of pipe laying. Al was the first construction Manager for Bechtel on the Trans-Alabamian Pipeline. Assistant Superintendent on the job is Ralph Hall of Morrison-Knudsen.



In artist's conception of Cliff Swarthout
in the Arabian pipeline before recently
winning the Super Inch crew on the
P.C.&E. 34' line in California.

When the article on the Estimating Depart-

ment of San Francisco was published last month there was a picture of Ted Bean at the head of the story—with no identification. True, his name was in the article, but the article, but still he was not noted as the head of the department.

Several readers have sent in "Who Dat"?

My gosh, we thought everyone knew Ted! But for those who don't—Theron "Ted" Bickel has been with Bechtel interests since 1946. He is a graduate of Stanford in Mechanical Engineering and before coming to Bechtel had varied experience with private companies and the U. S. Army as an estimator and engineer in heavy construction work. On the staff of the Estimating Department in the organization of the Estimating Division in San Francisco, V. G. Hindmarsh, Vice President, he was in charge of the Refinery division gave him his present position as Estimating Department head—a position which he ably handles.

Somechero along the Techeapi Right-of-Way on the Super 34" line, the Steve Bechtel Co.'s entertain in their house on wheels. Left to right: Betty Bechtel, Bill Hanna, Bill Carlin, Helen Hanna, Alyce Finnie and Steve, Jr.

One of the more recent developments in medical practice has been the establishment of blood banks. In this way donors may contribute to their convenience, receiving credit so that they, or persons whom they may specify, can receive blood or plasma transfusions at cost. Since much of the help and practically all of the expense of the equipment is the result of voluntary contributions of time and money, the costs are very low.

Without such a reservoir it was formerly quite difficult to find the proper types upon short notice. Quantities as might be required in disaster were unavailable. Today, a hospital may call for, and receive within an hour, a specific type of blood with the required Rh

The Engineering Division is the first group to the Bechtel organization to enter the San Francisco program.

Tom Moran and Harry Winandy report to Al Orselli, Manager of Refinery Construction

that considerable progress on the Herrules Powder Western Pilot Plant Demolition of a portion of the former Ewauna Box Company is completed. The job is in its foundation stage with two major ones poured. By the time this article appears in print, the hog wall spreader should be placed. Other miscellaneous foundations are being formed and poured.

Work on the boiler house includes completion of the end wall and placing in service an existing boiler.

Bechtel Corporation is entering an 18 million dollar joint venture to construct an earth dam embankment structure and the erection of concrete spillway butt appurtenances. The contract was let by the Army Engineers in Portland. The location of the dam is on the middle reach of the Willamette River near Eugene, Oregon. Officially the job will be known as the Hook-Out Point Reservoir Project.

Associates in the joint venture will include: Morrison Knudsen Corp.; Bechtel Corporation; Peter Kiewit Sons' Co.; Macco Construction; Puget Sound Bridge and Dredge Company and J. H. Pomeroy & Company, Inc.

The time for completion is to be 1,500 calendar days from the date of notice to proceed, and the dam will be of considerable size requiring about 6,982,000 cubic yards of earth fill and 31,500 cubic yards of mass concrete.

This kept him busy for a couple of years, and then he became linemaker for Bethel McKeone at the Richmond refinery. After that he was on all domestic refinery jobs for Bethel until 1944, when he was sent to Ras Tanura, Saudi Arabia, as Administrative Manager. Subsequently, until he was switched to the "Super Tech" Project, he was kept on refinery work in the U. S. A.

Married since 1937 and residing in Berkeley, McGee and his wife, Margaret—a graduate of the University of California at Berkeley and a teacher at the University of California at San Francisco—have a daughter, Catherine, who celebrated her 18th birthday just before Easter and received the gift of a new car. It was a tortoise from the University of Barlow on the Mojave Desert, cap-tured after a stirring chase by Carl Stevenson that it wouldn't get mixed up with any other tortoise that might happen along. It was named with a Bechtel design (see cut) and called Super Inch. To keep Super Inch com-fortable, the Vallins have another pit at home, a one called Gussie. Bechtel McGee.

One of the oldest men among the younger members of the Bercht construction family is J. J. (Steve) Valline, who is currently general superintendent of the P.G. & E. "Sugar foot" refinery project. Along with a capacity for hard work, Steve has a friendly nature, an engaging manner and a well-developed sense of humor. He is an old pro at any time or another he has been an excavator, miner, surveyor, engineer, construction foreman and administrative manager.

born in the town of Moguelon, New Mexico, was raised in Texas and got his schooling in El Paso. When his years were yet very tender, 1927, he acquired a silver mine in the State of Chihuahua, Mexico. It sounded romantic if he worked it diligently but without revenue for two years, so he gave up being a miner and took up an occupation that proved more profitable to him. He went to work as a foreman's helper on a road from El Paso to El Paso. That job took a year, and then he became a location engineer on a proposed pipeline right-of-way from El Paso to Glades, Ariz.

After six months as an instrument man with Bell Telephone Company, Sieve found himself back on the pipeline right-of-way he had hoped to locate and this was a turning point in his career, for the pipeline was being constructed by Bechtel-Kaiser, for whom he was now employed as job engineer.

But for a brief interlude he has been a Bechtel man ever since. That interlude was when he turned prospector and set forth on an expedition in search of some lost mines (after all, he had begun his career as a mining man) somewhere around the head of the Yaqui River in the State of Sonora, Mexico. The lost mines were lost.



these Vaseline with patent "Super Lach," believe it or not Steve has more hair than the wife.

Next came Boulder Dam, where he worked for the Six Companies Inc., successively as foreman, superintendent, assistant superintendent, foreman, railroad foreman, concrete foreman, timekeeper, railroad engineer and highway engineer. He had the distinction of being fired and rehired in the space of one week by the famous Frank Crowe. Steve's last assignment at Boulder Dam service was from early in 1932 until 1935, when he moved down to Parker, Arizona, which was subcontracted by the Six Companies Inc. to J. F. Shea Co. Here he was again promoted to foreman on the day shift and built a short tunnel for hauling out rock from the dam.