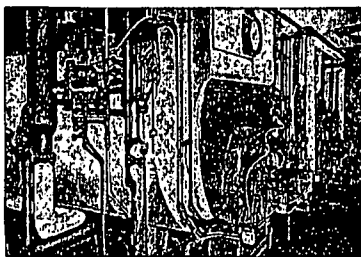


MORE ENGINEERING

MORE MATERIAL

MORE EXPERIENCE

MAKE THE DIFFERENCE



KEWANEE

STEEL BOILERS

Wherever Heat or Power or Industrial Process Steam is required there is a Kewanee Boiler just right for the job. And into every Kewanee goes more of everything that adds to a boiler's life and makes it most economical. Owners expect more from Kewanee Boilers . . . and they get more.

Pictured is a battery of two Kewanee Scotch-type Boilers, for low pressure in the boiler room of the Men's Dormitory, Bradley University . . . a Kewanee series which "stands on its own legs," needing no special setting and requiring comparatively little floor space or head room.



KEWANEE-ROSS CORPORATION

Division of American Radiator & Standard Sanitary Corporation

KEWANEE, ILLINOIS

Men's Dormitory
BRADLEY UNIVERSITY
Peoria, Illinois
ORRIG-BRIDGES & FOLEY
Architects
ASSOCIATED ENGINEERS
Construction Engineers
3 Kewanee Scotch Boilers installed by
PEORIA PIPING & EQUIPMENT CORP.

MARMADUKE

Continued from page 176

boys. Let's get some chow. Maybe she'll loosen up and jump while we're away.

"Hold it, McDuff," I warned the foreman. "Suppose she does jump on you say—then what?"

"Then what?" he came back with a screwy look on his face. "That's exactly what we've been trying to do all morning—get her to jump. And she won't loosen up, Chief," he added sarcastically. "Not until we expand that hub with some heat."

"In that case, she can jump," I told him, "because that job's getting hot right now."

"How you figure that?" he asked, giving me that screwy look.

"Well," I answered, "that shaft is 12 feet long. She had a running heat of about 120 degrees when we came into dry dock. Since then she's been cooling off because she's stopped running. But the ship's hull and the propeller were sea-water temperature. That's about 60 degrees, but now the hull is out of the water and everything has been heating up from the sun. And the sun is getting hotter every minute."

"So that long shaft is shrinking while the hull is expanding. But those wedges against the hub are keeping the shaft from moving on this end. And the main thrust bearing and shoring inside are holding her in place at the other end."

"Something has to give. I predict that, any time now, that 16-in. shaft is going to snap back through the propeller like a rubber band."

"I wouldn't worry about it," said the foreman. With that he and his gang shoved off towards the Marmalade Room outside the main gate.

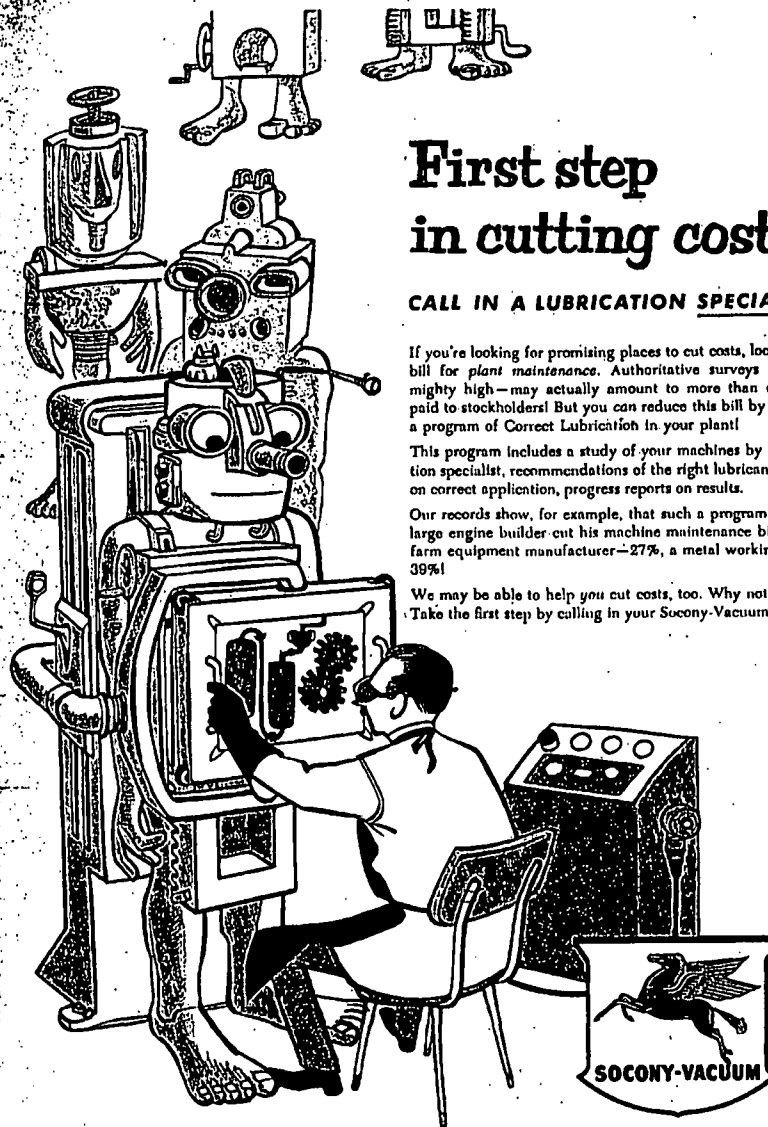
"My first assistant, Joe Betz, from Taunton, Mass., and I followed them. We wanted a shore-side meal for a change that we could wash down with some beer."

"About the time we put away a couple of dozen clams and killed a few bottles, there came a loud report from the graving dock. It sounded like a cannon shot that had smacked an iron fort."

"Joe Betz and I made knots for our ship. Everyone else was taking off in the same direction. When we got there a big crowd of yard men and some office help were down in the graving dock looking at the propeller. And the foreman was breaking all records climbing up the scaffold. I climbed up after him. Then the foreman started cussing a blue streak. One good look, and I saw what he was raving about."

"The propeller had loosened all right—exactly as he hoped it would. Only it let go like an 11-ton shot. It hit the stars

(Continued on page 180)



**First step
in cutting costs...**

CALL IN A LUBRICATION SPECIALIST!

If you're looking for promising places to cut costs, look at your bill for plant maintenance. Authoritative surveys show it's mighty high—may actually amount to more than dividends paid to stockholders! But you can reduce this bill by installing a program of Correct Lubrication in your plant!

This program includes a study of your machines by a lubrication specialist, recommendations of the right lubricants, advice on correct application, progress reports on results.

Our records show, for example, that such a program helped a large engine builder cut his machine maintenance bill 24%, a farm equipment manufacturer—27%, a metal working plant—39%!

We may be able to help you cut costs, too. Why not find out? Take the first step by calling in your Socony-Vacuum man!

Socony-Vacuum *Correct Lubrication*

SOCONY-VACUUM OIL COMPANY, INC., and Affiliates MAGNOLIA PETROLEUM COMPANY, GENERAL PETROLEUM CORPORATION