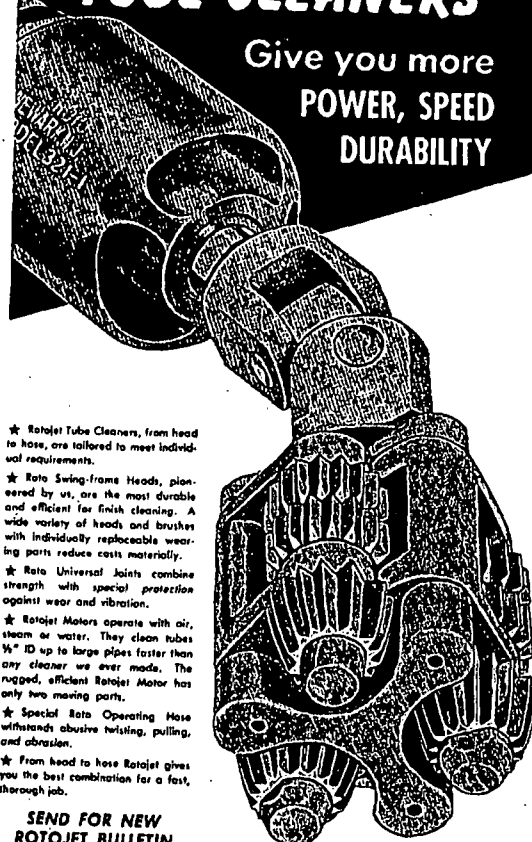


From Head to Hose

ROTOJET[®] TUBE CLEANERS

Give you more
POWER, SPEED
DURABILITY



★ Rotojet Tube Cleaners, from head to hose, are tailored to meet individual requirements.

★ Roto Swing-frame Heads, pioneered by us, are the most durable and efficient for finish cleaning. A wide variety of heads and brushes with individually replaceable wearing parts reduce costs materially.

★ Roto Universal Joints combine strength with special protection against wear and vibration.

★ Rotojet Motors operate with air, steam or water. They clean tubes 1/4" ID up to large pipes faster than any cleaner we ever made. The rugged, efficient Rotojet Motor has only two moving parts.

★ Special Roto Operating Hose withstands abusive twisting, pulling, and abrasion.

★ From head to hose Rotojet gives you the best combination for a fast, thorough job.

SEND FOR NEW
ROTOJET BULLETIN



ELLIOTT COMPANY-ROTO DIVISION

153 SUSSEX AVENUE

NEWARK 1, N. J.

ROTOJET Water-driven Motor Model 321 with swing-frame head and universal joint for 2 1/4"-3" I.D. curved tubes.

WITH OUR READERS

the horizontal slow-speed compressor though it does not specify, and whether for one type of compressor is another.

I was surprised to see any mention of monoxide in air compressors. Finally, we are always happy to see articles on air-compressor maintenance. The proper use of compressed air is so simple, yet so important to most people. Let's keep up the work.

West Chester, Pa. C. B. Schramm
Asst. Sales Manager, Schramm

Gas Turbine Course at University of Michigan

An intensive two-week course in turbines has been scheduled from 29 to July 10 by the Dept. of Mechanical Engineering of the University of Michigan. It is designed particularly for engineers in industry, professional consulting courses in gas turbine members of the armed forces having direct interest in gas turbines.

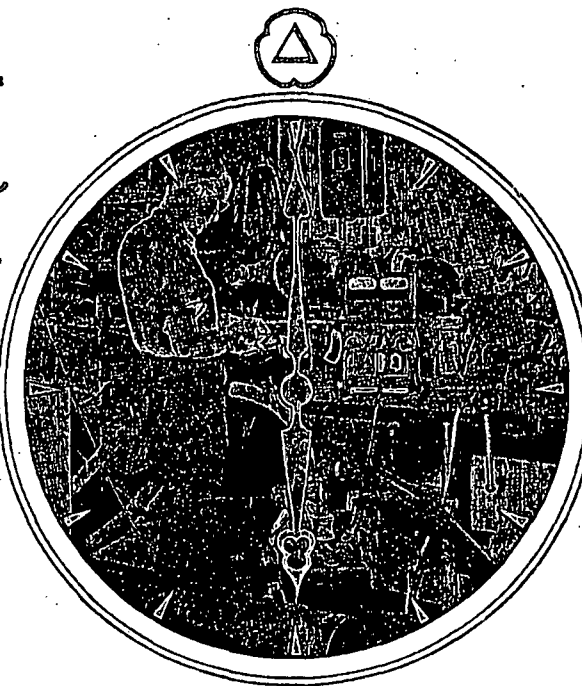
Twenty one three-hour morning and afternoon sessions will cover: Dynamics of Gas Turbine Cycles; Thermodynamics of Propulsion; Ram Jets, etc.; Thermodynamics of Flow; Centrifugal Compressor Design (two sessions); Performance and Testing Techniques; Axial Compressor Design (two sessions); Turbine Design (two sessions); Inflow Turbine Design; Heat Engines; Combustion; Afterburners; Engines in Blades and Discs; Fuel Systems; Materials; Governing; Fuels; Application to Vehicles and Aircraft.

A fee of \$100 (payable by May 1, 1953) will cover tuition and notes for the course. Since number of students will be limited to sixty, applications will be accepted in the order of submission. Registration and fee for information should be sent to: L. Schwartz, Professor of Mechanical Engineering, 231 West Engineering Building, University of Michigan, Ann Arbor, Michigan.

More than a trillion kilowatts of electricity are now being produced annually by all the world's generating plants. 42% per cent of this staggering total is generated by the United States, four times the output of second-ranking Soviet Russia according to the 1952-53 edition of "Know About the Electric Industry," booklet just published by the Edison Electric Institute, 420 Lexington Ave., New York 17, N. Y.

ENGINEER FUEL ENGINEERING WRITES:

*Heat Prover
Completed a
30 Hour
Burner Test
in Just
6 Hours!!*



Amazing Cities Service Heat Prover Works 5 Times As Fast As Old Method... More Accurate, Too!

Robert W. Pixler, Laboratory Supervisor for Eclipse Fuel Engineering Company, Rockford, Illinois writes:

"It did not seem possible that an instrument that is so fast and direct-reading could possibly have the accuracy we demand. But, we found the Heat Prover equally exact, possibly even more exact, than standard

commercial testing equipment.

"Our test work with previous instruments was a long, drawn-out affair. But with the Heat Prover, we completed what would normally have been a 30-hour test in just 6 hours!... and we doubt that our old equipment could have maintained the accuracy delivered by Cities Service Heat Prover."

WHEREVER A FURNACE OPERATION IS INVOLVED, the Heat Prover can help increase productivity by providing:

- Rapid, continuous sampling
- Simultaneous reading of oxygen and combustibles
- Direct measurement of oxygen and combustibles
- Easy portability
- No maintenance; no re-calibration

For details, contact nearest Cities Service office or write Cities Service Oil Company, Dept. D16, Sixty Wall Tower, New York City 5, N. Y.

QUALITY PETROLEUM PRODUCTS



ADS OUT