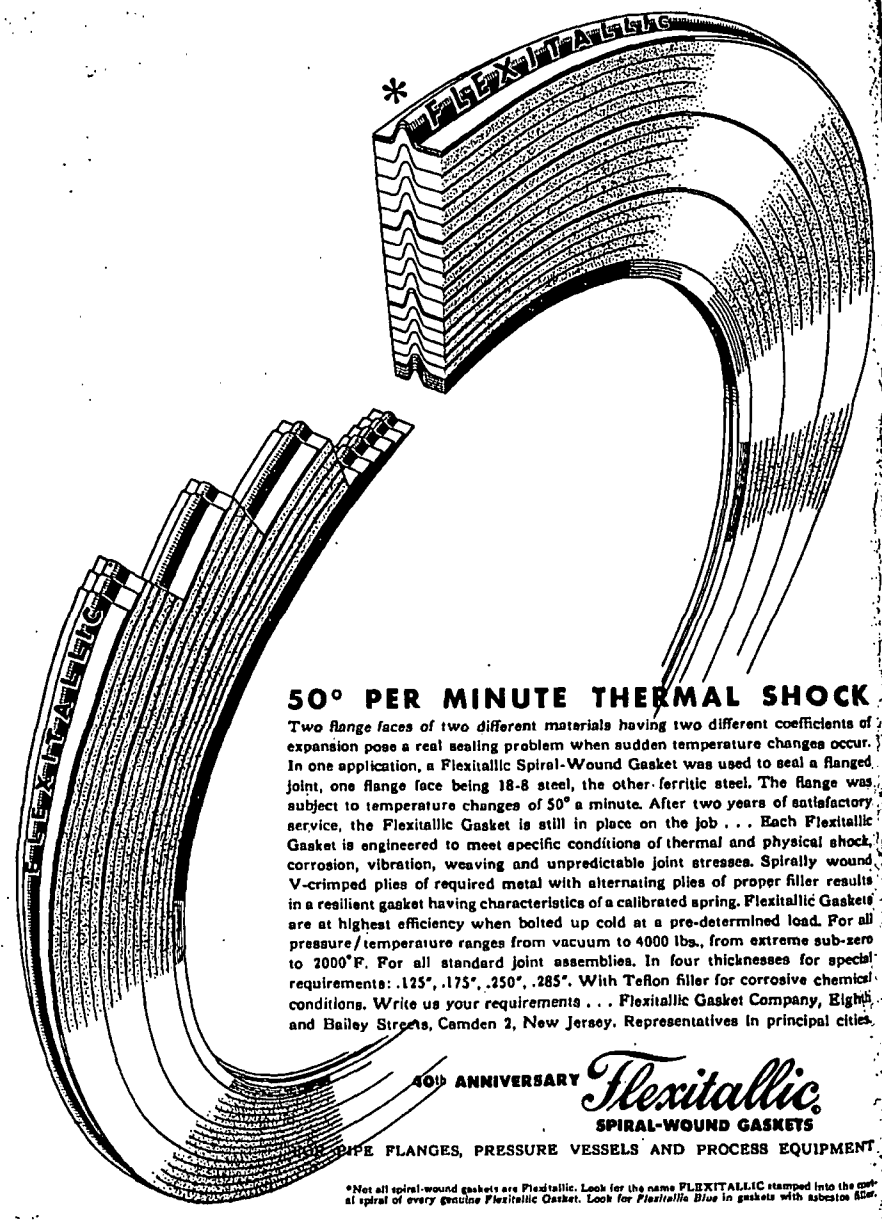


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Power

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ELECTRICAL MAINTENANCE is a fine art at Charles Pfizer & Co, world's largest producers of antibiotics. It has to be, because shutdowns of delicate processes are costly. As our out-of-plant report (pp 107-113) tells, Pfizer engineers start by designing to eliminate maintenance as far as possible. Then, by careful planning, smart organization and ingenious methods, they speed necessary maintenance to cut downtime.

In the cover photo, McGraw-Hill photographer Chris Grube catches one of the many Pfizer maintenance ideas. Blueprints, combining wiring diagrams and schematics, are out where they're needed, not back in the files. So when an electrician reaches the trouble spot he's got everything he needs. It's just one of the little things that add up to an efficient maintenance program.

Next month . . .

■ Are you making the most of what today's hard-surfacing methods offer? Our 16-pg practical manual will tell you what they can do, show you step-by-step how to hard-surface by electric arc, torch, spray and other methods, pass along sound tips on putting them *to work saving maintenance dollars in* your own plant.

■ In paper and textile mills, new ways of trapping Btu's cut fuel cost, as an upcoming article shows. Can such "economizers" help you?

■ Peacetime applications of nuclear research continue to grow. Right now radioactive materials are helping to find answers to industry's lubrication problems. A March story tells how.

■ Remember Ed Kates' comprehensive series on diesel instruments and controls? Starting next month, a new one, *on governors, takes you from fundamentals* right through specific types to practical applications.

. . . and future months

■ To see how pumped storage improves power-system operation, watch for our story on Switzerland's Etzel development. In its 120,000-hp hydro station, two 35,000-gpm 5-stage pumps work against the high head of 1611 ft.