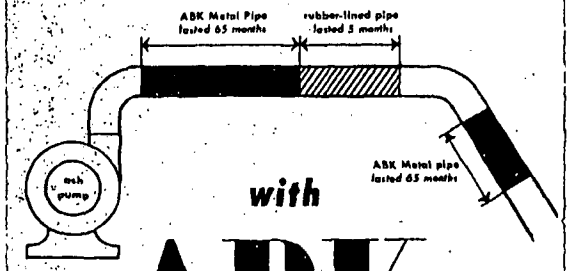
MORE than 10 TIMES the LIFE

in this ash system test



with

ABK METAL

THIS ash removal system was installed five years ago in a Midwestern power station. More than 100 feet of ABK Metal pipe and rubber-lined pipe were specified for the purpose of a comparison test. Results serve as one more illustration that ABK Metal outlasts other types of abrasion-resistant materials. For ABK Metal gave *thirteen times* the life of special rubber-lined pipe.

So the evidence keeps rolling in that ABK Metal is the most economical material for handling abrasive ash. Savings on replacement parts plus reduction in down time and maintenance add up to really worthwhile operational economies. ABK Metal minimizes the destructive wear of abrasive ash and clinker because of the controlled, uniform structure and extreme hardness of this nickel-chrome iron.

Don't let wet or dry ash abrasion steal your operating dollars. Specify castings in ABK Metal, an exclusive Brake Shoe product.

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More POWER NEWS

bines, 11% in large hydroturbines in turbogenerators and 86% in h generators.

Some Pro's and Con's On Atomic Energy

► THE U. S. ARMY has started preli ary studies concerning the feasibi of using nuclear reactors to supply tric power for remote military ba Objective of these studies is to mate costs of such power and as them, *both costwise* and in the ligh possible emergencies, against orth power operations at certain army stallations.

Bases now being considered and er details of this study are under he secret wraps. But the defense dep ment has been buzzing with specula over the feasibility of atomic po plants at outposts such as the fuel-a Thule Air Base on Greenland. Th has been some talk, too, about pow reactors at island bases whose supp lines might be cut in event of war.

Only one power reactor of capac and design pertinent to the army stud is now in existence. This is the lan based prototype of a submarine pr pulsion unit now undergoing tests the AEC Proving Grounds near Arc Idaho. Built by Westinghouse Electri Corp and AEC's Argonne Nation Laboratory, this unit has a reporte useful capacity in excess of 12,000 k

Some authorities estimate that a sim lar reactor can be built now to produc power at costs ranging from three t six cents per kwh.

ATOMIC ENERGY IN INDUSTRY will be the subject of the 2nd Annual Confer ence of the National Industrial Con ference Board, Inc. A special meeting of the board, this conference will be held October 29-30 in the Waldorf-As toria Hotel, New York.

The following subjects will be cov ered in the various discussions: *(1) Changing the Atomic Energy Act—Pro and Con (2) Reactor Design and Tech nical Developments in New Metals and Coolants (3) Developing Commercial Atomic Power—Analysis of Company Group Feasibility Studies (4) Cutting Costs Through Use of Radioisotopes (5) Possible Economic Impact of Atom ic Energy (6) Improving Product Qual ity with Use of Radioisotopes.*

Throughout the 2-day conference, the following reactor models will be on dis play on the Sert Room Terrace:

(1) Brookhaven Reactor — a scale model of one of the worlds largest re actors used solely for research. This



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