

READER SERVICE SECTION

POWER NEWS
TECHNICAL BRIEFS
PLANT EQUIPMENT NEWS
NEW FREE BULLETINS



HYDRO-QUEBEC, world's largest hydraulic pipeline dredge, is clearing the entire 3300-ft width of the 15-mile Beauharnois Canal in Quebec. The 280-ft vessel displaces 2500 long tons. General Electric 8000-hp wound-rotor induction motor, shown

at right, drives the dredge's single suction centrifugal pump that can lift and discharge 28-in. glacial boulders weighing up to 1500 lb. Giant 18-ft dia motor receives power directly from utility via 4000-ft cable laid on the bed of the canal.

ISCC Urges Caution in Use of Unscientific Devices For Corrosion Prevention

► THE INTER SOCIETY CORROSION COMMITTEE has become greatly concerned about hazards that may result from dependence on certain unproved devices for controlling corrosion and scaling. The Committee recommends extreme caution in the application of such devices, since any failure to give protection where a real problem of corrosion or scaling exists may result in serious damage to expensive equipment.

The above statement was issued by a subcommittee appointed by the Inter Society Corrosion Committee at its March 1954, 1955 meeting in Chicago.

ISCC consists of about thirty-five delegates from the major technical societies in the United States and Canada that are actively concerned with problems of corrosion control and with the scientific reduction of economic losses caused by corrosion. Through this word of caution and in accordance with its established objectives, the Committee seeks to promote use of the many scientifically sound and effective devices and processes presently available and to discourage dependence on unsound and ineffective methods of control.

The Committee wishes to draw particular notice to devices not based on any understandable scientific principle but usually promoted on the basis of testimonials—unsupported by quantitative data—from "satisfied" customers. The Committee calls special attention to supposedly scientific explanations making liberal and often incoherent use of high-sounding technical terms. These explanations, it claims, have no apparent basis in scientific fact.

In some cases manufacturers recommend (Continued on page 256)

Donald C McGraw Succeeds Brother As President of McGraw-Hill

► DONALD C McGraw has succeeded his brother, the late Curtis W McGraw, as president of McGraw-Hill Publishing Co., Inc. The Board of Directors elected him president at a meeting held Sept 17.

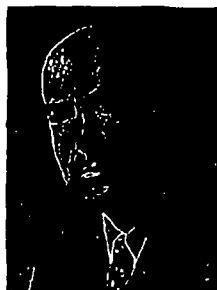
The new president is the youngest son of the late James H McGraw Sr., founder of the company. He has been a director since 1935 and vice-president since 1945. During World War II he was a consultant to the Publishing and Printing Division of the War Production Board.

A native of Madison, N. J., Mr McGraw now is a resident of Summit, N. J.

He is a graduate of Lawrenceville School and he attended Princeton University. During World War I, he served with the U. S. Navy.

Mr McGraw joined McGraw-Hill in 1919 as a member of the advertising staff of Chemical and Metallurgical Engineering, now Chemical Engineering. Two years later he transferred to the pressroom and composing room. Mr (Continued on page 256)

For coming events see page 256



Donald C McGraw

READER SERVICE SECTION

Three Reasons Why ...Years of Trouble-Free Service

One Few moving parts!
Bayonet contacts (1) are the only moving parts of the Ruptor interrupting device.

Two Easy inspection!
Drop the tank, and the bayonet contacts are visible in open position. For access to the stationary contacts, one needs only to remove four bolts and cylindrical shell (2).

Three Self-aligning and Self-cleaning contacts!
Tulip and bayonet contacts (3) maintain high conductivity without readjustment or cleaning. Arc energy is minimized by efficient interruption within oil-filled Ruptor unit. This in turn contributes to long contact life and low oil deterioration.

In addition, a mechanically trip-free solenoid operating mechanism controls contacts of time-proved Ruptor interrupting devices. And pole unit mechanism is self-lubricated—completely enclosed—sealed from dust, dirt, corrosion.

In brief, Allis-Chalmers DZ breakers are built to assure years of dependable, trouble-free service.

Allis-Chalmers power circuit breakers are available in ratings from 2.5 to 230 kv, with interrupting capacities from 15,000 to 10,000,000 kva, to meet all industrial and power company requirements. For more information, call your nearby A-C representative, or write to Allis-Chalmers, Milwaukee 1, Wisconsin.

Ruptor is an Allis-Chalmers trademark.



TYPE	RATED KV	MINIMUM KV AT RATED KVA	RATED AMPS	KVA INT. CAPACITY
DZ-40B*	7.2	2.3	600 1200 2000	100,000 100,000 100,000
DZ-60B†	13.8	4.0	600 1200	150,000 150,000
DZ-100B†	13.8	4.0	1200	250,000
DZ-200B†	13.8	6.6	1200 2000	500,000 500,000

*Ask for Bulletin 7186179. †Ask for Bulletin 7186129.

ALLIS-CHALMERS

