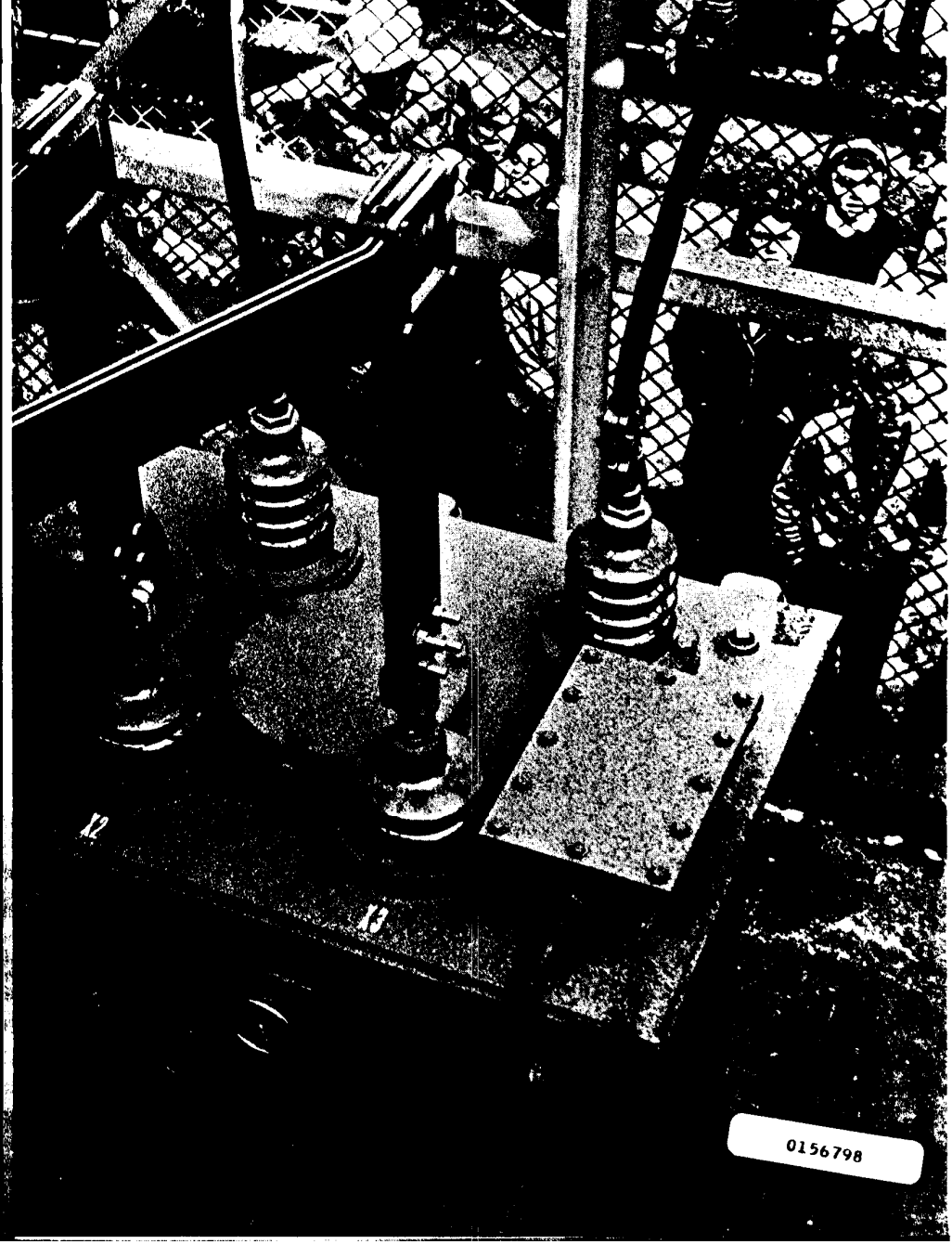
This advertisement highlights the advantages of askarel transformers. Additional facts are detailed in Monsanto literature which we will be happy to send to you. Just attach the coupon to your letterhead and mail.

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Why and where American industry uses

ASKAREL TRANSFORMERS

Askarel-type transformers give you safety, dependable long service, minimum maintenance, and actual savings on capital costs. These are the reasons why so many electrical utilities specify askarel transformers for their own networks and recommend them for industrial installations.

WHY YOU SHOULD NOT THINK OF ASKAREL TRANSFORMERS AS A "SPECIALTY"

Askarel transformers are supplied by every major electrical equipment manufacturer in capacities from 25 to over 15,000 KVA. The askarel liquid insulation is readily available all over the world (from the transformer makers *and* from Monsanto). The final cost of an askarel transformer "in the line" can be equal to or actually lower than that of ordinary oil or dry types. And you may find it advisable and prudent to provide the SAFETY and dependability of an askarel transformer in almost all indoor (and many more outdoor) installations. In quick rundown, here are the advantages you buy when you select an askarel-type transformer:

SAFETY AND DEPENDABILITY

... are first and foremost, of course! Askarel transformers cannot explode forth a fire-carrying stream of burning oil. Askarel liquid insulation just cannot be made to burn. Even when one is exposed to strong accidental arcing or a lightning bolt, the "gas" formed is not combustible. And properly built askarel transformers are as dependable as they are safe! A modern, welded-design *askarel transformer* can be depended upon for roughly a generation of trouble-free service, with minimum maintenance. Since the askarel transformer's introduction in 1930—including early, indifferently gasketed models—manufacturers report an over-all failure of less than 0.5% for all units under test and service conditions. Edison Electric Institute's last report on member utilities reports a failure rate of 0.13 per hundred banks per year!

ECONOMICAL CAPITAL INVESTMENT

An askarel transformer's initial cost, size for size, may run 15% higher than an oil type or about the same as a dry type; and much lower than a sealed gas type. BUT, no fire walls need be built around it; it does not need a remote spot or sound insulation. This safety and the low sound level enable you to install it *close to use points . . . which can significantly* reduce costs, including the wiring needed for power distribution. When the over-all costs are figured—the askarel-type transformer is often the lowest-cost installation.

MINIMUM MAINTENANCE

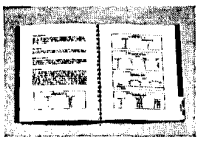
With a properly built askarel transformer, you can virtually forget maintenance. There need be no worry about sludging, oxidation, shell corrosion, insulation stability. These factors were all controlled *in the molecule* when the askarel was manufactured. An electrical engineer who is an authority on transformers once summed up the maintenance practice for askarel transformers with: "Keep 'em dry and let 'em alone!" In fact, a once or twice a year checkup on the dielectric strength (the indicator of *moisture pickup*) is *normally all that's* necessary or even advisable. The liquid askarel insulation in a properly sealed unit in normal service will last over 30 years.

GET COMPLETE INFORMATION NOW

... from your regular manufacturer of electrical equipment, or from Monsanto. If you specify transformers for industrial plants, public buildings, defense installations, shopping centers, or wherever distribution circuits are close to people or expensive equipment, you'll find askarel-type transformers can offer you a margin in both safety and final costs. Write for the two folders offered below that take you ten minutes to read. These will give you the complete information on why an askarel transformer should be considered for each new installation, and will show you why maintenance is so simple. Certainly, you will be able to correct many misconceptions about the need for testing (which is infrequent and simple); you'll know how to interpret readings on dielectric strength, power factor, volume resistivity. Until now, this information was not widely available, never in condensed, quick-to-read printed form; it was locked in the minds of just a few experienced engineers. Now you can read *the facts* and check them with your regular transformer supplier. Simply request copies of *"When you want fire safety, reliability, minimum maintenance—specify Askarel Transformers"* and *"Care and grooming of Askarel Transformer Fluid."* After ten minutes of reading, you will have the facts. And with this understanding, you will be more fully qualified to judge where an askarel transformer recommends itself for your choice.

Just attach the coupon to your letterhead, and we'll get the material off to you right away.

Mail to:



MONSANTO has published recently this complete maintenance guide for engineers now operating askarel transformers in their distribution systems. It gives complete information on the simple inspection recommended and may greatly reduce your established maintenance procedure.

Monsanto Chemical Company
Organic Chemicals Division
Dept. 2 St. Louis 66, Mo.

Monsanto®

Name _____

Title _____

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0704—34038 Electrical World, March 11; Plant Engineering, March, 1963.

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