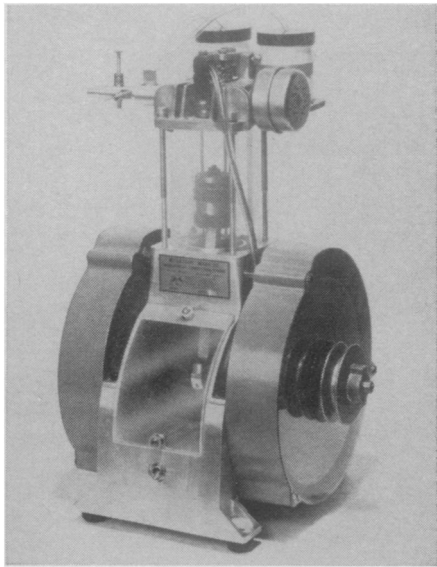


new products

Transparent engine



Megatech Corp. has introduced a quarter-horsepower four-cycle internal-combustion engine with a transparent plate revealing activity within the combustion chamber.

Its primary purpose is to permit students and other experimenters to observe combustion characteristics of various fuels for pollution studies and for advanced studies in gas dynamics, combustion and flame propagation, says the company.

The engine operates without lubricant oil. Thus, claims the company, with the use of a clean fuel such as ethyl alcohol, the engine can be operated within an enclosed space without pollution.

Megatech Corp.
Belmont, Mass.

Circle No. 109 on Reader Service Card

Precipitator modifier

Electrostatic precipitators are currently the most efficient devices available for removing particulate materials from industrial stack emissions. But after a certain level of efficiency is achieved, costs for achieving yet more efficiency are very high.

Resource Control, Inc. is marketing a device it says can improve precipitator efficiency "by a significant amount" and at the same time reduce power requirements for precipitator operation by one-third.

Called a longitudinal frequency generator, the device modifies the char-

acter of the electrical charge within the precipitator. A high-frequency pulsating wave causes precipitator plates to tolerate a higher charge without sparking. This improves particle collection, says the company. The device can be fitted to most electrostatic precipitators. Field tests have been conducted on power plants owned by a New England utility.

Resource Control, Inc.
West Haven, Conn.

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Consumer information

Reliable consumer information is hard to come by as new products proliferate and they become increasingly complex. The Commerce Department's National Bureau of Standards, as part of the Administration's consumer program, has begun to publish a series of consumer booklets.

Now available are *Fibers and Fabrics*, *Tires, Their Selection and Care*, and *Adhesives for Everyday Use*. The first two are 65 cents each, the last one, 40 cents.

NBS does not test products or recommend them. But the information in the booklets provides a knowledgeable basis for consumer selection.

Five more booklets are now being prepared: *Hearing Aids*, *Care of Books and Documents*, *Flooring*, *Plywood* and *Seat Belts*.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C.

Aquatic plant remover

As one approach to the problem of eutrophication, some scientists have recommended harvesting the aquatic plants that choke waterways when there are excessive nutrients (SN: 7/4/70, p. 17). Such harvesting prevents the recycling of nutrients bound up in the plants, and it physically clears the waterway.

AIR-LEC Industries, Inc. is marketing weed cutting and collecting devices that can be attached to the prow of a small boat for use by individuals or small organizations. The cutting device is composed of self-sharpening, toothed sickle blades operated by a small internal-combustion engine. The collecting device is a rake that extends into the water for collection after cutting. The cutting device will cut a swath three and a half feet wide.

AIR-LEC Industries, Inc.
Madison, Wis.

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Products are selected and listed as an editorial service. The claims are the manufacturers'. For further information circle the appropriate number on the postpaid, self-addressed Reader Service Card.

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 size 44 to 52—\$8.98 plus 70c pstg. & hdg.
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