Fuel now possible

An unexpected discovery in the course of basic research at MIT may make a powerful new fuel additive available for rocket propulsion. A possible means of controlling and storing ozone—normally a highly explosive and dangerous substance—has been found by Professor Lawrence J. Heidt, of the Department of Chemistry, and his pre-doctoral thesis student, Vincent R. Landi, of the Department of Chemistry, and his pre-doctoral thesis student.

If this finding proves out in practice, high-energy ozone could be substituted for oxygen in rocket fuels. Calculations indicate that the use of ozone instead of oxygen would provide a 20 per cent boost in energy over that of the recently developed hydrogen-oxygen fuel without any increase in weight.

The conclusions of their research, which grew out of studies on ways to utilize sunlight, were published in the July 1964 issue of "The Journal of Chemical Physics" of the American Institute of Physics.

Ozone is familiar as the diffuse and harmless gas that causes a pungent odor often noticed in the vicinity of electrical machines and after lightning flashes. A sort of "super oxygen," the unstable ozone molecule is made up of three atoms of oxygen—as compared to two atoms in a molecule of oxygen gas—and contains extra energy that is easily released. At about 201 degrees below zero Fahrenheit, ozone becomes a dark blue liquid, which is easily exploded—as are ozone-oxygen mixtures containing more than 30 per cent ozone.

Interviews this week for library staff

Freshmen and upperclassmen interested in positions in the MIT Library staff for the coming year will be interviewed on registration day, Monday, September 11, in Room 4405-6, in the Science Library basement, east end. The interviewing hours will be 10:00-12:30 and 1:00-5:00. Inquiries may be made by calling extention 5694.

You are cordially invited to attend the

METROPOLITAN BAPTIST CHAPEL
20 GARDEN STREET, CAMBRIDGE
(Near Harvard Square at the Commons)
Worship at 11 A.M. and 7:30 P.M.
Sunday Student Activities
Bible Study at 10:00
Colloquium at 6:30
Cooperating with
The Southern Baptist Convention

Computers program copyrighted

An MIT graduate has secured the right to copyright computer programs. In his first request to the U. S. Copyright Office, John F. Banzhaf, 3rd '62 attempted to copyright programs for a legal study. The first application was rejected.

Banzhaf, currently a law student at Columbia University, cited many cases in support of his position. His application was later granted. The Copyright Office has credited Banzhaf with being very helpful in the new change of policy.

Now computer programs representing a significant contribution to the computer field may be leased and rented under the protection of the U. S. Copyright Law.

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