



NO INTOXICATION—You can't get drunk just by inhaling the fumes of alcohol. David Lester, left, and Leon A. Greenberg, right, are here performing experiments with an assistant showing that alcohol vapor, even though inhaled in this manner, does not intoxicate.

MEDICINE

Fumes Will Not Intoxicate

► IF YOU take your alcohol by inhaling it, you can take all you want without getting drunk. But persons taking antabuse treatment for alcoholism should stay away from alcoholic fumes such as might be found in factories where industrial alcohol is used. They might have as violent a re-

action as if they took a drink while on antabuse.

These conclusions are reported by David Lester and Leon A. Greenberg, research associates in the Yale Laboratory of Applied Physiology. They say "it is virtually impossible" for a person to become intoxicated simply by inhaling a large amount of alcohol.

Up to 62% of alcohol vapor inhaled can be absorbed into the blood stream. The remaining 38% is usually exhaled. But the 62% absorbed by the blood is burned by the body fast enough to prevent intoxication.

A person who is drinking alcohol, however, will get drunk much faster if he is in a room with large amounts of alcohol vapor in the air. Details of the studies are published in the Quarterly Journal of Studies on Alcohol (June).

Science News Letter, June 9, 1951



NEW! NATIONAL SPRAYER

2-4-0 ON LAWNS SPRAYING, ROSES, SHRUBS, Etc. FOR APPLYING FERTILIZER

Patent Pending

Sprays direct from your mixing bucket weed killers, Rose and Shrub sprays, etc. Also sprays any soluble fertilizer such as Ammonium Sulphate evenly and without burning the lawn. No hand pumping, water pressure does the work. 1 gal. concentrated in mixing bucket makes 10 gals. spray. Will not clog on soapy sprays. All-metal with filter screen. Also pumps out small fishponds when desired. Aerates fishponds with oxygen from the air in few minutes. Keeps lawns, shrubs, fishponds in tip-top shape with less work and investment. Fully complete. 5 day trial money back guarantee. Dirs's solicited. Literature on request or sent COD if desired plus postage. Sent prepaid with remittance of \$1.98. Prompt shipment.

\$1.98 POSTPAID

National Laboratories

11800 S. E. Linwood Ave., Portland 22, Ore.

INDUSTRY

Razor Blades of Glass Produced by New Method

► RAZOR BLADES made of glass, designed to replace the ordinary steel type, are produced by a method on which the government has issued a patent. The keen cutting edge on the glass blade is made by grinding followed by treatments in an etching bath.

The blanks from which the blades are made are similar in size, thickness and quality of glass to high quality microscope slides. It has been found, the inventors claim, that glass blades of superior keenness and edge-holding quality can be produced economically by their process.

It includes grinding on a relatively rough stone, rotating away from the edge, and then subjecting the edge to a series of short dips in an etching bath, following each dip with rinsing or cleansing. The etching bath contains hydrofluoric acid.

Inventors are Irving D. Wallach, Port Washington, and Emil C. Joost, Springfield Gardens, N. Y. They received patent 2,555,214.

Science News Letter, June 9, 1951

GO PLACES Learn Another LANGUAGE Easily, Quickly, Naturally by LINGUAPHONE



The World's Standard Conversational Method—gain

- Doubled Travel Enjoyment
- Greater Business Opportunities
- Wider Cultural Horizons
- Professional, Scientific and Educational Advancement
- Special Assignments in Armed Forces, Government Service.

You Can Learn Any One of 29 Languages in Just 20 Minutes a Day. Linguaphone is

the natural way to learn languages. You hear both men and women speak in their native tongue. You listen. You learn. You understand. You speak with correct pronunciation, proper tonal inflection. It's all amazingly easy! In peace or war, another language can mean power, promotion, a better job, more pay, greater cultural and travel opportunities to you. Right at home, in leisure time, master:

ARMED SERVICES SPANISH GERMAN FRENCH RUSSIAN
—any of 29 languages available the LINGUAPHONE WAY!
Linguaphone Institute 3106 Rock. Plaza N. Y. 20
FREE book gives fascinating facts, about LINGUAPHONE—why it is used by colleges, schools, armed services, and has been the choice of more than one million home study students. STOP wishing. START talking. MAIL COUPON TODAY!
Courses approved for Veteran's Training

SEND FOR FREE BOOKLET

Linguaphone Institute
3106 Rockefeller Plaza, N. Y. 20, N. Y.
Send me the FREE Linguaphone book.
I want to learn.....language.
NAME.....
ADDRESS.....
CITY.....
 Check if eligible under G. I. Bill.

● **RADIO**

Saturday, June 16, 1951, 3:15-3:30 p.m. EDT
"Adventures in Science," with Watson Davis, director of Science Service, over Columbia Broadcasting System.
Dr. W. E. Dove, director of entomological research, U. S. Industrial Chemicals, Inc., Baltimore, Md., will discuss "War Against the Insects."