

Do You Know?

When *lawn*s are sprayed with the 2, 4-D weed killer to destroy dandelions and plantains, it may be expected that the growth of the grass will be checked somewhat by the spraying; the check is usually only temporary, however.

Rat control requires continual attention; rats begin to breed at three or four months of age, the gestation period is about 23 days, the average litter is probably ten, and one female may have from six to ten litters a year.

An instrument for *remote measurement* of humidity at room temperatures, developed by the Army, uses two fine wire thermocouples, one of which is continuously wetted by a wick.

In the Dominican Republic, where much *coffee* is raised and used, it is considered bad luck to drink coffee while standing.

Abundant quantities of *helium*, the lightweight, noninflammable balloon gas, are now available for industrial and medical applications.

Liquid soap can be made from surplus Napalm, a gasoline thickener used in flamethrower fuel, by a process developed by the Army.

YOUR HAIR AND ITS CARE

By O. L. Levin, M. D. and H. T. Behrman, M. D.

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Medical science is better equipped today than ever before to prevent trouble above the hair line; or, should some difficulty already have arisen, to deal effectively with it.

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would send out short waves that would blanket the earth's surface like a giant inverted ice-cream cone covering an area over 400 miles in diameter. This is an area equal to the combined areas of New York, Pennsylvania and New Jersey.

Can Also Relay Programs

The system proposes airborne transmitters and relays. The same aircraft which broadcasts programs will serve to relay these programs to other transmitting planes. Cruising about at 30,000 feet above the earth, seven planes can provide complete New York-Los Angeles broadcasting and relaying coverage. Eight additional planes would provide coverage for nearly four-fifths of the country's population.

Relaying between the aircraft is relatively simple since the line-of-sight distance at 30,000 feet is over 400 miles. Moreover, the high altitude minimizes the effects of ground interference which troubles ground transmission.

Proposed system of airborne relays to rebroadcast programs received from ground stations must not be confused with the system, already successfully demonstrated, of airborne cameras and

television equipment that take and transmit action pictures, with sound, of events as they occur on the earth below. The television images may be picked up by television receivers within range, or by relay stations for transmission and re-broadcast. With this equipment, a military staff 200 miles from the fighting front could view the battle as it progresses.

Science News Letter, June 15, 1946

ENGINEERING

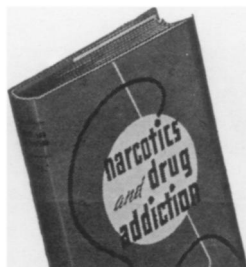
Nuclear Energy for Ship Propulsion

► AN ATOMIC powered warship could travel a million miles, (back and forth across the Atlantic 160 times) on one fuel charge, Harry A. Winne, General Electric Company vice-president, declares.

Ship propulsion is likely to be the first practical power application of nuclear energy, he explained.

Since atomic power for marine propulsion could be used more freely than oil so far as weight is concerned, Mr. Winne foresees important increases in the power and speed of any class of merchant or fighting vessel.

Science News Letter, June 15, 1946



NARCOTICS AND DRUG ADDICTION

By ERICH HESSE, M. D.

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Among the Subjects Discussed

Narcotics and Stimulants
Pharmaceutical Opiates
Alcoholic Beverages
Traffic Accidents
Tea and Coffee
Cola and Cocoa
Marihuana and
Tobacco Intoxication
Pharmacology of Nicotine
Opium and Morphine
Coca Leaves and Cocaine
Spruce and Cactus Narcotics
Hashish and Kava-Kava
Rare Addictions

An up-to-the-minute survey of the immense quantities of narcotics and stimulants thrown on the world market through channels legal and illegal.

Narcotics and stimulants are clearly analyzed and described, according to their psychic and physical effects.

This book further endeavors to convey a pharmacological and toxicological knowledge, as well as to outline the general medical significance of narcotics and stimulants.

The drug addict is investigated in various case histories; experiments and tests on human beings as well as on animals are cited.

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