

## Do You Know?

In one summer, a single *fireweed* plant will produce 80,000 seeds.

Bodies of some postwar *cars* may be made of plywood.

The *muscle fibers* of man are approximately .001 inch in diameter.

The *cowbird* perches on cattle to feed upon insect parasites.

*Leaf-cutter ants* cultivate for food a certain fungus on balls of leaf tissue.

Some incubator-hatched *turkeys* never learn to eat without help; force-feeding is sometimes necessary.

The *bat* usually has a single young one at a time, and the mother carries it about on her aerial journeys.

The saw on a *sawfish*, which may be five feet long, is a weapon of defense, as with it dangerous sidewise strokes can be made.

*Alcohol*, made from molasses, sugarcane and surplus sugar in Brazil, is mixed with gasoline and sold for motor fuel.

There are no *sulfa drugs* or even sulfonamides of any description in nature as far as is known; they are products of synthesis.

Many reports of the amount of *ozone* present in the air are inaccurate, due to the difficulty of knowing that it is ozone being tested, and not some other oxidizing matter.

Fresh-cut *saplings*, stood for about six hours in a tub containing a solution of chromated zinc chloride, zinc chloride, or copper sulfate, rot much more slowly in the ground when used as fence posts.



## WYOMING

### A Summer to remember

The 900-acre Paton Ranch will give you trout-fishing in a mountain stream in the foothills of the Big Horn mountains, daily horseback rides along picturesque canyon trails and excellent food—most of which is grown on the ranch.

The region abounds in geological and historical interest—dinosaur bones, marine fossils and implements used by the Indians many years ago.

Write for illustrated, descriptive folder

**PATON RANCH, SHELL, WYOMING**

These and other estimated figures of the accumulated dental needs of the population were discussed at committee hearings on dental research and dental care bills. Chairman of the sub-committee on health is Sen. Claude Pepper of Florida.

Dental neglect among children aged six to 18 is such that, according to the estimates, only about 5,650,000 of the annual crop of 22,500,000 decayed teeth are filled.

The population over age three also has

an accumulated need for 39,500,000 crowns and bridges, 20,000,000 partial dentures (false teeth), 20,000,000 dental disease treatments and 125,000,000 prophylactic treatments.

Since 1940, one-third of the civilian dentists have gone into the armed services, the committee was further informed. Indicating the variation in availability of dental care, California in 1940 had one dentist for every 1,279 people while South Carolina had one dentist for every 5,263 people.

*Science News Letter, July 14, 1945*

### AERONAUTICS

## Planes To Be Tripled

► **AIR-MINDED** America will have ample aircraft in the near future for passenger travel, air express and mail. Nearly three times as many planes, with nearly six times the seating capacity, will be available for commercial uses as there were before the war when 409 new planes, now on order or on option, are ready for use. All 19 American airlines are increasing their facilities.

These 19 airlines of the United States expect to have 975 planes in their postwar fleets, it is revealed by the Air Transport Association of America. The planes will seat 36,180 passengers. They will provide greater speed, comfort and service than air passengers have ever experienced before. The additional planes will be new, not converted surplus military transports. It has been found, the association states, that the cost of conversion of military transport planes is greater than the cost of new equipment.

The giant of the new planes under order is a 320,000-pound craft, powered with six 5,000 horsepower engines, seating 204 passengers, and with a cruising speed of 340 miles an hour which will enable it to travel from New York to London in nine hours. A new Mars-type 165,000-pound flying boat, four-engined, carrying 106 passengers, will be able to cruise at over 200 miles an hour with a payload of 28,000 pounds for more than 3,000 miles.

Other new planes will have seating capacities ranging from 128 down to 14 passengers. Some will have cruising speeds up to 325 miles per hour. Several will weigh 100,000 pounds or over.

The new planes for overnight trips will have different combinations of staterooms, berths and reclining chairs. They will have separate rest rooms for men and women. Wherever necessary all

planes will have pressurized cabins to maintain low-altitude conditions at "over-the-weather" heights, together with air-conditioning, thermostatic temperature control, and individual ventilation. Windows will be larger and better arranged for observation. Electric stoves and refrigeration will permit the serving of satisfying meals.

Many scientific war developments that gave American war planes advantages over those of the enemies will be incorporated into the new civilian commercial aircraft. Among these are radar and electronic devices which permit landing under practically zero ceiling and visibility, and avoid risk of collision by enabling pilots to see other planes even in the thickest weather.

Among the new instruments is the Sperry "Gyrosyn" compass, which is a gyro synchronized with a magnetic compass, giving much greater accuracy in navigation. Also there is a far-advanced, radio-aided system of airway traffic control, which will be vital when planes are landing and taking off six a minute at the larger airports.

*Science News Letter, July 14, 1945*

## NEW "PICK-UP" CANE

Permits Disabled Persons To Pick Up Small Articles Without Painful Stooping.

### NO OTHER CANE LIKE IT

The Mason "Pick-Up" is a light double purpose cane with concealed patented pick up mechanism that enables the user by simple finger pressure and without any stooping to easily pick up papers, pencils, cards, coins, etc. Proper balance and rubber grip tip insures safer walking. Use a beautifully finished Mason "Pick-Up" Cane yourself or as a perfect gift for a disabled service man or friend. Write today for FREE CIRCULAR and 5 DAYS TRIAL OFFER.



W. H. MASON Box 27, Leesburgh, Ohio