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Ortho Cushion is a foam Rubber cushion with a counterweighted backrest, has a non-skip grip, stays in place. Adjusts to any height or position. Stays put on chair, sofa, chaise. Everyone in the office should have it.



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# Do You Know

Fruit should not be set in a sunny window to ripen, because overheating is likely to cause the fruit to decay before it can

The total number of forest fires in the U.S. was under the 100,000 mark for the second year in a row in 1958 with 97,910 fires reported.

Water supplies of 1,903 cities and towns in the U.S. with a combined population of 7,000,000 contain enough fluoride naturally to prevent two out of three dental cavities.

It has been estimated that 10,000,000 Americans spend \$500,000,000 annually for dietary supplements, concentrates, pills and capsules claimed to be "cure alls."

Malaria, until recently, caused more deaths and chronic ill-health in the world than any other single disease.

Farmers are almost twice as likely as city dwellers to fall victim to the U.S.'s greatest crippler, arthritis.

TEXTILE TECHNOLOGY

#### **New Treatment Increases Cotton's Rot Resistance**

A CHEMICAL treatment that makes cotton fabric more resistant to rot and weather promises to open new markets for cotton in awnings, tents, tarpaulins and other outdoor fabric items.

Developed for the U.S. Department of Agriculture by its Agricultural Research Service, the treatment is based on use of a water-soluble acid colloid of methylolmelamine, a chemical well-known for its resinforming qualities.

The resin penetrates the outer portion of the fiber cell wall to become a part of the fiber rather than just a coating. It thus makes cotton virtually immune to rot and mildew.

In tests using soils containing fabricdestroying bacteria, untreated cotton was in shreds after one week, while treated cotton retained 100% of its breaking strength after 21 weeks.

Other research has shown that the treatment can be used with some fabric-coloring pigments to increase cotton's resistance to deterioration by sunshine.

Science News Letter, August 8, 1959

#### Insect-Eating Bird Flocks **Follow Paths of Ants**

THE HORDES of foraging army ants that march across the jungle floor leaving desolation in their path are followed by large flocks of insect-eating birds that swoop Jown upon insects driven from their hiding places by the devastating ants.

This strange natural partnership between birds and ants is being studied at the Smithsonian Institution's jungle reservation on Barro Colorado Island, Canal Zone, by Dr. Robert Barth of Harvard University.

Dr. Barth has found that the mixed bird flocks apparently never bother the ants themselves. Instead, they feast on grasshoppers, worms, tarantulas, etc., that flee the ants' path.

The nucleus of such a bird flock is composed of the black and white jungle "antbirds," so called because they follow ants rather than because they eat them.

About a half dozen other species also are found in the flock. These attach themselves somewhat like camp followers, mixing freely with the main flock. They include puffbirds, motmots or "time birds," wrens, flycatchers and tanagers.

A glimpse of such a bird flock is almost certain evidence that a major ant column is moving along the jungle floor below with a front varying in width from three to 20 yards.

The same bird group may follow the same ant columns for days, and even the smallest of the birds descend fearlessly among the ants, apparently unmolested by

Science News Letter, August 8, 1959