## ASK THE SCIENTIST

If you have a question to ask dangerous type. the scientists, mail it to the New ; York Press Association, The Castle, Syracuse, 10, New York. The Science Board of the Radio Workshop at Syracuse University will answer each week in the Andover News those questions considered most interesting and timely.

worst enemy?"

enemies, is old age, senility, them.—Prof. Jones, known to ancient scholars as the summum malum, the greatest ill. Question 4. What is water So far as the species is con-glassous young.

living things which are able to Aden King, chemist. inflict any significant injury on the human race.

tirely to India. In that country "Aluminum utensils are as safe there are about 29,000 deaths a as those made of iron." year from cobras. Natives go around barelegged and have a Extensionists Warn of religious taboo against killing even poisonous snakes. In other tropical regions there are occasional deaths from snake bites, cultural extension services advise but not in important numbers, homemakers to heed the warning of No other large animals kill any USDA safety and health advisers significant number of persons.

mammals, measured by the num-ing garments at home. The best anber of men killed by them, is swer on how to dry clean is "don't" not the lion, the tiger, elephant, -unless you are very cautious. Garbuffulo, or rhinoceros. It is the ments may still be dry cleaned domestic bull. Except in rare more efficiently and safely by dry instances none of these potential-cleaning establishments. ly dangerous wild animals will! However, those who still feel they make an unprovoked attack on can do this work successfully at man.

millions of persons are killed non-flammable cleaning fluids on each year by microscopic organ-the market - but remember isms that invade their bodies, that cleaning fluid may be marked Which individual species of these "non-explosive" and still be flammicroorganisms is the cause of mable. Never, under any circumthe most deaths is something stances, use gasoline, naphtha, or that varies from year to year kerosene for garment cleaning purand place to place. Topping the poses. Keep the hands out of the list in this region are the tuber- fluid by using a suction washer especle bacillus and preumococci, cially if the skin is sensitive. Do the Other great killers are the plague cleaning outside of the house where bacillus, the ricketsia of typhus, all toxic and other vapors will be the virus of yellow fever, the carried off in the open air. Dry cholert spirellum, and the pro- garments outdoors. Keep children tozoa of malaria.--Prof. Henry N. Jones, bacteriologist.

Question 2. What is the warmest part of the body? \_\_\_\_\_\_ for dry cleaning. Use mild soapsuds

to be the warmest part of the of rubbing and wringing. Roll in a body. — Dr. Verlus Lindeman, thick bath towel to remove excess zoologist.

Question 3. Why does granulated sugar melted into syrup and left for a time in an old tin container (not rusty) become greenish in color? Is it all right to use? Will sugar sour?

ANSWER. I am rather astonished by this account of syrup turning green in color. If it is true that the pail itself was clean and neither the sugar nor the water in which it was dissolved contained anything to color the syrup, then presumably the color was due to bacteria which grew in it. There are certain bacteria which producewater-soluble green pigments. One of these used to occasionally Even during periods of heavy snowcause slight infection around the fall, some grit is usually available stitches closing surgical wounds, in gravel and sand along roads, in what was known as stitch abscesses. Since the pus in color, the patient was often greatly alarmed, although actu- is the general lack of food and grit. the infection was not of a

species Very , similar found in water and soil. However, unless this syrup was unusually dilute, I cannot see how these bacteria could have grown in it. To answer the second question—sugar in dilute solutions will either sour, or, more rarely, undergo alcoholic fer-Question 1. What is man's mentation. If the fermentation is bacterial, acids will be the ANSWER. An oft. quoted chief by-products. If yeasts are statement is that man's worst responsible, ordinary grain alcoenemy is man. The greatest and hol (ethyl to the chemist) will be most inexorable enemy of each the chief by-product. But syrups individual person, the enemy are usually made up in such high which will eventually finish him concentration that neither bacoff, if he has escaped other teria nor yeasts can grow in

cerned, however, eventual death ANSWER. Water glass is from senility is not an ill at all sodium silicate. It is produced but a useful function, serving when soda ash as melted together to remove those individuals who with pure sand. This product have become the worse for wear dissolves in water to form a and making room for the vigor- sirupy liquid. Since it is composed of some of the same ma-Other living things are enem- terials used in making ordinary ies of man. Of these the patho-glass and it is soluble in water, genic microorganisms, the bac- it is called water glass. If some teria, protozoa, and viruses, are lime had been added to the mixunquestionable by far the most ture before melting, it would serious, in fact they are the only have been ordinary glass.—Dr.

(Note:) In a recent issue of this column, due to an error in Of vertebrates, only the pois-transcribing, the following sentonous snakes kill any large num- ence appeared: "Aluminum utenber of people. Death from this sils are not as safe as those made cause are confined almost en- of iron." This should have read:

## Dry Cleaning in Home

Clothing specialists for the agrithat many persons have been fatal-The most dangerous of all ly burned or disfigured while clean-

home should use only a non-flam-Hundreds of thousands or even mable fluid. There are many good and pets away.

Many homemakers have discovered that they can wash successfully many garments formerly sent out ANSWER. The liver is said ing and rinsing. Squeeze instead moisture rapidly. Press with a warm but not bot iron when almost

Retain Grit

Observations in Michigan, further confirmed by Pennsylvania and Iowa authorities, indicate that game birds can survive for many weeks without fresh grit. The function of grit, it is believed, is to aid digestion by grinding seeds. However, it has been learned that when a continuous supply is not available game birds are able to retain the grit they already have. One experiment showed that pheasants and quail can endure, without ill effects, 10 or more weeks of winter weather with no grit. wind-swept fields, and in ditches, Prolonged sub-zero temperatures, little lesions was green in blizzards and ice storms are much more hazardous to game birds than



## Andover's Roll of Honor

KILLED IN ACTION Staff Sgt. William Dougherty Staff Sgt. Charles R. Burgett Claude Drew, Jr., Sea. 1|c Pfc. Frank McKibben Pvt. William H. Crosby Pvt. Raymond L. Cartwright S Sgt. Charles W. Lever

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Get It? Susan—"Cora told me that you told her that secret I told -- you not-to-tell-her." ---Madge---"She's a mean thing! told her not to tell you." Susan—"Well! I told her I wouldn't tell you she told me so don't tell her I did."

Staff Sgt. Vincent Yannie

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