v of

you

with

cent.

just

elled

tha

55 1

re

npl

hov

ver

r u

isfa

ion

1

it.

to easily leave the comb.

HONEY AS A FCOD.

With regard to this matter of the position of honey as a food, honey must be classed with the sacclarine foods when considering its value. In order to intelligently appreciate its right value I shall have to say something two with regard to the general food consituents as found in all foods. It en at will not take me more than a few minutes just to outline their nature nd their composition and function in the animal system. We find that apar Il foods comprise a greater or less stiga mantity of the following classes of On onstituents Protein or albuminoids, Ir ex ats, starch and sugar, ash nor minerd b l matter. airs

Now first of all, with regard to rotein: Protein or albuminoid. hese materials all contain as an esential element of their constitution. trogen. Now if you asked me for nexample of protein or albuminoids should at first name the white of an g, which is pure albumen; it is e of the purest forms in which we n obtain protein; then the curd of ilk, and gluten of wheat are others. bere are more or less pure forms. tor oil I need not describe to you, cause we have in so many articles chas butter and various classes of s, materials that you are perfectly miliar with. You know what I an when I refer to and mention sati word fat. With regard to starch )tta sugars, those are known to the Was teral chemist as carbo-hydrates. 1115 have already learned from what ave said that starch and a sugar Nat related chemically so that all me se substances which come underth that head we call carbotrates; then there is also ash or eral matter which, in the body, sto form the bone. These subces you understand are present in greater or less proportion in nearly all our foods, though not in all; we shall see in that respect honey is not a complete food. Now I have said it is absolutely necessary that a complete food should contain these. Why? First of all the body requires something to build up its tissues continually. There is waste of our tissue due to muscular energy. Every time I speak a word or move my arm there is a certain waste of the system and this must be replaced, it is due to the protein or albumenoids that that repairing of the waste of the body takes place, and consequently in order to restore life we must have foods which contain a certain proportion of protein or albumenoid. Such have this quality of being muscle builders, body builders. They contain nitrogen, as an essential element. These other materials, fat and starch and sugar and so on do not contain any nitrogen. The chief intention with regard to protein and all albumenoids is to build up the body and repair the waste which hourly takes place.

With regard to the fat and sugar we have materials which are useful in keeping up the heat of the body. If you put a thermometer in your mouth you will find that the temperature is somewhere in the neighborhood of 100 degrees fahrenheit. is that maintained? In the same way that heat in the stove is maintained. The wood is burned in the stove; the food is burned in the body. It is really a process of combustion: and the combustion of fat and starch and sugar within our bodies gives rise to heat. Heat is only another form of energy. We know that. Therefore we are able to convert the heat produced by the cembustion of our foods into physical force or energy. So that we have in these