of our great universe. But we know has the first ray of light and heat kepon through space at the rate of 180,000 stone that lies loose on its surface has miles a second, and will it continue to go on for ages to come? If so, think changed and unmoved. of its distance now, and think of its Rather say that the problem, What becomes of it? is as yet unsolved.

Thus far I have described the the stars as much as they concern us. Let us now come down from starry and light on the surface of each, what than our earth? If solid land is there, would we find on it the homes of intelligent beings, the lairs of wild the fumes of some noxious gas?

except in the case of the moon. Our ferent parts of the planet. satellite is so near us that we can see

their distance from us. Taking the eternal deadness with the active around teaching of our science just as it us is great indeed. Here we have stands, we should say that all this heat weather of so many kinds that we continues to move on through infinite never tire of talking about it. But on space forever. In a few thousand the moon there is no weather at all. years it reaches the probable confines On our globe so many things are constandy happening that our thousands of no reason why it should stop there. of daily journals cannot begin to record During the hundreds of millions of them. But on the dreary rocky wastes years since all our stars began to shine of the moon nothing ever happens. So far as we can determine, every lain there through untold ages, un-

We cannot speak so confidently of still going on, to be forever wasted! the planets. The most powerful telescopes yet made, the most powerful we can ever hope to make, would scarcely show us mountains, or lakes, greatest of problems; those which we rivers, or fields at a distance of fifty may suppose to concern the inhabitants millions of miles. Much less would of millions of worlds revolving round they show us any works of man. Pointed at the two nearest planets. Venus and Mars, they whet our curiheights to this little colony where we osity more than they gratify it. Espelive, the solar system. Here we have cially is this the case with Venus. the great advantage of being better Ever since the telescope was invented able to see what is going on, owing to observers have tried to find the time the comparative nearness of the of rotation of this planet on its axis. When we learn that these Some have reached one conclusion, bodies are like our earth in form, size, some another, while the wisest have and motions, the first question we ask only doubted. The great Herschel is, Could we fly from planet to planet claimed that the planet was so enveloped in vapor or clouds that no persort of scenery would meet our eyes? manent features could be seen on its Mountain, forest, and field, a dreary surface. Some recent observers think waste, or a seething caldron larger they see faint, shadowy patches, which remain the same from day to day, and which show that the planet always presents the same face to the sun, as beasts, or no living thing at all? the moon does to the earth. Others Could we breathe the air, or would we see differently, and the best opinion choke for breath, or be poisoned by probably is that these patches are simply variations of light, shade, and To most of these questions science color, caused by the reflection of the cannot as yet give a positive answer, sun's light at various angles from dif-

There is also some mystery about it has no atmosphere and no water, the atmosphere of this planet. When and therefore cannot be the abode of Venus passes nearly between us and life like ours. The contrast of its the sun, her dark hemisphere is turned