

The Radiant Humanity Project



Konstantin Tsiolkovsky

Citizens of the Universe

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Citizens of the Universe

(2nd of August, 1933)

Here we would like to begin from the beginning, i.e., from elements of the Universe. Who is an immortal citizen of space? It is its atom. An atom - not the one known in science, but a true one - an indivisible particle, matter. Is there any of such? Hardly so. Let's refer to scientific facts. All so-called atoms (92 items) are composed of hydrogen. Hydrogen itself is complex. But there is also aether. It consists of extremely small particles. It is possible that all matter, i.e. all other atoms, consists of them.

A true atom is unknown. One thing is observed: the simpler the atom, the more difficult its disintegration is. The most massive atoms decay in thousands of years and even less. Less massive ones - in billions of years. Even more common - in billions, trillions and decillions of years. Particles of hydrogen and aether may be of this kind.

Matter is a carrier of sense, since there is nothing but matter. What then we can attribute a feeling to? Where the matter is, where the atom is, there is a feeling. Atom or a part of it can be called primal (primitive), or simple, spirit, but, as we have seen, each atom is a composition of the simplest. Destiny of an

unknown simplest one depends on participation of the atoms known to science.*

There are as many true atoms, as there are primal spirits. A primal spirit wanders through the universe and forms unions. We recognize only unions in the world. Life and feeling of an atom depends on the complexity of the union, which it is in: the more complex the union is, the more complex the activity and feeling of the atom. Here is a rough representation of gradually increasing complexity of an atom's life.

..... (beginning unknown).

1. Life in a particle of ether. Existence for decillions of years, and then disintegration into simpler particles or entering into a combination of more complex ones.

..... (gap of unknown length).

2. Existence for trillions of years in a hydrogen particle, and then - disintegration or entering a more complex structure.

3. Being in 92 atoms of known elements, then - disintegration or complication.

4. Life in plants and lower animals.

5. Life in human and higher creatures.

A single "Self", or a single spirit, exists only in an unknown primitive atom. All other known particles contain the more spirits, the more complicated the particle is. Only unions of spirits are known to us. Even particles of aether are unions of spirits. But this union is very stable, almost indestructible, because lasts for decillions of years. A great number of spirits in it, possibly, feel concordantly. The word 'feeling' has only mathematical value here, like a speck of dust, which we do not weigh, do not measure and do not consider its mass. This is a conditional nonexistence. Only in higher animals spirits experience what we conditionally name life, or being.

A man or an even higher combination reflects the Universe not fully, but correctly. Such a combination of spirits is a very complex alliance of spirits under single control. But this combination, as the most passive one, is the least stable. However, duration of this stability can grow considerably. It is indeterminate and to a large extent depends on the mechanism of the union. Like life of a republic or its stability depends on the laws of the country, and timespan of an animal's existence - on perfection of its organization. There can be such an organization of a country that it not only will preserve itself but also

will prevail against all others organized otherwise. In the same way, a successful animal can become a prevailing type.

Let us - conventionally - name a primitive spirit 'aether'. What is its destiny? It roams all over the Universe and whatever its state, the same is state of an atom. Whatever destiny of one atom is, the same is destiny of all.

So, to know destiny of an atom, we must know destiny of the Universe. It also is reflected in higher human creatures and that is why is known to them.

It is science with its conclusions, that is a reflection of space. Intellect and feelings are the source of science.

Every mature mind says the same: if there will be no evil, sorrow, imperfection, ignorance, weakness and insanity in the Universe, it will be good for an atom as well.

The conclusion from the above-mentioned is the following: everything which is bad, causes suffering or multiplies insanity must be eliminated from the Universe. But eliminated without cruelty to anything being destroyed. How to do it? Very easily - reproduction of the imperfect should be stopped. There are many methods to achieve it.

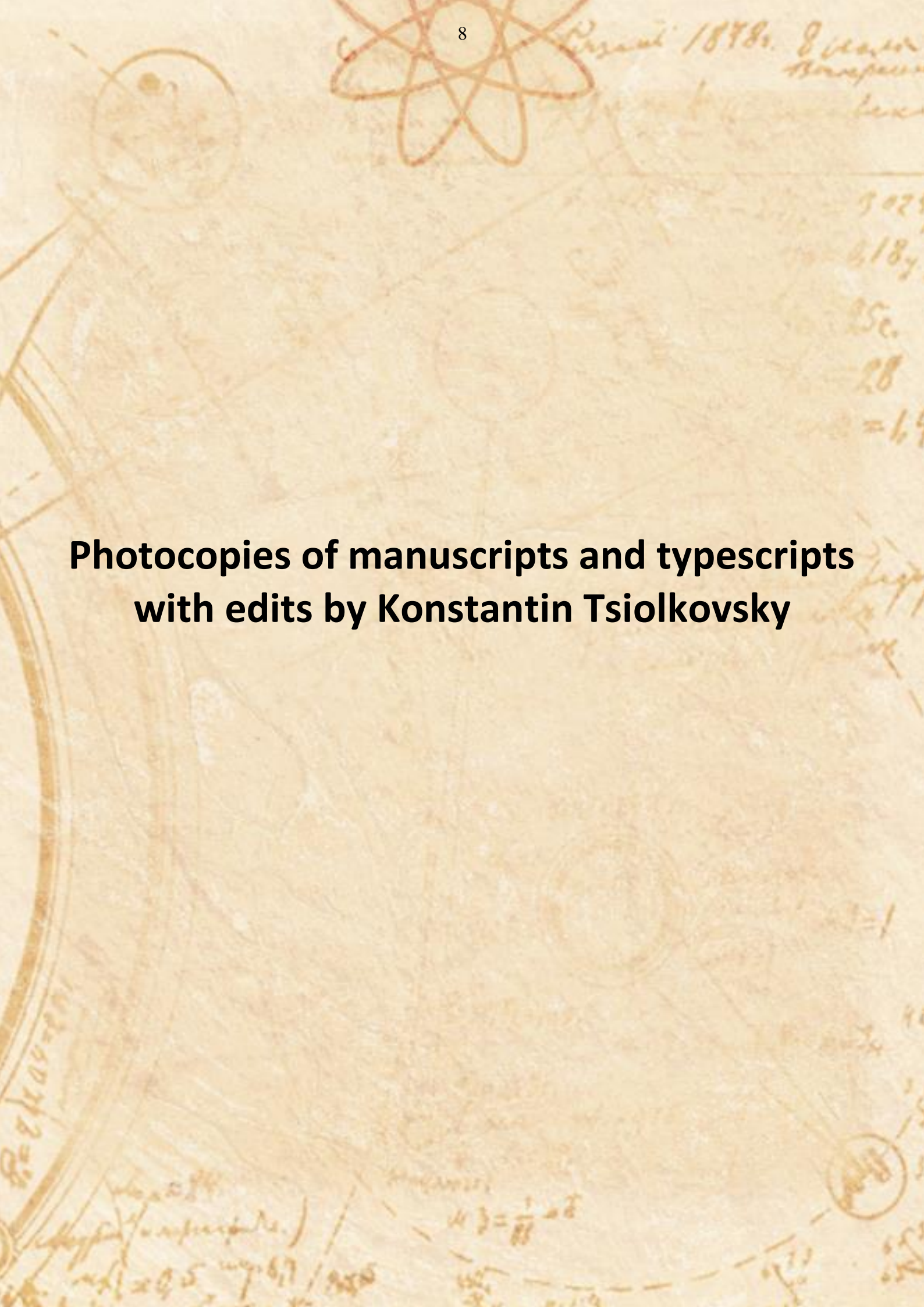
Alternatively, it is necessary to focus all forces of intelligent higher creatures on facilitating reproduction of everything perfect. Let the world be filled by it - as quickly as possible - and let the intellect, which brings happiness and annihilates sorrow, dominate in the world.

* Destiny of an unknown simplest one depends on **participation** of the atoms known to science. (Rus - Участь неизвестного простейшего зависит от **участия** известных науке атомов.)

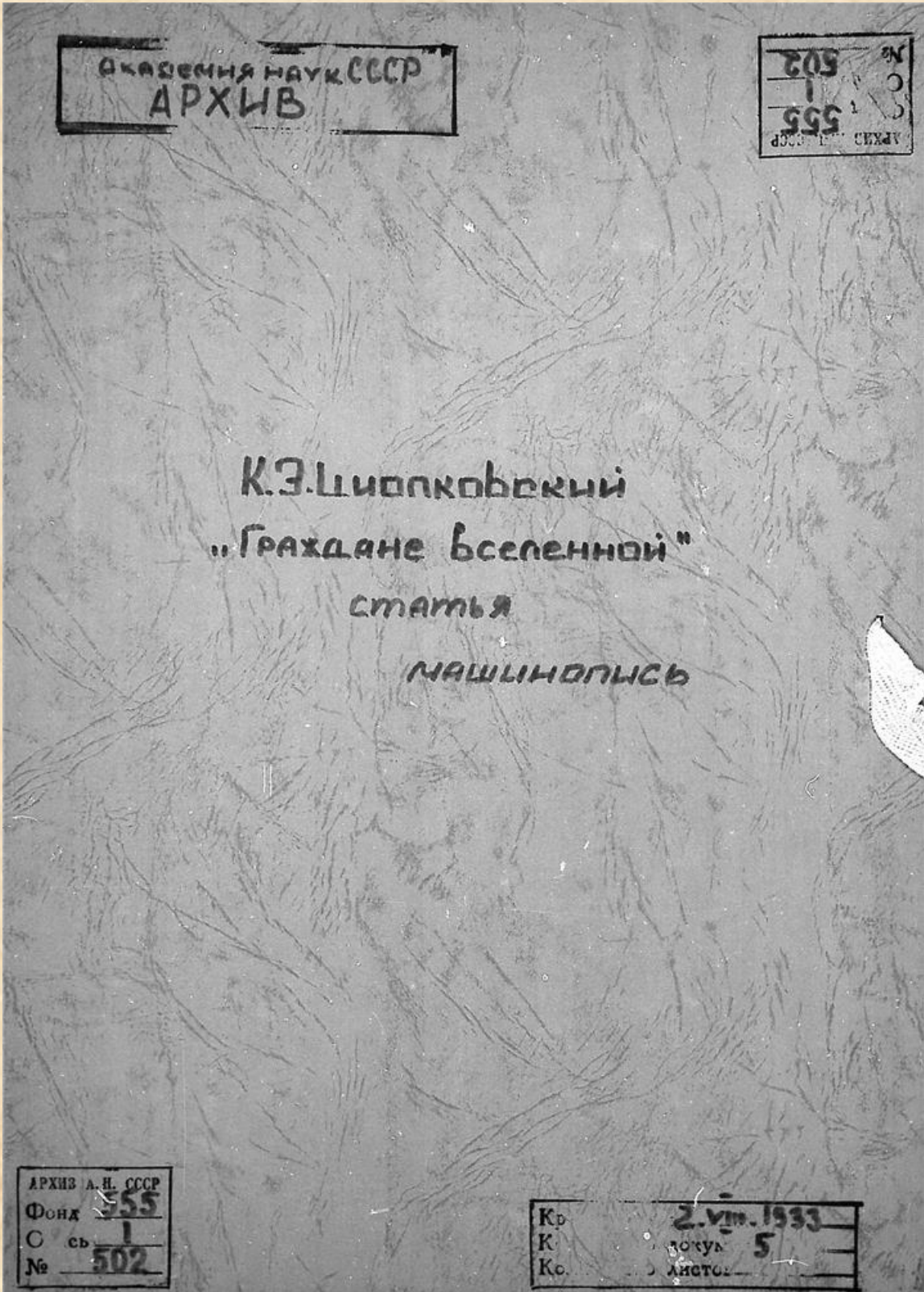
Translator's note: There are grounds for believing that there might be a typo in one word of the original Russian phrase which changes its meaning considerably. If it is so, the phrase is "Участь неизвестного простейшего зависит от **участи** известных науке атомов" and its English translation is the following: ***Destiny of an unknown simplest one depends on destiny of the atoms known to science.***

Translation from Russian © Oleksandra Hamanenko

**Photocopies of manuscripts and typescripts
with edits by Konstantin Tsiolkovsky**



"Citizens of the Universe." Typescript with edits by the author



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ГРАЖДАНЕ ВСЕЛЕННОЙ.

/2 августа 1933 г./.

Тут мы хотим начать сначала, т.е. с элементов вселенной. Кто бессмертный гражданин космоса? Это его атом. Атом - не тот, который известен в науке, а действительный - неделимая частица, материя. Есть ли такая? Едва ли. Обратимся к научным фактам. Все, так называемые атомы /92 штуки/ состоят из водорода. Сам водород сложен. Но есть еще эфир. Он состоит из чрезвычайно мелких частиц. Возможно, что из них состоит вся материя, т.е. всякие другие атомы.

Истинный атом неизвестен. Одно наблюдается: чем проще атом, тем распадение его труднее. Самые массивные атомы распадаются в тысячи лет и даже скорее. Менее массивные - в миллиарды лет, Еще более простые - в биллионы, триллионы и дециллионы лет. Таковы, может быть, частицы водорода и эфира.

Материя - носитель чувства, так как ничего кроме материи нет. Чему же тогда приписать чувство? Где материя, где атом, там и чувство. Атом или часть его можно условно назвать первобитным /примитивным/ или простейшим духом. Но мы ^{или} видим, что каждый атом есть союз простейших. Участь неизвестного простейшего зависит от участия известных науке атомов.

Сколько истинных атомов, столько и первобитных духов. Первобитный дух блуждает по вселенной и образует совыи. Мы знаем в мире только совыи. Жизнь и

чувство истинного атома зависит от сложности союза, в котором он пребывает: чем сложнее союз, тем сложнее деятельность и ощущение атома. Вот примерное грубое изображение постепенно усложняющейся жизни атома.

. /начало неизвестно/.

1. Жизнь в частице светоносного эфира. Существование в течение десятиллионов лет, а далее - распад на более простые частицы или поступление в комбинацию более сложную.

. /неизвестный интервал/.

2. Существование в течение триллионов лет в частице водорода, а после этого - распад или поступление в более сложную организацию.

3. Пребывание в 92 атомах известных элементов, потом-распад или усложнение.

4. Жизнь в растениях и низших животных.

5. Жизнь в человеке и высших существах.

Единое "Я" или единый дух находится только в неизвестном примитивном атоме. Во всех других известных частицах содержится тем более духов, чем частица сложнее. Нам известны только союзы духов. Даже частицы эфира союз духов. Но союз этот очень непрочен, почти неразрушим, так как сохраняется десятиллионы лет. Множество духов в нем, вероятно, и чувствуют согласно. Слово чувство тут имеет только математическое значение, как палинка, которую мы не вешаем, не меряем и не считаем за массу. Это условное бытие. Только в высших животных духи испытывают то, что мы условно называем жизнью, или бытием.

Человек или еще высшая комбинация отражает все-

ленную когь и не полно, но правильно. Такая комбинация духов есть очень сложное государство духов под единым управлением. Но эта комбинация, как наиболее массивная, наименее устойчива. Однако, продолжительность этой устойчивости может весьма возрасти. Она неопределенна и много зависит от механизма союза. Как жизнь республики или устойчивость зависит от законов страны, так и долготы существования животного, — от совершенства его организации. У государства может быть такое устройство, что оно не только будет сохраняться, но и победит все иные организации. Так и удачное животное может сделаться преобладающим типом.

Назовем условно первобитный дух эфиром. Какова же его судьба? Он блуждает по всей вселенной и каково ее состояние, таково и состояние атома. Какова же участь одного атома, такова участь и всех.

Итак, чтобы узнать судьбу атома, мы должны узнать судьбу вселенной. Она же отражается в высших человеческих существах и потому им известна.

Наука с ее выводами — вот отражение космоса. Разум и чувства — источник науки.

Каждый зрелый разум говорит одно и то же: если во вселенной не будет зла, горя, несовершенства, невежества, слабости и безумия, то и атому будет хорошо.

Отсюда вывод: во вселенной надо устранять все дурное, причиняющее страдания или размножающее безумие. Но устранять это надо без мучений для уничтожаемого. Как же это сделать? Очень просто — надо установить размножение несовершенных. На это есть

много способов.

Напротив, надо всеми силами разумных высших существ способствовать размножению совершенного. Пусть мир заполнится им как можно скорее и пусть господствует в нем разум, приносящий счастье и уничтожающий горе.

About the Project

Konstantin Eduardovich Tsiolkovsky is known all over the world as the founder of modern cosmonautics, who developed the theory of airship and rocket construction. But there is another, little-known Tsiolkovsky, who described from the position of monism his point of view on the structure of the Universe and the place of man in the manifested by him slender hierarchy of universal beings and entities.

The totality of his ideas and hypotheses, which formed the content of philosophical works, Konstantin Eduardovich himself called **“Cosmic Philosophy”**.

The importance of these studies for mankind is demonstrated by Konstantin Tsiolkovsky’s assertion that he developed the theory of rocket building only as an appendix to his research devoted to cognition of the principles of functioning of the Universe and to research on this basis the fundamental possibility of resettlement of mankind from the Earth and the settlement of the Cosmos by people. Rockets for him are only a way, only a method of penetrating into the depths of the cosmos, but by no means an end in itself.

Despite the fact that all of Konstantin Tsiolkovsky's philosophical works are now classified as public domain, the results of many of his studies have not been published to date even in Russian and, consequently, are little known.

Addressing his readers, Konstantin Tsiolkovsky said:

"I will try to restore what has been lost to mankind in the sonnets of millennia, to find the philosopher's stone that he has dropped."

"The Living Universe", Konstantin Tsiolkovsky, 1923.

"Be attentive, strain all your strength to assimilate and understand what is being presented."

"The Living Universe", Konstantin Tsiolkovsky, 1923.

"For your exertion, for your attention, you will be rewarded, I won't say a hundredfold, it's too weak, but immeasurable. There are no words to express the benefits you will receive for your labor. There is no measure for these benefits. That measure is infinity."

"The Living Universe", Konstantin Tsiolkovsky, 1923.

"All matter in the universe is stirring. Man or other creature is matter, wandering throughout the universe. The fate of a being depends on the fate of

the universe. Every intelligent being must be imbued with the history of the universe. Such a higher point of view is necessary. A narrow point of view can lead to delusion.”

“The Necessity of a Cosmic Point of View”, Konstantin Tsiolkovsky, 1934.

Project Objective:

- To make the philosophical works of Konstantin Tsiolkovsky **publicly available** and **absolutely free** for all;
- To overcome the “conspiracy of silence” around his philosophical works;
- To open them a “second breath” and give them a “new life”.

How we do it:

- **We create** e-books based on manuscripts and typewriters from the archive of Konstantin Tsiolkovsky’s works;
- **We organize** them in the form of e-books in PDF format;
- **We distribute** books free of charge via the Internet;
- **We translate** selected articles into various world languages using the most modern machine translation systems with subsequent proofreading;
- **We collect** materials on the Internet that can be attributed to the scientific heritage of Konstantin Tsiolkovsky and publish them.

Why it is important?

Konstantin Tsiolkovsky's writings are unique:

- They contain clear, simple, and at the same time, profound answers to complex questions that concern many readers: What is an “atom”? What is “matter”? How does “living” differ from “dead”? Are there “spirits”? Is there a “god”? Can there be beings living on our planet that are more advanced than humans?...
- They help readers to look at the world in a new way and realize their unity with the inhabited universe.

The works of Konstantin Tsiolkovsky can help every reader to better understand the Universe and realize their place in it!

[Support the Project!](#)

Together we can make the world a better place!

Best Regards,

Mykola Krasnostup,

Head of the Project

Zaporizhzhya, Ukraine

Personal website: www.krasnostup.com

Project website: www.tsiolkovsky.org

Email: mykola.krasnostup@gmail.com