Electronic Resurrection of Relatives and Friends.

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Abstract.

In the development of electronic immortality and fully electronicized society, proposed by the author at the end of the preceding century, the author as a first-step offers electronic virtual resuscitation of dying relatives and resurrection of dead friends. By now, programs for various recognition and recognizing faces and objects, communicating in any language, photos of a lively mobile person expressing emotions, intelligent communication programs have been created that even experts cannot distinguish whether they are talking to a person or a robot. The task is only a matter creating an e-resurrection-program.

Key words: electronic immortality, electronic resurrection, artificial intellect.

Introduction

The overwhelming majority of people are well aware of how difficult coping with grief for passed persons is: the death of their loved ones, such as parents (mothers, fathers, brothers, sisters), beloved wives, husbands, children, close friends. Most people have always dreamed of immortality. Apparently, and for the first time, the topic of immortality, but in a new electronicized form, the author intensely developed at the end of the last century [1] - [3]. The physical implementation of this idea rested on the development of electronics, appropriate programming (artificial intelligence), and the creation of robotic humanoids. Over the past 20 years, electronics and artificial intelligence have achieved great operational successes. People have created many programs necessary for artificial intelligence, for example, recognition of visual images, sounds, speech, production of artificial speech, revitalization of face photos with emotions, etc.

With regard to artificial actuators, success has been achieved mainly with respect to industrial robots and less in creating a high-quality human body, comparable to the abilities of a normal biological human body. The fact is that in developed industrial countries, simple human labor is expensive and some researchers are trying to replace living laborers with artificially intelligent robots. This applies to answering machines, consultants, secretaries and even sometimes radio and television broadcasters. Such "Bots" as they are sometimes popularly designated (short for Robot) or Programs - interlocutors win even in competitions, when experts cannot determine whether they talked with a real person or actually with a "Bot".

The ideal conversational program usually needs to pass the Turing Test. Annual competitions of programs-interlocutors (mainly English-speaking) are held at international forums; one of the most famous of these competitions is the Loebner Prize. The conversation can be held on Skype, and the photo reproduces human emotions: smile, friendliness, joy, discontent, et cetera.

Due to the ease of copying and mass demand, such programs are widely available and quite inexpensive. Of course, programs accompanied with an with expensive mechanical body are more difficult to obtain and operate. Created and widely used industrial robots that perform individual simple or dangerous-to-human operations are in demand by industry everywhere. But it is very difficult to create a two-legged creature close in its physical abilities to the biological human body—that is a humanoid robot and, so far, only unique copies have been created that convincingly reproduce individual human functions (walking, jumping, lifting weights, driving cars and even surgery. All of them are very expensive, and any human observer immediately apprehends that it is a robot.

Problem of solution.

To speed up the solution of the problem of electronic immortality, the author proposes a two-part division: the existence of an e-Being in an active electronic virtual form and the existence in a real-world mobile humanoid body that can actually (materially) change the world by movement of materials as well as the direction of energies. As shown in the Introduction, these are interdependent parts of the Immortality Project that differ dramatically in complexity and monetary cost. It is unlikely that you will not find people donating large amounts of money to create a robot they do not need, but many people will donate money to create a virtual image of a remembered and documented loved one, as if that dead person continues to live in an electronics-governed world, with the soul of which you can contact and talk on Skype. This incarnation would be far more than already available graveyard talking headstones which are embedded with an tiny TV screen and play a recorded message to visitors when activated manually! Especially as it can be a small part of the inheritance left by it and it is stipulated in a passed person's Will. Yes, and the testator may even, if to create the life he desired and to answer many of the questions posed by a future generation. His/her image can be programmed so that he can study and promote Science, earn money (for example, playing the stock exchange. George Soros became a billionaire playing on the stock exchange) and help living relatives and friends, perhaps with timely cash-infusions during times of economic difficultly. Sometimes, possibly only occasionally, to telephone and thereby make new acquaintances.

All these programs exist now and can be used immediately. For example:
1) Electronic photo with moving (emotional) face (blinking eyes, smile, nodding head, expression of resentment, surprise, etc.).
2) Recognition and recognition of images (for example: relatives, friends, previous interlocutors, former colleagues at school, office-factory-transporation work, et cetera.). Currently, most computers and iPods have photo-eyes (imagers) and allow the hand-held "Bot" not only to hear, but also to see the interlocutor.
3) The Ability to conduct a reasonable conversation.
4) Evaluation and verification of the information received.
5) Emotional response to the content.
6) Manifestation of friendship, love, goodwill, displeasure.
7) Relationship to the person or event.
8) Advisory assistance. The earning potential and the provision of economic or other unrelated advice to their creators.

Many of these programs are very simple, and allow users to treat the "Bot" as an honest, conscientious person. Programs examined as verified as promoting fraud, historical deception, outright dishonesty, tactical and strategic misinformation should be prohibited by international law or widespread human social behavior conventions (morals, ethics et cetera). Note that relatives usually talk on simple everyday topics—commonalities of relational interactions—and therefore many programs and information can be placed in the Bot's own contrived chip as personal information about the Bot and his biological family. As for his professional activity, the Bot can connect online to complex intellectual Programs and privately-secured data of his Company and manage it even more successfully. Currently, there are a large number of specialized computer programs. Is software: Question-answering system, Intelligent search engines (e.g., Start), Virtual companions, Virtual digital assistants, Program translators, et cetera. Obviously, two types of Programs need to be created for Bots. A simple Program Bot only for relatives of the Bot. And a complex Program for famous people who will desire to posthumously talk to thousands of living persons. These two categories of Programs may be typical, but the complexity, cost and database they will entail are of a dramatically different in size due to the different number and complexity of potentially involved questions and necessarily complicated lucid Bot answers.

Intellectual development of the Bot

Immediately the question arises: is it permissible to give the intellectual development of the Bot? Should its views and attitude towards past events remain unchanged with the growth of Artificial Intelligence technology? In life, the views and attitudes of biological people to past endured events and even to their own participative actions may change in connection with the new information that has become known to them or with the fading of memories by forgetting. If we consider the Bot as the initial stage to the continuation of a life (to active immortality), the answer is singular – the Bot must have access to any information (at least in an independent Internet) and develop its intelligence. Its intellectual development, change of views, attitudes towards people and events will be much faster than that of ordinary biological people, at least due to the fact that the Bot is able to acquire huge knowledge in a micro-second. It may come to dislike its still-living family members and friends. But this should not alienate family and true friends. On the contrary, to encourage them to test the objectivity and correctness of the knowledge on which their own beliefs are based.

Death of children.

And what about the children who died in infancy, causing his premature death of great pain and grief to their parents? I think that children can rapidly go through the stages of childhood, adulthood, education for a few years or months after death, so that parents take part in their education, creating a new look and get used to the gradual change of their appearance and go into an independent life. This will greatly reduce the material costs of parents for feeding, upbringing, education of children, will allow them to pay more attention to their own entertainment, personal life and recreation. This will avoid marriage in education, when, as a result of outside

influence, grow loafers, crooks, scoundrels and even murderers. Any user of this technology ought to limit the number of e-children and copies of itself.

Love, honesty, goodwill.

The reader has the right to ask: what will happen to the positive qualities of people, for example, with the love of parents and children to each other? Or with the love of a male and a female?

Let's first deal with the concept – love. All biological people have experienced love and know roughly or intuitively what it generally consists of. First of all, there are different kinds of love. The love of parents for their child is inherent in the biological nature of humans (or a developed animal). Look at how angry a concerned mother is if her child is hurting mentally and physically or injured bodily. Children run to their mother when they are frightened and need protection. In advanced biological beings, it's just an instinct, a biological survival measure developed by Earthly evolution.

The electronic being is sensible (to relatives, loved ones or friends) needs to produce (to reproduce) a special program and it should be dependent on the amount of uncompensated services that the email being received from this person, from the assessment of his honesty and integrity. Although mathematically to make such an assessment is simple (for example, as the sum of points) the evaluation of points is difficult to do. Apparently, users should limit the installation of the feelings of love only to the love of parents to children and vice-versa (to the whole family or selected members thereof). And to ban love to the real-world's Supreme Ruler (Dictator). And to friends, to outstanding and worthy people it is possible to be limited to gratitude. There is a danger that adept, wily dictators can use this feeling to strengthen their dictatorships.

The Purpose of Bots.

Any human or sentient being has a goal (by sentient being I mean a physiological creature that has a goal and regulates its behavior to achieve that goal). The purpose of intelligent biological beings is determined by Nature. It is a struggle for existence and pleasure. For this species, it is a struggle for the survival of the species. For a human it is a struggle for life and pleasure. Darwin also discovered the "Law of struggle for existence," which consists of the struggle between species and the struggle within each species between individuals. This struggle is inevitable. On the basis of this struggle arose humanity—a social entity comprised of all members of Homo sapiens sapiens—and conquered the entire animal and plant world, the Earth-bioshell. Currently, on the basis of this struggle is based the technical progress and development of the mind, and the winner will be those who will throw all the chatter about liberalism, a kind of spirituality and will take on technical progress, the introduction of advanced technologies, the development of Science and thereby of constantly modernized effective military equipment.

Biological man needs food, shelter, rest and sleep. When he has all this, the majority begin to want fame, power, money, women (multiple partners), universal worship, et cetera. The electronic Bot does not seek or need those decorative

activities. The purpose of its timeless life and work will put before him its Creator – humans, and this goal should be one – technical and scientific progress, the conquest of the existing Universe, the largest volume presently known to Homo sapiens because of Science. For electronic beings, providing a high Standard of Living for biological humanity is a small side task, a sign of gratitude for the creation of artificial intelligence (as shown in the works of the author [1]-[3]). With unlimited resources and favorable conditions, biological beings begin to multiply endlessly. People for life consumes railway products, requires modern housing, equipped with heating, electricity, safe potable water-supply, adequate sewerage, a pleasant wholesome environment. It is unlikely that any person will agree to grow in outer space-like capsules which resemble jail-cells, closely clinging to each other, as he grows cooped chickens for his meals in industrialized countries. Electronic bottles are millions of times more economical because the electronic chip takes up a fraction of a cubic centimeter of volume and requires a meager, almost negligible, amount of electricity for its active virtual existence. E-Being bots can run at high speed and is in outer space and at the bottom of our world's vast and voluminous ocean. Therefore, the reproduction of biological people will, sooner or later, have to be limited, as did China, to temporarily break out of the demographic poverty trap that had delayed that nation's technological modernization and actual enrichment, that is, to forcibly make a national economic breakthrough.

Bot Rights.

Since each E-Bot can be your close relative or just yourself, and it is the initial stage of any individual's immortality in the form of E-Being, you will be interested in creating a *Code of Rights Governing the Creation and Operation of Bots*.

The first injunction must be a Bot right to life. The destruction of E-Bots must be considered as the murder of a man. The advantage of the booth is that the copy can be separately stored in an independent secure location and the appropriate authorities may recover the Bots. The second is to protect Bot brain (chip) and initial information from external interference. This can be done technically. There are chips that allow only one-time recording and that cannot be rewritten. The third is the right to independent information. This is, in particular, the right to an independent Internet, the right to listen to both conflicting parties. The right to an independent court. And in General, the Bots should have a legislative document, something similar to the "Human Rights" of the UN.

People may fear that dictators and scoundrels can multiply themselves or their supporters in large numbers and create a community of puppets and slaves. This is easily avoided if only real living persons or formerly living people can be registered. In addition, the knowledge and Outlook of the Bots expand tremendously, they can revise their old views of life, love and the Universe, and many may become supporters of the dictatorship and enemies of their leaders. And dictators can realize the crimes of their no longer functional or extant rotten regimes and, thus, repent of their past crimes.

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Brief information about the author.

Ph.D., professor Alexander Bolonkin worked as a senior engineer in aviation Antonov design Bureau, Head of the Division Reliability in the rocket Company of Glushko, taught in the Moscow Aviation Technological Institute and Technology University named Bauman (USSR). In 1972, Bolonkin was arrested KGB (Soviet Secret Police) for hearing "Voice of America" and distributing Sakharov's

(academician) and Solzhenitsyn's (writer) works who want democracy. He spent 15 years in prisons, concentration camps, exile. He was tortured by the KGB. In 1988, in connection with the Gorbachev's restructuring Bolonkin was released and forced abroad. In the United States, he worked as senior researcher at NASA, at the scientific laboratories of the USA Air force, taught at American universities.

  Bolonkin is author of about 300 scientific articles and books. He was awarded three times by the American Academy of Sciences, Euler medal, gratitude of the Governor of the New York State.