

Conquest Of Modern Science...

Or Is It Suicide?

SCIENCE :-

Science - puffed up. . . , intoxicated . . . , shaken. . . , humiliated... , frightened bewildered these are the stages through which modern science has passed between 1930 and 1979. I am going to present before you to-day some amazing materials setting out this journey of science.

SCIENCE INTOXICATED

Following are the extracts from an article published in the Times of India somewhere in 1931-32.

"Babies will be produced by chemists in laboratories; the entire institution of marriage will be changed; we will all live to be 150; no one will need to work more than two hours a day; agriculture will be abolished - except as a hobby - and all food stuff will be produced synthetically; man will be able to alter the geography of the world; coal-mining will be an extinct industry - sitting in our homes we will see and hear events the world over."

"This is the picture painted by Lord Birkenhead of the world in 100 years' time, together with a prediction that we shall have a forty-eight hour day by retarding the rotations of the earth.

"The best scientific opinion believes that before 2029 physicists will have solved the problem of supplying the world with limitless amounts of cheap power," Lord Birkenhead states in the American magazine Cosmopolitan.

"At present we derive the energy which drives wheels of industry from coal and oil. Both these substances are won from nature at the expense of much money and vast stores of muscular energy, nor are their supplies inexhaustible. By means of the most efficient methods, moreover, a pound of coal can only be made to yield energy of the order of one horse power for one hour. Yet, locked up in the atoms which constitute a pound of water there is an amount of energy equivalent to ten million horse power per hour. There is no question that this colossal source of energy exists; but as yet physicists do not know how to release it, or having done so, how to make it perform useful work.

"This problem will be calved before 2029. Some investigator, at present in his cradle or unborn, will discover the match with which to light this bonfire, or the detonator needful to cause this terrific explosion.

"The consequences of tapping such stupendous sources of cheap energy are almost illimitable. For the first time in his history man will be armed with sufficient power to undertake operations on a cosmic scale. It will be open to him radically to alter the geography or climate of the world. By utilising some 50,000 tons of water, the amount displaced by a large liner, it would be possible to remove Ireland to the deeper portion of the Atlantic ocean. The heat obtainable from the same quantity of water would suffice to maintain the polar regions at the temperature of the Sahara for a thousand years.

"Biologists by 2029 will have learned the secrets of the living chemistry of the human body - or at least enough of it to achieve startling results. Rejuvenation will be an ordinary and well recognised matter of a few injections at appropriate intervals.

"Before 2029 biologists will have solved some of the mysteries of human heredity. Heredity is determined by certain 'genes' or units, concerning which science already knows much. They are minute bodies, so small that if a hen's egg were magnified to the size of the world, one of the genes in it would lie on a fair-sized dining table. When biologists can control these they will be able to control heredity.

"Most probably by 2029 a clever young man will consider his fiancée's hereditary complexion before proposing marriage; and the young woman of that day will refuse him because he has inherited a gene from his father which will predispose their children to quarrelsomeness. By intelligent combinations of suitable genes it will be possible to predict with reasonable certainty that truly brilliant children shall be born of a marriage. It is possible, however, that by 2029 the whole question of human heredity and eugenics will be swallowed up the prospect of ectagenetic birth. By this is meant the development of a child from a fertilized cell outside its mother's body - in a glass vessel filled with serum on a laboratory bench. Such a proceeding is neither incredible nor indeed impossibly remote. The results of much research show that **the connection between a mother and her growing child are purely chemical**; there is no valid reason why one day biologists should not be able perfectly to imitate that chemical connection in the laboratory."

Well! My readers! What do you think? By 2029 A.D. mother's love would be a chemical equation! (whatever you say about mother's love.) And we would abolish agriculture, work only two hours a day and live for 150 years. **Husbands and wives would be liquidated and children would be formed in glass vessels!**

This was the mad dream of science somewhere in the second and third decade of this century.

THIS IS FROM DR. CHINIVALA'S BOOK

You would be wondering whether I have gone through remote files of Times of India to be able to reproduce an extract from an issue somewhere of 1931-32. No please! The above article is reproduced by Dr. Farmroz Chiniwala in his first "Nikeez-i-Veh Din," published in the year 1932. The book is in Gujarati and sets out certain advanced first principles of the Mystical Science taught in the Religion of Zarathushtra. He quotes the article while explaining the ultimate composition of matter according to Zarathushtrian Science.

Yes, man and his science can harness, to a certain extent, the energies whirling in an atom of matter, says Dr. Faramroz; but science will never go beyond a certain limit. It may reach up to the stage of an electron and a number of elementary particles but not beyond. Is there such a 'beyond' in an atom? Yes, there is. . . . Certain ultra-physical energies are bound deep inside all elementary particles of matter; they are called 'Anasar's and are beyond the reach of the ordinary human animal. He CAN probe further than an elementary particle and SEE its interior only if he develops certain spiritual and Godly powers. These powers cannot be developed by the methods and means of modern science. That sounds obvious enough. How can physical sciences develop Godly powers when God does not at all occur in their theories and discoveries? Dr. Chiniwalla points out that man is capable of attaining power, but that is the power of the spirit, the soul and inner Godly energies within him. And that power cannot come without co-operating with nature and without conquering the faults of the flesh. The methods of modern science are intended to take work from nature by whatever means possible; and in the process, it twists and destroys the very elements which are the basis of life. Modern science and its babbles like those quoted in the above article are the work of evil in man and are sure to lead him and his earth towards destruction.

THE IMPENETRABLE BARRIER

Dr. Chiniwala says, it would be possible for man to achieve something in the field of atomic energy or the energy in a living biological cell. But at a certain point, an impenetrable barrier will be reached and whatever man has learnt through science, he will try to use it for his own destruction.

I have in the last two paragraphs summarised what Dr. Faramroz has said after quoting the 1931 Times article.

From 1931 to 1979 is a long jump. And we may well ask: how far the intoxicated dreams described in that article have come out to be true? And how far Dr. Chiniwala has proved to be right?

DOMESDAY BOOK OF THE KINGDOM OF MAN

For answers to these questions, I shall now quote from a book of 1972. The name of the Book is "Only one Earth" by Ward and Dubos. What is the subject matter of the Book? The publishers 'Penguin Books' state on the outside back cover of the Book:

"Man has been washed up on an island, like Robinson Crusoe. How is he to survive?"

"Only one Earth" set the key for the United Nations Conference on the Human Environment held at Stockholm in June 1972. The report, which is unofficial, has been read and in parts revised by more than 150 expert consultants from many countries and many fields. Logical in order and cogent in expression, this extraordinary document is a Domesday Book of the kingdom of man.

"Here is earth's swelling population; here are its measurable resources; here are the knowledge, energy, industry and commerce that form man's Potential; and here, too, in the squalid details of technology's impact on soil, sea and air, is **man's record in fouling his own nest.**

"All this amounts to one thing for the industrialised nations and another for those with plans to develop. And yet, as Barbara Ward and Rene Dubas so movingly argue, it is only one earth that man inhabits.

"What must he do to be saved?"

Coming now to a few quotations from the Book, whereas the 1931 article boasted of harnessing energy locked up in an atom, the 1972 Report says:

"The fusion thermo-nuclear bomb- the so-called hydrogen bomb-was first exploded in 1952 by using a fission trigger of uranium-235 to fire a flash of heat so intense that it could fuse hydrogen into helium, thereby releasing the kind of energy which is generated by the sun. **All other environmental risks, it is clear, fade into insignificance compared with the possibility that this terrible weapon might ever come to be used in all-out war.**

"Since that time, the 'milder' process of nuclear fission has, it is true, been harnessed to peaceful use. Given the interchangeability of all forms of energy, atomic power can be used to generate electricity when neutrons bombarding the nuclear fuel - U-235 or plutonium - build up chain reactions which heat water to the temperature of steam, which then undertakes the familiar tasks it has performed for decades in coal-or oil-fired generating stations-turning the generators

that move the magnetic fields that send the electrons scurrying along the power lines. The difference lies in the nature of the fuel. **Nuclear energy in any mishap is an unseen killer. Moreover, uranium debris can last for millennia, still giving off dangerous radioactivity.** But we have crossed a new frontier of risk when using radioactive materials **which can blast genes and last for decades or centuries."**

Material power man has achieved, has taught him only to upset the delicate balances of nature. He has polluted the air, the land, the water - the priceless gifts of nature. He has destroyed the trees, killed the animals and has risked his own life by upturning the final balances on which the earth can allow him to live. But let the 1972 Book speak:

"Within our own planet the interplay between vast cosmic unities and the minute instruments of equilibrium is the very stuff of existence. We know that the energy of the sun is poured out in almost limitless bounty. But we know, too, that the intermediaries and products of all this bounty - the leaves, the bacteria - are far from limitless. Remove the green cover from the soil of Central Africa and it becomes a brick-hard, everlasting laterite. Cut down the forests, overgraze the grass, and productive land turns to desert. Overload the waters with sewage or nutrients and algae consume its oxygen, fish die and produce stinking gas as they decompose.

"It is because **there are so many potential paths towards points of irreversible 'no return'** that the self-repairing cycles underlying all living systems-the unities of dynamic balance we call 'eco-systems'-cannot survive indefinite over-loading or mistreatment. Admittedly, the re-generative powers of life are astonishing. Living things have survived the glaciations, the volcanic convulsions, the earthquakes, typhoons and tidal waves that have torn through our unstable planet over the billions. But the warning is there, Like the giant reptiles of the Jurassic age, some species have gone the 'way to dusty death.' "

Greed and Material Needs - the Root Cause

Why is man upsetting balance? Because he does not follow the path of God, he is greedy, he is after physical pleasures, he has a craving for inhuman powers, he non-co-operates with nature and God, he is proud, and he is ignorant - so said Dr. Chiniwalla in 1932 while commenting on the 1931 article. And here is the 1972 Report coming from no less august a body than United Nations. Continuing the last extract, the Book says on page 85 :

"And this clearly has significance for more than strictly scientific knowledge. It is not only the new science and the technologies derived from it that dominate the life of modern man. **His society is also driven forward by an unparalleled intensity of material wants** and by still unconquered drives of national separatism and power. The question has therefore to be asked how, in an age dominated as never before by separate nationalist aspirations and pretensions by the promise of **indefinitely rising material standards**, is the new moderation to be sought? How can cogent arguments be marshalled for balance for cooperation, for that awareness of reality which **all the great sages of mankind, without exception, have held to be the root of human wisdom and hence of human survival?** If their witness has been so very largely in vain, how can we hope now for better insights and better will?

"There is, however, something clarifying and irresistible in plain scientific fact. **The astonishing thing** about our deepened understanding of reality over the last four or five decades is **the degree to which it confirms and reinforces so many of the older moral insights of man.** The philosophers told us we were one, part of a greater unity which transcends our local drives and needs. They told us that all living things are held together in a most intricate web of interdependence. **They told us that aggression and violence, blindly breaking down the delicate relationships of existence, could lead to destruction and death.** These were, if you like, intuitions drawn in the main from the study of human societies and behaviour. **What we**

now learn is that they are factual descriptions of the way in which our universe actually works."

Here it is! Material wants, drives of national separatism and power, ignoring **the wisdom of great sages and older moral insights**. . Our universe actually works on the laws indicated by the esages. . . .

"If man continues to let his behaviour be dominated by separation, antagonism and **greed**, **he will destroy the delicate balance of his planetary environment. And if they were once destroyed, there would be no more life for him.**"

Beware man! there is Only One Earth! And before you can abolish mother's love for her child by converting it to a chemical reaction, there will be no mother and no child left to witness the conversion!

- K. N. Dastoor

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"But seek ye first the Kingdom of  
God and His Righteousness: and  
all these things shall be added  
unto you." - The Bible.  
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Dini Avaz Vol. 4; No.1