

IREF seeks partnership with cell-phone electronics manufacturer

New Bio-Cellphone Technology in the Making

G-Com® ushers in new age of riskless technologies free from electric smog.

By Dr. rer. nat. Hartmut Müller, Wolfratshausen.

On October 27th, 2001 at the Media Days in Bad Tölz a historical event occurred: The Institute for Space-Energy-Research in memory of Leonard Euler introduced the world's first telecommunications entirely devoid of electric smog (see raum&zeit No. 114). G-Com® technology is still in its infancy but the Institute is working at full speed with physicists and mathematicians of St. Petersburg University to further and perfect its development. So far the German industry has maintained a sceptical attitude mainly because G-Com® technology is based on scientific findings that have not been accepted in Germany's academic strongholds to date. Meanwhile managers from Russia and Switzerland have embraced the opportunity and overwhelmed the Research Institute in Wolfratshausen with business offers.

- Mobile phones that will allow communication across astronomical distances – free of charge and without time delay – and that will provide their own internal energy source without emitting harmful radiation.
- Computers that are directly connected to the gravitational background field and are therefore permanently globally “on-line”. Such computers will be integrated into cellphones enabling world-wide direct dial-up of any number.
- Robots that retrieve and apply optimal parameter values for technical solutions and production processes directly from the

The team of scientists around Dr. Hartmut Müller is primarily concerned to avoid a situation where this new technology will be bought up and put away forever. The goal rather is to make

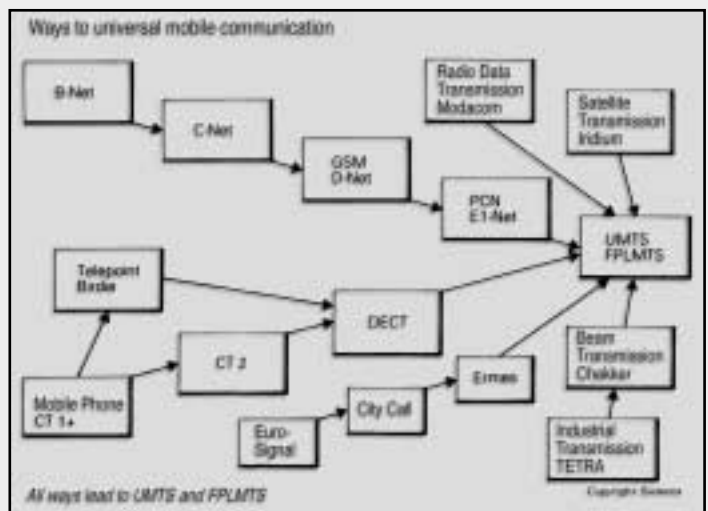
to present a spontaneous public demonstration of G-Com® telecommunications in Bad Tölz. Telecommunications that does not incur electric smog has now become reality. But what will be the consequences when this new technology will be widely available? Should cellphone companies worry about their existence? Is an international market crash at hand? This and other aspects of a new technical revolution of unprecedented extent are addressed by Dr. rer. nat. Hartmut Müller, director of the Institute for Space-Energy-Research in memory Leonard Euler (IREF) and inventor of G-Com® technology.

„A technical revolution is imminent that will outdo every technical equipment developed so far...“

Revolution in Telecommunications

G-Com® available through the supermarket in the foreseeable future. This prompted the Institute for Space-Energy-Research

A technical revolution is imminent that will outdo every technical equipment developed so far:



All ways to universal mobile communication terminate at UMTS technology, writes the “Süddeutsche Zeitung”. UMTS says that another 80.000 transmitter masts are required in addition to the existing antennae. The term “universal mobile communication” is furthermore incorrect. At the current stage of development telecommunication reaches no further than the nearest transmitter mast. A truly universal telecommunications will only be possible with G-Com® technology for it makes use of naturally existing waves that permeate the whole cosmos. This allows for isochronous communication regardless whether from a point on Earth or in the universe.

Why Electric Smog Is So Dangerous

The official debate on limit values with regard to electric pollution has hitherto led to mostly contradictory results because it is based on outdated and in part erroneous concepts about the biological role of weak electromagnetic fields. Recent findings in the area of cytology (biology of the cell) confirm that it is not primarily the intensity of a (weak) electromagnetic field that will decide about 'good' or 'bad' effects but its biologically relevant information content which is mainly defined by the "cocktail" of frequencies involved.

Our organism's integrity relies on the fact that each cell does exactly what it is supposed to do. Genetically all cells have the same build-up. Each human cell contains the complete set of chromosomes and can function as a genetic "finger print". And yet, every child knows that the eye will not produce insulin and the little toe will never see. Why this is so and how such specialisation comes about has been a mystery to genetics until now.

Today we know that the integrity of our organism (i.e. our health) cannot be maintained by biochemical processes alone. These processes are far too slow and inert. A much more important role must be assigned to extremely weak electromagnetic fields. These fields are coded by the cellular structures themselves and provide for the

transmission of vital information from cell to cell at light speed.

DNA does not contain an unambiguous recipe for protein synthesis. The probability for a synthesis of abnormal proteins is theoretically very high. Nevertheless, as a rule each cell produces correct proteins. These processes of protein synthesis are also controlled by coded weak electromagnetic fields – but only as long as these fields are not disturbed by the influence of external fields. Such concepts are discussed in what has become known as wave-genetics.

Vital Cellular Information Corrupted

Each cell of our organism continuously receives and sends electromagnetic signals. This process is vital. It ensures that at any time in any place that which is necessary to take place will in fact take place. Therefore each cell is programmed to interpret weak electromagnetic signals. If a signal received is biologically meaningless it will be ignored. If, however, it contains biologically relevant information the information will be realised – even if this information will suggest the dissolution of the synapses or unrestrained cell growth. The intensity of the signal does not matter. What is crucial is the duration of its action.

The increasing contamination of our environment with artificial electromagnetic fields whose frequency spectra are chosen arbitrarily and without any knowledge of biological significance entails the complete inundation of our cells with weak signals. The consequences are unavoidable: sleeping disorders, forgetfulness, headaches, heart rhythm disorders as well as depressions are alarming signs of a disrupted balance of the biofield.

There Are No Limit Values

The debate on limit values does not touch the core of the matter. Artificial electromagnetic fields can be biologically active no matter how weak they are. If these fields are accepted by a sufficiently large group of cells they will interfere with the subtle mechanisms of the electromagnetic control of protein synthesis and trigger damaging biochemical reactions. Erroneous commands are sent from cell to cell and metastases ensue.

Scientists working in the area of cytology have already succeeded in cultivating cells that will react to biologically harmful weak electromagnetic fields by lysis. These cell cultures are now used in detectors that can identify damaging electromagnetic fields.

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morphogenetic background field.

All of this is no longer science fiction but already part of physical reality.

Even the industrial revolution of the 18th/19th centuries had its 'iconoclasts'. Altogether however, mechanical production helped to create many more jobs than it destroyed. In the 1970ies, socio-economic consequences of computer-aided production methods were similarly misjudged. Today, computers are as commonplace as the transistor radio was at that time, and computer specialists are in such great demand that the country (Germany) has to 'import' them.

Smog-free Technology Now Available!

In the very near future electric pollution as we know it will have

come to an end. The scientific and technical conditions required are available now. A totally harmless 'biological' cell-phone will drive conventional "brain-frying devices" off the market. The question is not: Will a smog-free technology carry through? The question really is: Who is the manufacturer that will take the historical chance to fill the demands of a totally new market branch?

Technical evolution itself accelerates exponentially. The phenomenon is due to a standing pressure wave in the logarithmic space of scales (see *raum&zeit* No. 114 "Telecommunications Free From Electric Smog"). The universe expands to the same degree as the biosphere or as human civilisation – the opening up of greater scales requires ever higher speeds of expansion.

Muscle strength alone will not allow a man to leave the earth and conquer space. We are forced to develop technologies to accommodate expansion. Such forced development of technologies, particularly transport, communications and information technologies, is a fundamental prerequisite for the successful expansion of human civilisation and the securing of our long-term survival.

Should our civilisation prove unable to keep step with the rate of global expansion, then it is very likely that one day a meteorite will catapult our cultural achievements back to the Stone Age or that other civilisations will economically, culturally and technologically assimilate us entirely. The story of the conquest of the American and Australian continents

will be repeated on a different scale.

Exponential expansion always happens at maximum speed and hence requires utmost efficiency from all participants. Free and unhindered development of all scientific and technological areas is an essential prerequisite but is only possible if progress is not curtailed by limitation of resources and other monopolisation.

The End of Energy Monopolisation

A most decisive step in the evolution of human civilisation, therefore, is the pluralisation of energy production. We have reached a point today where the energy question does not pose a problem any longer. In principle, the technology is there today that each person and each company has the means to produce sufficient energy for their needs. The energy monopoly has become an antiquated institution. And with it will end the prelude to civilisation's greater evolution.

The division of labour in science according to the industrial model and the consequent monopolisation of basic research have blocked the understanding of global interconnectedness and of gravitation. The nature of energy and its origin have not been understood. Only the renaissance of a holistic science made it possible to discover a global standing pressure wave in the universe as the universal energy source and origin of all physical forces. Today it is



To G-Com® Cellphones underwater communication does not pose a problem, even in extreme depths and across thousands of miles. Standing gravitational waves share great similarity with acoustic waves. Dense media are no obstacle.

Photo: NOAA

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possible through Global Scaling theory to systematically conceive new energy sources.

Each new source of energy will also bring a new form of communication technology. Gravi-electric energy converters now enable us to employ global communication with minimal energetic expenditure using standing gravitational waves of natural origin as carrier waves.

This terminates every communications monopoly because the new medium of information transfer is an inalienable common property as much as sunlight or the air we breathe belongs to everybody. At the same time the age of global isolation will come to an end. Mankind will enter the commonwealth of globally communicating civilisations.

Technology Contrary to Natural Structures

Technical devices are built from the same atoms that constitute ourselves as well. And yet technical systems are completely unlike natural systems in terms of their lack of flexibility, susceptibility to failure, low efficiency, relatively short service life and health-risky side effects. All of these disadvantages have a common cause—the fact that technical systems until now have been developed without the knowledge of a global standing compression wave and its structure in the logarithmic space of scales. In contrast, natural systems have been optimised over millions of years due to a global selection process caused by the same standing wave. We ought to begin to rectify this omission and optimise technical systems according to Global Scaling.



G-Com® technology is not based on the transmission of electromagnetic waves but on the modulation of gravitational standing waves that know of now material obstacles. G-Com cell-phones therefore will also work underground (underground caves, mines, etc.) without difficulty and may prove particularly useful in salvage and rescue operations.

Photo: Arbeitsgemeinschaft Höhlenforschung



With an incredible technical expenditure transmitter masts are nowadays even erected in the Alps. Construction parts are transported by helicopters. Such extravagance is no longer required with G-Com® technology. It uses waves for telecommunications that already exist in nature and permeate the globe and the cosmos like a medium. The existence of such waves has been denied for 100 years by Einsteinian doctrine.

To be able to take part in global evolution with the efficiency necessary we must develop a form of technology that will truly be on a par with natural systems. Moreover such a technology must enable us to keep pace with a permanently accelerating global expansion into higher scale levels. Technology that was developed without knowledge of the laws of Global Scaling is nothing more than the prelude to technical evolution.

New Era of Robotics

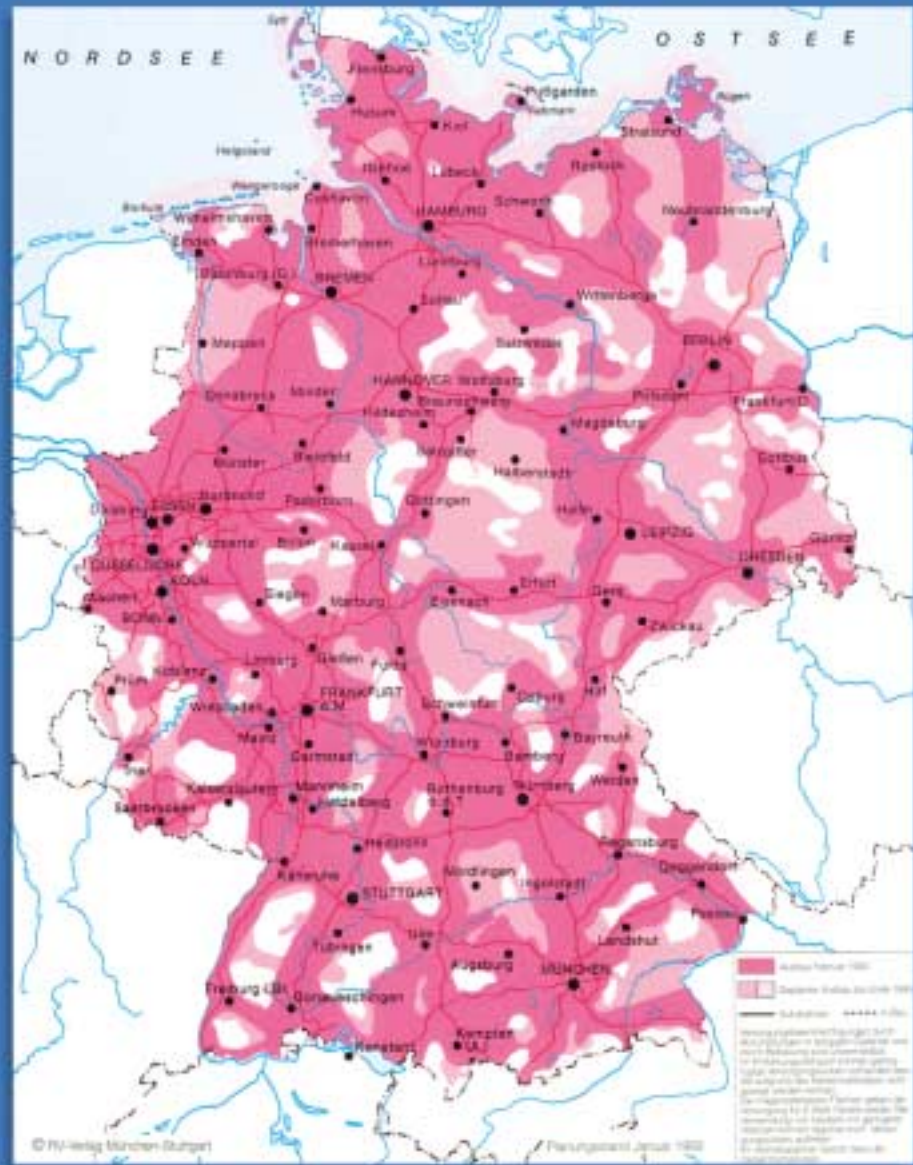
Any purposeful application of the mathematical structure of the logarithmic space of scales, i.e. the law of Global Scaling, is inconceivable without a functioning Global Scaling software and its technical application in terms of a universally integrated computer hardware. The Global-Scaling-Calculator GSC 3000 is the first step towards that goal. The industrial use of Global-Scaling-compatible hardware and software begins a new era of robotics and puts an end to the prehistory of so-called Artificial Intelligence.

Heavy e-smog behind the cow-shed: Bavarian farmer Josef Altenweger suffers in particular under state-decreed electric smog. His cows perished from nervous failure and calved deformed offspring; his whole family became ill because his farm is within the direct radiation range of over 20 transmitting stations. To this very day state and industry deny correlations between mobile radio transmissions and human and animal diseases. raum&zeit has reported on this distressing story several times. The G-Com® technology now available is able to free farmer Altenweger from his sufferings for the transmitting tower can go. It is no longer required for telecommunications.

Technology that destroys or contaminates life and the environment will hardly contribute to progress. It is for this reason that the Institute for Space-Energy-Research i. m. Leonard Euler remains totally opposed to applying the new physics for military armament purposes and is quite uncompromising in this respect. Any military conflict does not only destroy life but also devours gigantic amounts of resources and sets back social development by decades. As long as private weapons industries continue to stir conflicts in order to generate 'markets' for their products, and as long as talented engineers and scientists will invest 20 years of their lives in the production of killing machines such as fighter-bomber Lockheed F-22 "Raptor" (more than

This map of mobile phone transmitting stations in Germany (source: Telekom) is eight years old. By now the whole of the republic has been plastered with transmitter masts, the white blotches termed "radio holes" no longer exist.

The tiniest village has at least one transmitter mast, every day more are built. According to unofficial numbers the number of transmitting stations in Germany has gone above the 100,000 limit. The new UMTS technology will require another 80,000 masts. The "bio-cellphone" which comes with better technical equipment and less susceptibility to failure can do without these masts and their life-endangering electric pollution.



"What YOU get from our investment into the future" shows D1-server Telekom. A sarcastic answer would be: "Cancer, very soon." In its publicity leaflet Telekom presents the whole range of electrically polluting transmitter masts. Remember that these e-smog slingshots transmit day and night, uninterruptedly!

G-Com® technology does not require a single one of these masts.



Even though the artificially generated pulsed electromagnetic high-frequency waves rattling down on us each minute have already reached a frightening density, engineers are now planning digital traffic control systems that will supposedly untangle the permanent traffic jams. Nothing against traffic routing systems, but everything against environmental pollution due to electric smog. Using G-Com® technology such routing systems could be done much more efficiently, at less cost and without procuring electric pollution.

Proudly the latest customer developments are presented. The fact that more clients will cause more e-smog is quietly withheld.



Particularly perfidious: the Bavarian CSU government. Here the dealings of E-Plus Mobile Radiotelephone company that came about in cooperation with the christian-social government leadership: mobile radiotelephony is termed a “gain in quality of life”. People who suffer from the consequences of e-smog see this as sheer cynicism.

“Surprise guest coming for dinner...”: A masterpiece of manipulation from the CSU pamphlet: the square-pulsed high-frequency waves of digital telecommunications – so dangerous because they do not occur in nature – are likened to honey combs!

It couldn't be more brazen: “Mobile network expansion in meaningful accord with man and nature,” claims this concoction by the government. Farmer Altenwegger, whose health has been ruined by this network expansion and whose farm life is destroyed feels derided.

Monopoly Not Intended

When cooperating with the IREF

The Institute for Space-Energy-Research Ltd. (IREF) in memoriam Leonard Euler, Wolfratshausen, does not aim at monopoly. All companies, also middle-class enterprises, can apply for cooperation with the Institute as long as conditions of fair and transparent teamwork are met. Physicists and engineers will be made acquainted with the new physics. You will be introduced into G-Com® technology step by step, stage of development by stage of development, as far as this is necessary for the manufacturing of a “bio-cellphone”. To avoid misunderstandings from the start: G-Com® technology itself will not be revealed, nor can it be bought.

100 million dollars value each) — so long will civilisation remain on a pitifully base level. In contrast this new physics should be used to develop wholesome technologies of ergonomic design and free from fatal side effects.

G-Com® technology is based on Global Scaling and demonstrates that mobile communication can be free from electric pollution even when working across thousands of kilometres. Its present stage of development, however, still owns certain insuff-

iciencies that prevent widespread use of this technology. For instance, extreme electric pollution surrounding the oscillator (resonator) may disallow the onset of G-Com® transmissions altogether. The reason is obvious since the electronics used for link-up with the global gravitational background field is still conventional technology which has not (yet) been optimised according to Global Scaling.

Electronics Must Be Reset According to GS Optimised Frequencies

An essential requirement for the world-wide use of environmen-

tally safe G-Com® technology is a complete adaptation of the whole area of electronics to frequencies optimised according to Global Scaling. The incontestable advantage of these frequencies is not only a very high energy efficiency but also complete biological harmlessness

„All of this is no longer science fiction but already part of physical reality.“

Abbreviations and Their Meaning

AMPS	Advanced Mobil Phone System (USA) u. a.
AUC	Authentication Center
BS	Base Station
BSC	Base Station Controller
CCS7	Common Channel Signaling System No. 7
CEPT	Conférence Européenne des Administrations des Postes et des Télécommunications
CT	Cordless Telephone
DCS1800	Digital Personal Communication System 1800 MHz
DCS 1888	Digital Cellular System 1888 MHz
DECT	Digital European Cordless Telephone
ERMES	European Radio Messaging System
ETSI	European Telecommunications Standards Institute
FPLMST	Future Public Land Mobile Telecommunication System
GSM	Global System for Mobile Communications
HLR	Home Location Register
MAP	Mobile Applications Part
MoU	Memorandum of Understanding
MSC	Mobile Services Switching Center
NMT	Nordic Mobile Telephone System (Skandinavien)
NTT	Nippon Telegraph & Telephone (Japan)
OPTV	Österreichische Post- und Telegraphenverwaltung
PBX	Private Branch Exchange
PCN	Personal Communication Network
PCS	Personal Communication System
PTT	Staatsbedrijf der Posterijen, Telegrafie en Telefonie (Niederlande)
PTT	Schweizerische Post-, Telefon- und Telegraphenbetriebe
P&T	Administration des Postes et Télécommunications (Luxemburg)
RC 2000	Radiocom 2000 (Frankreich)
RTMS	Radio Telephone Mobile System (Italien)
RTT	Régis des Télégraphes et Téléphones (Belgien)
SFR	Société Française du Radiotéléphone
SIM	Subscriber Identity Module
SIP	Società italiana per esercizio delle telecomunicazioni
TACS	Total Access Communication System (Großbritannien, Irland u.a.)
TETRA	Trans European Trunk Radio
TMN	Telecomunicações Móveis Nacionais (Portugal)
UMTS	Universal Mobile Telecommunication System
VLR	Visitor Location Register

Telecommunications Vocabulary

since these frequencies occur naturally with all life on earth having adjusted to their existence. Hence, frequencies optimised according to Global Scaling will not cause allergic reactions; these frequencies do not contribute to electric smog. The presence of a natural galactic helio-geo-gravitational and electromagnetic background field is absolutely necessary for the healthy performance of vital processes in the cells of our organism (see raum&zeit special 1 "Living Cells Understand Electromagnetic Signals" and "Genetic Information Not Contained in DNA!").

Artificial electromagnetic fields not optimised according to Global Scaling of various origins can locally deform and 'drown' the natural background field. Such fields act on our cells much like interference signals since they do not comply with the natural frequency pattern to which all biological organisms on earth have adjusted over many millions of years.

People who are permanently or temporarily exposed to such interference fields live in virtual geomagnetic isolation and experience corresponding symptoms (chronic fatigue, sleeplessness, frequent infections, general im-

mune and motivational disorders, gastro-intestinal disorders).

The frequency band of our brain currents (1-100Hz) corresponds with the frequency band of the geomagnetic field (0-100Hz). This is not a coincidence. On the contrary, such close synchronisation documents a natural imbeddedness of biological electromagnetic fields into the flow of global (cosmic) processes. The tie-up is so strong that long-term normal human brain activity cannot be maintained under complete electromagnetic isolation. Even bacteria, fungi, plants and animals will develop abnormally when in electromagnetic isolation.

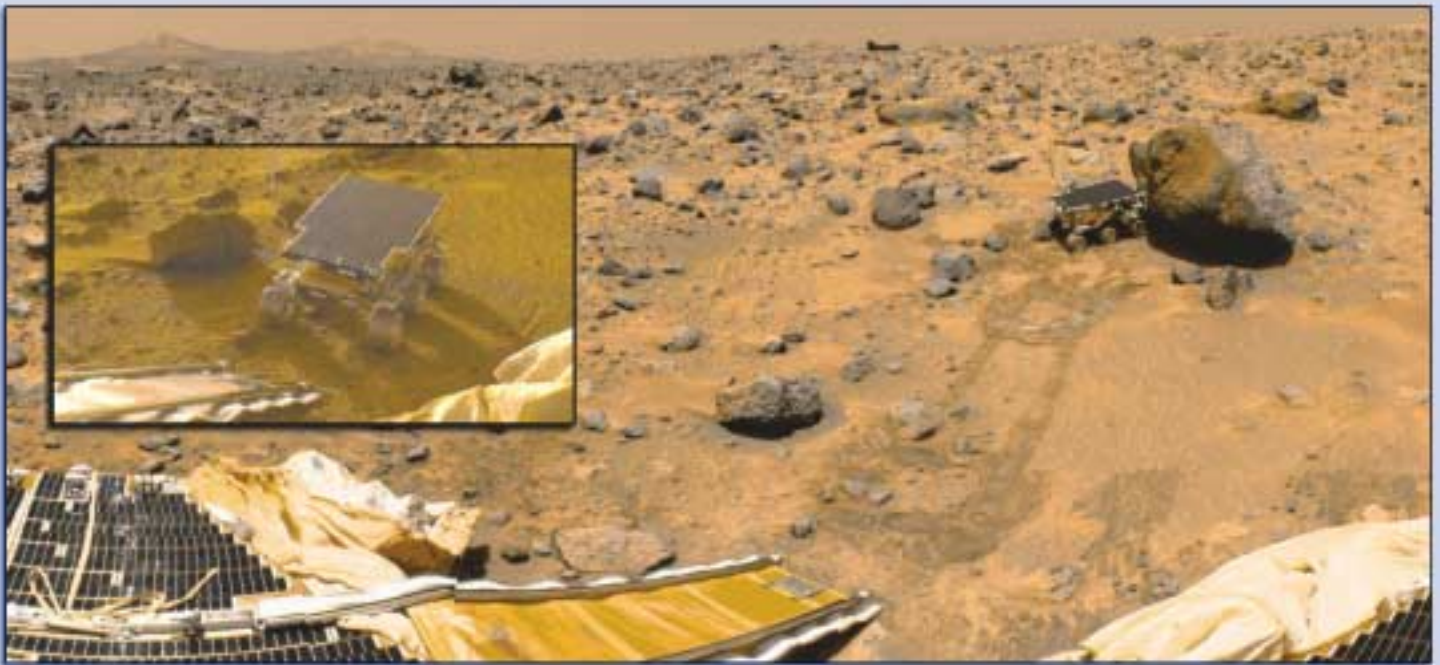
Does this mean that we should not apply EM alternating fields altogether? No. But natural biological systems do not use the small frequency band of 100Hz to its full extent. It can be shown

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This terminates every communications monopoly“

that living cells avoid the use of certain frequencies from astrophysical and geophysical origins or other natural processes as information channels. The same

— Advertisement —



When on 4th of July, 1997 Pathfinder landed on Mars our planet and Mars were relatively close to each other – the distance was “only” 192 million kilometres. Communication between Pathfinder on Mars and Earth took place along two microwave frequency bands – the S-band (2.3 GHz) and the X-band (7.2 GHz uplink, 8.4 GHz downlink). Despite luminal velocities of 299792.458 km/s the electromagnetic signal took 10 minutes and 39 seconds (in one direction) to bridge this distance. On June 22nd, 1998 the distance between Earth and Mars reached its maximum value of almost 377 million kilometres. The time shift of the signal was almost 21 minutes (one direction). Controlling the execution of commands

by the Rover from an Earth position a 40-minutes’ waiting period would have to be accounted. Under such conditions communication with and control of the Rover was impossible in real time. In contrast to conventional telecommunications G-Com® technology does not employ radio waves that propagate at light speed from A to B but standing gravitational waves. This means that a G-Com® channel is already in place long before transmission begins and is only being phase-modulated. The Time lag in G-Com® transmissions therefore is negligibly small – even across astronomical distances. G-Com® technology could be of interest to future Mars missions. Photo: NASA

applies to an entire series of frequencies in the high Giga and Tera-Hertz range. So the trick is to select those frequencies that are cellular-biolog-

ically meaningful and to do this in the entire public (and private) electrical and electronic domain. This is most essential in the whole question of electric pollu-

tion. Unless all technical electromagnetic alternating fields are being converted to natural as well as biologically harmless frequencies, G-Com® will remain

nothing more than a droplet in the bucket.

Indeed, modern cell biology does know many of the biologically relevant frequencies, but because this research is of primary military interest the data are not published. Never mind! The secrecy has become meaningless: Global Scaling Theory describes with mathematical precision the harmonic structure of the natural background field and permits the accurate calculation of each one of these frequencies. Without such calculations G-Com® technology would not be possible.

Who Will Make the Running?

Billions in Sales to Be Made Worldwide

The company that is first in its decision to begin with the manufacture of “bio-cellphones” will make the running now and in the future. The growing host of mobile radiotelephone opponents will be the first and most important customer group. They will make an immediate grab for it and will also ensure the fastest distribution of the bio-phone.

But there’s an even better reason to act quickly: biologically dangerous electric pollution has reached a density that will sooner or later cause the collapse of our civilisation. This means that we are approaching the time when the entire telecommunications network must be switched off since the diseases that are already triggered by e-smog, such as allergies, cancer, leukaemia, brain

strokes, immune disorders, etc., will very shortly appear as epidemics. This will be the last moment when politicians must take action. The manufacturer of “bio-phones” will have already reached a safer shore while other competitors suffer billion dollar losses for transmitters and devices that can no longer be sold.

Interested? Companies equipped with the necessary know-how in the telecommunications sector as well as with the energy to push the “bio-phone” onto the market should contact:

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The Institute for Space-Energy-Research Ltd. in memory of Leonard Euler herewith addresses the industries of electronics and communications, engineers and manufacturers who wish to take advantage of a unique opportunity and establish themselves as the pioneers of a pollution-free technology. ■