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The Nuclear Option Against British Sabotage In Our Gulf

June 13—It appears increasingly likely that recourse to use of a peaceful nuclear explosive (PNE), may become the only available option to seal the damaged BP well in the Gulf of Mexico, 41 miles off our coast.

Such a measure can be carried out with virtually zero danger of radioactive release, according to experts, including Milo Nordyke, a former chief scientist on the U.S. Operation Plowshare program for peaceful use of nuclear explosives.

A 10- to 15-kiloton nuclear device would be placed within 20 to 30 feet of the well bore, at a depth below 6,000 feet, where no danger of wave formation from deformation of the sea floor could occur. The explosion would produce a shock wave that would push rock hori-

zontally against the well bore, sealing it shut. That would close the hole, well below the probable cracks that may exist in the upper 1,200-foot layer of mud and soft rock. In a worst-case scenario in which the well failed to seal, the minimal amount of radioactive material that might escape up the well would be so diluted upon mixing with seawater as to render it harmless.

Smaller nuclear devices, carried by projectiles of a classified nature which could be injected directly down the well bore, are also possible.

Whether or not it becomes necessary to use such a device, it is urgent that preparations be made now for such an eventuality. There is growing evidence that the well is releasing oil at a rate of



Petty Officer First Class John Masson/USCG

Black smoke from a controlled burn over Deepwater Horizon, billows into the atmosphere, over the Gulf of Mexico. We need to prepare now for a nuclear option to seal the well.

90,000 barrels per day or greater, while the likelihood of success of the relief wells has been called into question. Stratigraphic studies, design and building of the device, and preparations for deployment all take time, time which has been lost by the Administration policy of denial. Expertise in these matters resides among specialists at the Lawrence Livermore and Los Alamos national laboratories.

Such a program can be carried out only under U.S. government authority. The urgent need for preparing the nuclear option thus provides one more reason why BP must be expropriated under national security emergency measures, its records seized, and its top executives jailed and held for trial on crimes including the criminally negligent homicide in the death of 11 oil rig workers. That will require the removal of the British tool presently occupying the master bedroom at 1600 Pennsylvania Avenue.

A greater challenge might arise, if BP actually drilled to 30,000 feet, or below, and is tapping into a deep formation at very high pressures—another reason why we must take over, and gain control of the situation.

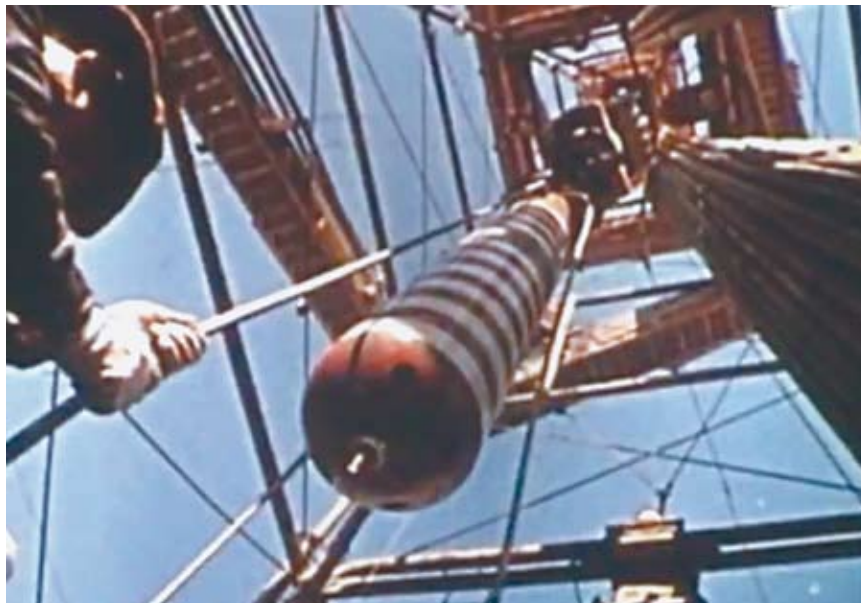
The Other Nuclear

Apart from such immediately required measures, the unfolding crisis in the Gulf brings to the fore a more far-reaching, yet most urgent necessity.

The underlying cause of the Gulf Oil Crisis has been our failure to go nuclear. Supporting the present world population of 6.8 billion persons at a decently human living standard cannot be accomplished with the present mix of energy and raw-material-extraction technologies.

The widespread introduction of high *energy-flux-density* power sources, starting now with nuclear power, and moving on to controlled thermonuclear fusion, and later, to matter-antimatter reactions, is essential to ensuring our future survival.

For now, nuclear power is the key to replacing our present dependence upon fossil-based fuels. The energy contained in 1.86 grams (0.07 ounces) of processed uranium is equal to 1,260 gallons of petroleum and 6.15 tons of coal. Comparing these ratios of energy output, per weight of fuel, provides an approximate



Video grab of a bomb being positioned near a burning Soviet gas well in 1966, to stop the fire and seal the site. This was the first use of a PNE for this purpose. The video can be seen here: <http://atomicnewsreview.org/2010/05/31/an-atomic-bomb-will-stop-the-gulf-oil-leak/>

sort of measure for the concept of energy flux-density. By such measure, the advantage of nuclear comes to 2.16 million to 1, as compared to oil, and 2.98 million to 1, as compared to coal. Mastery of the thermonuclear fusion reaction will allow us to raise those ratios by several orders of magnitude, and make manned interplanetary space flight a reality for coming generations.

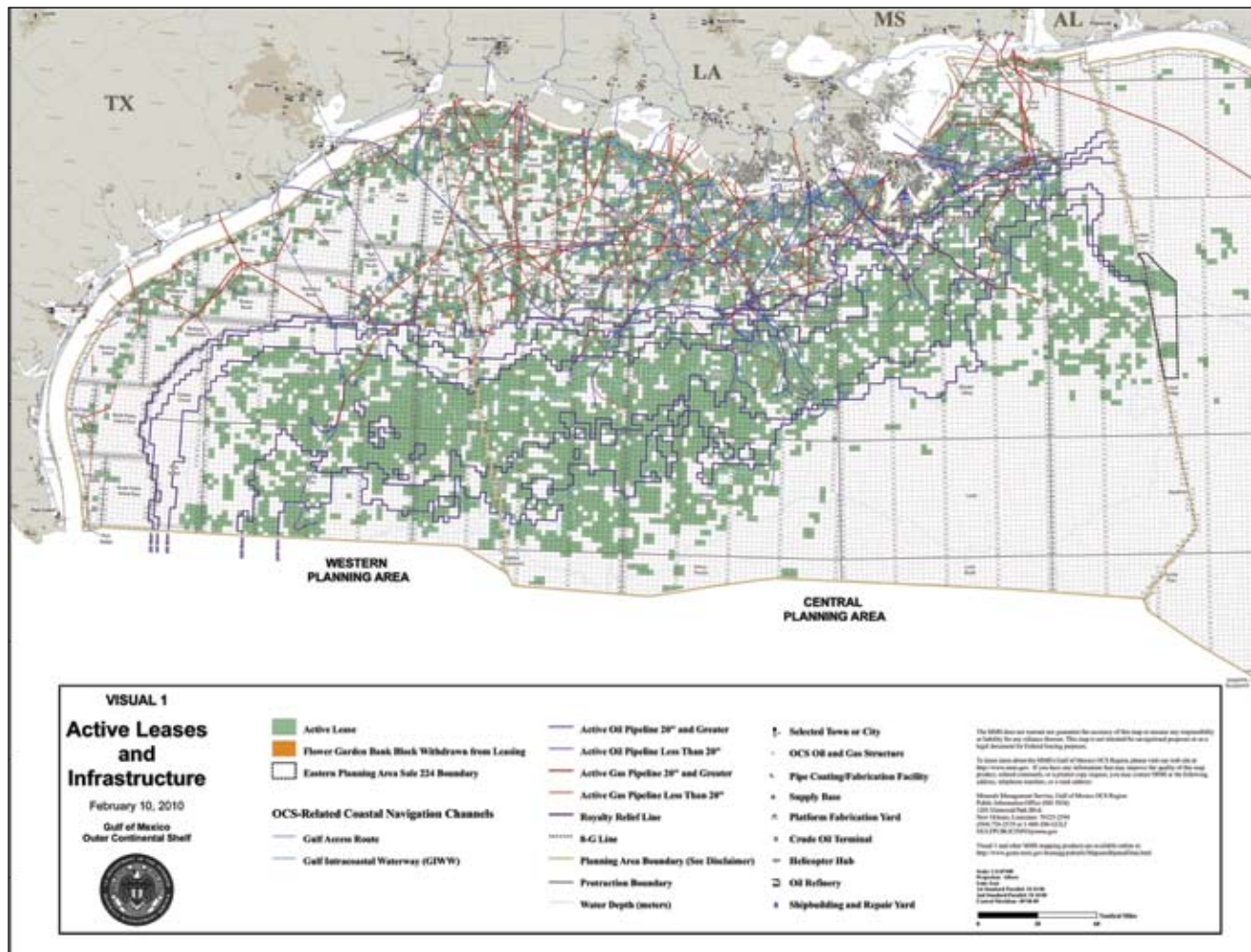
The temperature and energy flux-density of the nuclear fission reaction permits the production of cheap electrical power, and of industrial process heat needed for processing ore and the desalination of seawater.

Nuclear power can also replace fossil fuels in transportation, eliminating completely the dependence upon imported oil and deep offshore drilling. The temperature and high energy-flux of a nuclear reaction permits us to economically separate water into its constituent atoms. The hydrogen so produced can be burned as a fuel, either directly, or by recombination in fuel cells. Synthetic hydrocarbon fuels and various types of hydrogen carriers, such as ammonia, may also be produced to supply specialized needs for liquid fuels. The abundant electricity produced by nuclear power will supply battery-powered vehicles, and more important, provide the power to a nationwide

grid of magnetically levitated high-speed rail.

To bring the present world population up to acceptable standards of living will require the production of at least 6,000 new nuclear power plants within the next generation. Wind and solar energy installations not only cannot meet that need, but cost more, in actual physical economic measure, than they contribute to an economy.

A more precise definition of *energy flux-density* is transformative power. Beyond the already cited advantages, a nuclear reaction produces a change in the structure of the atomic nucleus such as will never occur in a windmill, solar cell, or oil-, gas-, or coal-fired power plant. The next phase of our economic development, the isotope economy, will involve the production of new materials, including those of varied isotopic composition, for use in industry, agriculture, medicine, and space colonization. We will get a start on this through our gear-up for mass serial production of nuclear plants, including new design types, such as the high-temperature gas-cooled reactors, integral fast-flux reactors which breed more new fuel than they consume, and similar proven designs. With the development of thermonuclear fusion reactors, other capa-



There are now more than 4,000 oil rigs in the Gulf of Mexico, plus oil and gas pipelines and other related infrastructure. Click on the [link](#) to get the full map, and to find the site of BP's Deepwater Horizon well on the grid, No. 252 in Mississippi Canyon.

bilities become possible. Mastery of the low-energy nuclear reactions ("cold fusion") will also contribute to the isotope economy, adding new dimensions to our understanding of nuclear transmutations.

The intentional suppression of that just-described economic future has been the central feature of British imperial policy over at least the past half century. The specifically stated intention of leading British figures, including Prince Philip, the late Lord Bertrand Russell, and former H.G. Wells collaborator Julian Huxley, has been to carry out a drastic reduction in human population, to fewer than 2 billion persons.

What Caused the Blowout?

Lacking nuclear power, the push to ever deeper drilling for oil and gas resources was inevitable. Whether the

blowout of the Macondo well was due to the greed and utter incompetence of BP officials, or, as also appears possible, it was a willful act of sabotage, such an event was, in any case, inevitable, sooner or later.

It may be that the blown-out BP well is not at the 18,000-foot depth cited in the company's public relations efforts, but at 30,000 feet, or that other deep wells in the vicinity have tapped into formations, known as oil migration channels, at this depth. There is evidence that the theory of Russian geologist Vladimir Kutcherov, according to which oil is continuously formed deep within the Earth's crust, at depths of 30,000 feet or greater, may have been secretly adopted by the oil cartel, at the same time that the theory was publicly discredited and dismissed.

Under this theory, drilling on the cracks between continental plates, or in such formations as are found in much of the Gulf of Mexico, would tap into these rich reserves. Soviet oil and gas production may have already exploited such deep faults, possibly below 30,000 feet. Kutcherov, in collaboration with scientists from the Russian Academy of Sciences, experimentally demonstrated the production of methane, and heavier hydrocarbons of the alkane series, from a mixture of calcium carbonate, iron oxide, and water, maintained at extremely high pressures and temperatures, such as are found deep within the Earth. The origin of deep oil would thus be abiogenic, confirming the earlier hypotheses of Alexander von Humboldt, Dmitri Mendeleev, and Marcelin Berthelot. The biological signature found in oil is a

result of dissolved organic matter in the abiogenic petroleum, according to the Russian-Ukrainian theory. The action of deep-dwelling life forms upon the already produced hydrocarbons may also play a part.

The Soviet use of peaceful nuclear explosives for oil and gas exploration may have been operating on this view. This was the same program which pioneered the technique for sealing runaway gas-well fires, using small nuclear charges placed in slant wells which intersected the runaway well several thousand feet down. That program was successful in all its attempts, closing five wells and reducing pressure in a sixth, according to a report, published in 2000, by Milo Nordyke of Lawrence Livermore National Laboratory.

There is some indication that advanced thermal imaging techniques, using satellites, may have been carried out by U.S. government agencies, beginning in the 1980s, in an attempt to map these formations in the Gulf. It is possible that BP obtained access to that classified data for use in its Gulf exploration campaign.

There is also indication that BP is presenting to the public a Hollywood-like scenario of its operations on the sea floor. Engineering experts point out that the Cameron Blowout Preventer, the five-story tower which sits, or once sat, on the sea floor at the well outlet, was designed for a maximum pressure of 15,000 pounds per square inch (psi), while the explosion appears to trained observers to have produced pressures in excess of 30,000 psi. In that case, the blowout preventer would have been damaged beyond functionality. The device we see in the live video streams may be a second blowout preventer, which is getting its oil by piping from the main well, or a nearby production facility. The main well may be completely open, according to some industry insiders.

Thus the Macondo blowout may be the result of having struck into extremely high-pressure migration channels of deep oil. Or, there may be an element of willful sabotage in creating the disaster, directed by British interests against the United States. In either case, the time for expropriation, and preparation of the nuclear option, is now.

—Laurence Hecht



Another Radiation Scam: Expansion of RECA

To the Editor:

Companion bills in the House and the Senate would expand the Radiation Exposure Compensation Act (RECA) to Idaho, Montana, Colorado, New Mexico, and to areas in Utah, Nevada, and Arizona that are not now covered. Also, the bill would increase the payment from \$50,000 to \$150,000 to any person exposed to fallout from atmospheric nuclear tests conducted at the Nevada test site, who has been or will be a victim of cancers covered by RECA.

For example, my father, who died of heart failure at the age of 94, also had colon cancer at the time of his death, and, therefore, his heirs would qualify for the \$150,000 payment.

The new bill is linked to the 1997 National Cancer Institute (NCI) crude estimates of the radioiodine doses to individuals residing in 3,053 U.S. counties. These estimates almost immediately caused politicians in Idaho and Montana to demand expansion of RECA to their states. [rex.nci.nih.gov/massmedia/statebystate.html.]

The NCI estimates were based on historical measurements of the amounts of radioactivity deposited, daily local rainfall, and assumptions about patterns of milk consumption. The number of monitoring stations across the United States varied with time, but never exceeded 100.

The radioiodine dose averages of the 11 counties of Nevada, the 10 counties of Arizona, and all counties in New Mexico not currently covered are 0.11 rads, 0.22 rads, and 1.5 rads, respectively. For perspective, estimates for parts of Washington County in Utah and several counties in Idaho and Montana exceed 10 rads; Iron County of Utah currently covered (1.6 rads) and New York County not covered (2.3 rads).

If the proposed bill becomes law, what
(Continued on p. 9)

Krafft Ehricke's Extraterrestrial Imperative

by Marsha Freeman

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Apogee Books, 2009,
302pp, \$27.95



From this new book the reader will gain an insight into one of the most creative minds in the history of space exploration.

Krafft Ehricke's contribution to space exploration encompasses details of new, innovative ideas, but also how to think about the importance and value of space exploration for society.

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At this time, when there are questions about the path of the space program for the next decades, Krafft Ehricke has laid out the philosophical framework for why space exploration must be pursued, through his concept of the "Extraterrestrial Imperative," and the fight that he waged, over many years, for a long-range vision for the program.

Readers will find it a very imaginative work, and a very up-lifting story.

Krafft Ehricke's *Extraterrestrial Imperative* is the summation of his work on encouraging the exploration and development of space. The book contains all of his reasons why we need to get off the planet and explore space.



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