

By Eugene F. Mallove, Sc.D.

Infinite in All Directions

One of our favorite people is physicist and man of letters Freeman J. Dyson of the Institute for Advanced Study in Princeton, New Jersey. Though Dyson, because of his high-profile, expansive thinking—receives a complimentary subscription to *Infinite Energy*, we have not yet heard his reaction to recent developments in the cold fusion/ new energy saga. Ironically, Dr. Dyson should be one of the first to speak up, for it might be said that he unwittingly heralded the now imminent energy revolution.

He wrote in his book, *Infinite in All Directions*, back in 1988, which was obviously before “CF Day,” March 23, 1989 (the seventh anniversary of which we now celebrate):

“There is no reason why a new technology has to develop like fission and fusion on a thirty-year time scale. All it needs in order to go fast is small size of units, simple design, mass production, and a big market.”

What a *perfect* description of cold fusion and related technologies and what is about to happen! Nearly a decade earlier he had written in *Disturb-ing the Universe* (1979):

“To answer the world’s material needs, technology has to be not only beautiful, but also cheap.”

Both these sentiments were recalled in *Fire from Ice*, my account of the first two years of cold fusion. Surely, you were *not joking*, Mr. Dyson—to steal some fire from the title of the book of strange life adventures told by Dyson’s late scientific colleague, Richard P. Feynman.

(The latter suffered the great misfortune of having died B.C.F. — before cold fusion!) So, Dr. Dyson, *come on aboard* — and when you do, please let us have some eloquent words about the ostrich-like behavior toward cold fusion by your colleagues at Princeton, the American Physical Society, etc., etc.

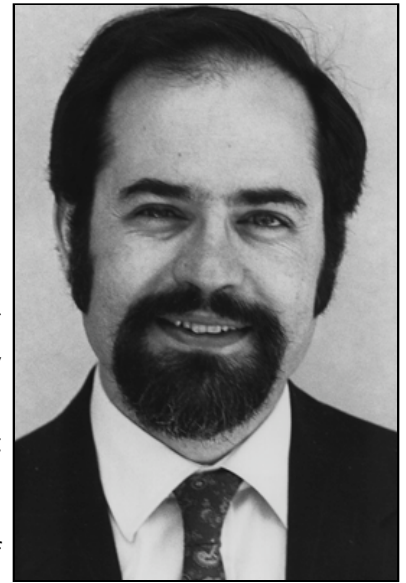
The seventh anniversary of the Utah announcement is indeed here. Given the tribulations of the Cold Fusion War, it seems like a *century*. The day was nicely heralded by a close pass to Earth on March 23, 1996 by one of the brightest comets of record!

“Infinite in all directions,” is an apt description of how the field of cold fusion and new energy is evolving today. For “mainstream” cold fusion we have the spectacular kilowatt-plus thermal output of the Patterson Power Cell, which was demonstrated last December at the huge Power-Gen ‘95 energy trade show in Anaheim, California. The power ratios were 1,000:1 or better. Actually, since many cold fusion phenomena (including Patterson’s cell) exhibit “heat after death,” i.e. heat production with no input power (once they get going), power ratios are effectively *infinite*.

The evidence of transmutations of heavy elements in cold fusion cells is now irrefutable, growing, and must be considered a serious piece of evidence for the explanation of the mechanism of “cold fusion.” This is the “alchemy” aspect of cold fusion that infuriates so many establishment physicists—it gives DOE’s anticold fusion hatchet man, John Huizenga, apoplexy! On this historic ABC television broadcasts about the Patterson Power Cell

(February 7th, “Good Morning America” and “Nightline”), Huizenga exhibited signs of terminal confusion as he nervously repeated his nonsensical mantras of the last several years. Huiz-enga et al just can’t tolerate the implication (now a *certainty*) that physics somehow took a very wrong turn in the first decades of the 20th Century— all textbooks are going to have to be rewritten to accommodate these strange phenomena.

As we went to press with this special Double Issue, a private meeting was being organized in Illinois by CETI (Clean Energy Technologies, Inc.), prospective corporate investors, and Professor George Miley of *Fusion Technology* to discuss recently acquired evidence of element transmutations in the metallic coatings of Patterson beads from operated cells. With repeatable power production and sustained high power levels, it will be much easier now for experts to puzzle together the reaction pathways relat-



ed to the enigmatic heat-producing phenomenon. Our regret, expressed so perfectly by Jed Rothwell in his talk at our Cold Fusion/New Energy Symposium at the Cambridge Marriott last January (see his article on CETI in this issue), is that the field is being held back by highly restrictive commercial arrangements. *Right now*, instead of a mere handful of cells being placed with researchers signing non-disclosure agreements, there should be *hundreds* of Patterson Power Cells in laboratories around the world. The cold fusion controversy would thus be nearly over.

Fortunately, CETI and Patterson’s cell are not by

Why We Donated \$4,000 to Cold Fusion Technology to Help Fund This Magazine by Dr. Bob & Zoh Hieronimus

In 1990, Hieronimus & Co. began a series of shows on Alternative Energy in hopes that the Gulf War scenario would never be repeated. In 1991 Dr. Eugene F. Mallove joined us for the first in a long series of programs updating our listeners on the success of Cold Fusion research and its applicability in every sector of our collective and personal lives. We are enormously impressed with Dr. Mallove’s research, integrity, and courage of convictions and are proud to link our name with him and his publications. It is a great honor to contribute to his noble efforts and **we urge all readers who want to preserve a better life for their loved ones, family and future generations to demonstrate their support by purchasing numerous subscriptions**, video and audio tapes and other items from Cold Fusion Technology, and pass them on to their circle of friends and colleagues.

Hieronimus & Co. currently produces daily radio programming and will presently begin television productions on subject matter that the mainstream print and electronic media regularly ignores or ridicules, while at the same time unquestioningly reporting research that supports the status quo.

Catalogue listings of our programs and a bi-monthly newsletter are available. Hieronimus & Co.
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any means the whole picture. Dr. Randell Mills of HydroCatalysis Power Corporation in Lancaster, Pennsylvania has left ordinary water electrochemistry far behind. His company now has high-temperature hydrogen *gas-loaded* cells that work repeatedly at fossil-fuel combustion temperatures and power densities. HPC appears to be well-funded, well-staffed, and organized to bring out commercial products—self-sustaining electric generators—in the next few years. Perhaps Piantelli of Italy, supported by automotive giant, Fiat, will be neck and neck with Mills in his group's metal/gas cold fusion cells. Let's hope that the spirit of competition will spur CETI, HPC, Piantelli and others to greater disclosures. The new energy pie is *very large*—no need for any one entity to try to claim 100% market share, especially when patent protection is already in place.

And now for that most infinite of all directions: magnetic motors that are pre-sumptively "over unity." Tests at two independent U.S. laboratories with solid reputations have now confirmed the extraordinary performance of the Y. Takahashi permanent magnets. These patented magnets appear to violate all the known rules for permanent magnet formulation—achieving so-called BH-products of up to 200 MegaGauss-Oersteds (MGOe). Top-of-the-line permanent magnets are extraordinary if they achieve BH-products of 50 MGOe. These "Y.T. Magnets" were not supposed to be possible.

In specially designed electric motors, these magnets appear to produce astounding effects—*unthinkable* effects. Some of the effects that we know about from the lab experiences are giving researchers there sleepless nights—that's why they wish to remain anonymous for now! And, when these magnets are used in specially designed motor/generators, after they have been started by chemical electric storage batteries, they literally run on their own and power automobile headlights. Of course, *not one second* of such outrageous performance should occur, but the lights remain lit for over 10 minutes of the demonstration— with no end in sight. Sorry, we had to say it! In this issue of *IE* our sane and still skeptical Chris Tinsley recounts his experiences with Dr. Takahashi, his motors, and a retrofit electric scooter. Our opinion is this: it is either *the real thing* or *fraud*. With the background of a man like Dr. Takahashi (see his C.V. inside), his confirmed revolutionary magnets (with U.S. and international patent protection), what would he gain by conducting bogus demonstrations before University professors and hard-

nosed engineers?

Last, but not least of this month's infinite directions, consider that a group of self-funded investigators in Ohio—"The Cincinnati Group"—appears to have developed a very high temperature "cold fusion" process using DC or AC electrical input that literally can melt and boil ceramic tiles. We have seen this process first hand—we have independently done it ourselves—and continue to be amazed at what it can do so easily. The materials that allow the process to occur are astonishingly specific, but once the right materials are used, it works every time! (For now we are under non-disclosure agreement with the Ohio group, but we hope to be public with more specific information in the future.) Unfortunately, the calorimetry of this process is not easy, though some HVAC people called in as consultants have measured power ratios on the order of 10/1. But remember this: it is over 1,000 °C!

This is not the end of the "miracles" of the New Energy Age....There is much more to come. Enjoy!



Institute for New Energy

is an international organization to promote new and renewable energy sources. Its monthly newsletter is

New Energy News, reporting worldwide on all facets of new and enhanced energy. Memberships in INE are \$35 per year for individual, \$60 for corporations & libraries, and includes 12 issues of *NEN*

Fusion Facts, a monthly scientific newsletter covering worldwide research in the cold fusion phenomena. Subscriptions are \$300 per 12 issues.

Fusion Information Center
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Also available, *Cold Fusion Impact in the Enhanced Energy Age*, a book about the near future of the world energy situation. Phone for information: 801-583-6232

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We are an intellectual property clearinghouse serving the interests of both cold fusion inventors and commercial developers throughout the world. Our staff is actively pursuing allowance of U.S. and international patents in most areas of cold fusion effects, including the original, pioneering work of Pons and Fleischmann.

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