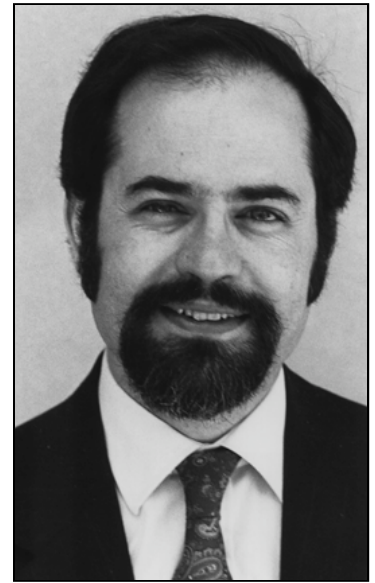


By Eugene F. Mallove, Sc.D.



New Physics, Life Saving, and Philanthropy

Today, some 25,000 children will die of disease and deprivation, simply because they do not have what we in the developed world take for granted each day—clean drinking water. It is literally a matter of life or death whether this world has enough energy and good faith to make pure water available to children who will die without it.

We draw your attention to the contributed essay/proposal, "Hopes and Dreams" on page 9, by cold fusion scientist Dr. Dennis Cravens. Dennis speaks of the need for philanthropic support of projects to help save lives—*some immediately, and more in the near term*—using both available, proven technology and the emerging commercial cold fusion devices that will soon be with us. Now that very robust performance is being demonstrated with a variety of technologies, *we can do it!*

None of these new energy technologies would work, however, if it were not for the astonishing discoveries in physics that have emerged from the "energy from water" and electromagnetics fields. This issue of *Infinite Energy* is especially pregnant with evidence—both scientific and commercial—that the self-satisfied "End of Science" and "Theory of Everything" mentality so prevalent in mainstream scientific culture is about to be dealt a much deserved death blow.

We have low-energy transmutation phenomena that are being researched, replicated, and technologically positioned to help clean-up the radioactive mess that the nuclear bomb culture and business-as-usual conventional nuclear physics and engineering have made in the 20th Century. We have electrical energy coming—seemingly from space itself—in the remarkable experiments of the Correas, which have staggering commercial potential.

We have Dr. Randell Mills of BlackLight Power, Inc., whose

experimental and astrophysical evidence for hydrinos—shrunk hydrogen atom electron states—appears to rewrite quantum mechanics (QM). Many in mainstream cold fusion—yes, Virginia, there *is* a heavy-water/palladium and heavy-element-transmutation-rejecting "cold fusion establishment," shocking though that may be. It resists even *looking at* Mills' ideas.

The longer these people ignore the experimental evidence provided by Mills, the more unseemly their behavior becomes. Let's face it guys: hydrinos either exist or they do not. There is much astrophysical and laboratory evidence for them. There is also much reason to believe that standard QM has little chance (OK, maybe a small one) of explaining the plethora of nuclear anomalies and energy anomalies in "cold fusion." So be it, if this requires going beyond the admittedly highly successful QM and seeing whether a larger theory—such as that of Mills, or of anyone else—can deal with these anomalies. We have seen the Dr. Hagelsteins and the Drs. Chubbs, the Dr. Preparatas and Kims, and many others try to employ old physics tools to explain what is going on—they have not succeeded. Perhaps Mills has. We only wish that he would be more open to the increasingly well-characterized anomalies of low-energy transmutation, which his hydrino theory seems to allow perfectly—see the language in his Australia-granted patent, which is reproduced in full (pages 67-72). If the catalytically shrunk hydrogen atom is neutral-looking enough it could well sneak into positively-charged nuclei and raise the havoc that is being seen.

Why am I so ready to chuck standard QM for what Mills and others might offer? Well, just look at standard electro-

magnetics—standard physics is not very solid! Sure, it specifies and long ago predicted our entire radio-television-cell-phone communications culture. That's great, but *so what!* It can't, apparently, explain the Marinov motor—as Dr. Thomas Phipps, Jr. and Jeffery Kooistra dramatically show in this issue. A simple table-top experiment that high-school students can perform may blast standard EM theory out of the water as a comprehensive physical framework—and along with it what may be left of Al Einstein. Yes, read *Heretical Verities*, and read Kooistra's review of it. Dr. Thomas Phipps is only one—the most eloquent one—of a growing number of perceptive experiment-driven theorists who find much to fault within Special Relativity—the physics icon of the 20th century, if ever there was one. Good bye, Al, nice having known ya'!

Now back to philanthropy and investing. Does anyone seriously doubt the need for that key catalytic ingredient—not potassium, but money—to transform this world: to save the dying children who need a mere glass of clean water each day to be rescued; to overturn the physics and sheep-like media establishments who buy their Theory of Everything, Give-Us-a-Few-Tens-of-Billion-Dollars-to-prove-it BS? Many of the cold fusion/new energy companies are beginning to receive much deserved funding and investment to keep *them* from dying of starvation or dehydration. Great! But much more is needed. Very soon—like NOW—we are at the stage where engineers can rapidly bring these discoveries into the marketplace so that we CAN save those children. But who will *buy* the new energy devices to GIVE to the children and elders of this world? Philanthropists, that's who.

We are fortunate to have met a few of these *wonderful* people ourselves. Some have an orien-

tation around investing in new energy companies—but feel that it is a Good Deed—even if by some chance they should lose. Fine! Others simply want to help support the field with donations, and they have. For example, several key people gave financial resources to keep *Infinite Energy* going and make it go further. We are not ashamed to say that we could use more. We've worked for years with either NO salaries, or our current very modest ones. We are prepared to continue in the trenches as low-paid guerrillas. But think of how much more effective we and our colleagues would be if we could afford, for example, those \$23,000-a-shot Op-Ed-page ads in the *New York Times* that Mobil Oil runs. Mobil is so rich that it *donates* its ad space to other causes! Do you think they'd give us space to tell the story of how the cold fusion/new energy field is going to put them, Shell, Texaco, Saddam Hussein, and the rest of them out of business? Hah!

How about money to print 25,000 or more copies of *Infinite Energy* each time (rather than the current 5,000) and have a *permanent touring exhibit* with working new energy devices that would go from technical trade show to trade show—*giving away* introductory copies so that we can prove to the critically need engineers and scientists that we are *not kidding*—this stuff IS real!

Continued on page 5

We have recently moved to a better office facility—a much *warmer* office in the same complex—thanks to the insulation and better air circulation. Our new and indispensable Managing Editor, Barbara A.F. DelloRusso started here beginning in the first week of January. This was a remarkable innovation for us! You mean, we will actually have at least *two* people always in the office processing orders, and answering phones, preparing the magazine, and doing experiments—not just *one* (me) for two thirds of the week, as in the past!! The day of the one-person magazine office is over, thank you!

We still are holding onto our key laboratory space—and magazine storage space—in the adjacent building. These things are much cheaper than Tokamaks. Hell, our entire annual budget right now—is less than the salary of the highest paid MIT staffer—hot fusioner Prof. Ronald Parker. Parker, you may remember, called Pons' and Fleischmann's work a "scam" back in 1989, barely a month after the Utah announcement—and then he bold-facedly denied he had planted such a revolutionary charge.

Sure, we need lots of the things we've just mentioned and more—so please help us, if you can, or if you know someone better able who might be persuaded to help. So many other environmentally conscious organizations receive *millions* of dollars each year, e.g. the Union of Concerned Scientists in Cambridge, Massachusetts—budget over \$4 million/year. But are they looking into cold fusion as they should be? Of course not! We *gave* the UCS our materials on cold fusion. They threw it into the trash basket. As soon as we are accepted, the UCS will be history—including Prof. Henry Kendall of MIT—its guiding force, the Nobel laureate and heir to a vast medical products fortune. He is a travesty, possessing (so far as we can tell) not the intellectual curiosity of a snail, like so many of his MIT Physics Department brethren.

Not satisfied with some of the plans given above, we have in mind even grander goals. One nearly miraculous group (maybe its work is "miraculous") that we have contacted (per agreement, it shall remain anonymous *forever*) has agreed to put up so much money for Cold Fusion and New Energy that we could literally BUY the US hot fusion program (if we were so stupid as to want to do that!) and make it to GO AWAY. These people are real, with deep roots in American history: they are quiet, peace-minded, and I have met them face-to-face. They have the spirit, that is for sure. They want to do it. We know that they really *can* do it, but *will* they do it? We *pray* they will, but we have been used to disappointments!

Of course, we would not waste time with evaporating hot fusion if this blessed money really did materialize in the coming year. But we *would* set up a

Tinsley/Schwinger Foundation *immediately* to channel tens of millions of dollars into grants to worthy scientists and engineers who want to work on New Energy Technologies—several hundred such scientists each year for years to come. Emphasis would be on developing the science and technology that would most likely lead to short term-implementation of demonstration units and devices that could be used to provide clean water in remote areas. Saving lives, you bet. Do you think that *Nature* and *Science* would accept our full-page ads—\$6,000 to \$7,000 announcements about the availability and application procedures for these grants?

And, we would set up a *New Energy Institute* NERI, probably right here in Live Free or Die (Cold Fusion or Death!) New Hampshire, within commuting distance for *good* scientists from the Massachusetts area, but NOT giving the state of Mass. anything to boast about. Let it have the reputations of Harvard and MIT professors to boast about forever—these Federally funded folk were the snooty-nosed ones who ignored and

Continued on page 51

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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Dr. Thomas E. Phipps, Jr.

Photo by: James E. Corley

**About *Heretical Verities* author,
Thomas E. Phipps, Jr.
(Reprinted from the book)**

Born in Champaign, Illinois in 1925, he was educated at Harvard in nuclear physics, worked during World War II in P.M. Morse's Operations Research Group in the Navy Department, and subsequently returned to Harvard to do an experimental thesis on molecular beam NMR under Norman Ramsey. His later career included a total of twelve years in the Pentagon, ten in systems analysis for the Navy and two in research management for the Department of Defense, as well as similar assignments at Navy laboratories in California and Maryland. In 1980, counting his debt to Caesar paid, he took an early retirement in order to resume his main interest, physics. A small laboratory was set up, shared with his father (an emeritus professor of physical chemistry at the University of Illinois) wherein they performed the experiments described in Chapter 7. He has thus exploited a rare opportunity for objective and unfettered probing of the state of modern science ... and this book is one of the results.

The book's dedication:

*To my father, last of the "glass blowing"
physical chemists, who lives for
experiment.*

**Other praise for
Heretical Verities—
endorsement printed on
the book cover:**

Phipps ... takes up his critique of relativity and quantum mechanics at roughly the point where Bridgman left off ... His basic claim is that both relativity and quantum mechanics have departed in dangerous ways from the methods that had led to steady progress over the years, and that much of the current theoretical confusion results from this fact ... In supporting this claim he must meet the problem of "clock synchronization" ... He does this in an ingenious way ... I accept his construction as valid, and profound ... I urge the reader to follow Phipps' construction in detail.

He goes on to deal with quantum mechanics ... His approach has the advantage of establishing a "Formal Correspondence" that works both ways, thanks to preserving the "initial state parameters" of the classical theory in the transition; in contrast Dirac throws these away ... So far as I know, Phipps was the first one to point out this obvious asymmetry between classical and quantum mechanics in such a way that the major problem of "measurement theory" dissolves ...

The third (mathematical) part of the book ... introduces hypercomplex function theory, which badly needs to be developed further—both physicists and engineers should agree enthusiastically. Phipps' treatment of discrete, infinite processes is eminently practical and well worth studying. His covering law approach to entropy and inference is again sound ...

This book ... is the life work of a very talented, dedicated, and profound scholar and physicist ... The audience he addresses ... are those "amateurs" and "dilettantes" concerned with the foundations of physics and mathematics who have not been blinkered or blinded by a narrow professional education, — in fact the modern counterpart of the audience Galileo addressed at the start of the scientific revolution ... My own hope is that this work will also be read by "professionals" who sincerely profess that they are open to new ideas ...

*H. Pierre Noyes
Professor of Physics, Stanford University
Former Chief Theoretician, SLAC*

Editorial continued from p.5

attacked one of the most important discoveries in the history of science. Let them wallow in their "fame."

And now about investments that are every bit as philanthropic as the above—for the socially conscious person who really wants to make lots of money and "do well by doing good." At the end of 1997, a quiet but very important milestone was reached—the formation and first formal closing of New Energy Partners, Limited Partnership (see press release on page 10).

A little over a year ago, in Issue #9 of this magazine, in this editorial column, I advocated the creation of an investment fund, "SuperPower, Inc." Our company, Cold Fusion Technology, Inc. intended to help launch such a fund. We have now been successful. Although the name may have changed (Dan Cavicchio thought Super Power, Inc. was a bit too grandiose), the concept is the same. *New Energy Partners* should accomplish most of the goals that I advocated for SuperPower, Inc.

Over the past year, Jed Rothwell, Dan Cavicchio, and I have examined many of the new technologies that we believe are part of the New Energy Revolution. What we found were a growing number of companies that had demonstrable products that were producing very high over unity effects consistently. These companies were and are rich with technology. What was missing was a capital fund to support and grow these companies, as well as to provide professional management direction. *New Energy Partners* will provide both.

We at *Infinite Energy Magazine* have done our best to promote the companies and technologies in this new field, and we will continue to do so in the future—no matter what additional philanthropic resources may come our way. However, words and publications can only do so much. We can not get around the old adage, "money talks." With *New Energy Partners*, the field now has a strong vehicle to move forward.

New Energy Partners is still looking for investors as it continues its due diligence into promising companies. Fortunately, they have attracted the investment interest of a number of well-financed institutions.

For a limited time, they are also accepting subscriptions from individuals for less than the minimum \$250,000. We encourage all potential investors who meet the criteria of "accredited investors," to contact Dan Cavicchio for further information. We at *Infinite Energy Magazine* are totally behind this concept as one very important way of supporting the field of new energy technologies, and we will be working closely with NEP by recommending promising companies and referring potential investors.

This investing will be philanthropy of the highest order—enlightened self-interest that will ultimately save lives and make you feel as warm in your *soul* as though you yourself had ignited the clean "burning," free-fuel new energy reactors to boil the water that saves many children in remote villages. Bless you all for your thoughts and best wishes.

