

ER-16  
RGajewski  
6/ /89

ER-10  
DKStevens  
6/ /89

ER-61  
DMayhew  
6/ /89

ER-60  
IAdler  
6/ /89

CP-30

6/ /89

The Honorable Robert S. Walker  
Ranking Minority Member  
Committee on Science, Space,  
and Technology  
House of Representatives  
Washington, D.C. 20515

JUL 11 1989

Dear Congressman Walker:

This is in response to your letter of June 6, 1989, to Admiral Watkins,  
Secretary of Energy, regarding correspondence that you received from  
Mr. John Kizer.

Enclosed is a copy of my response to Congressman McEwen regarding  
Mr. Kizer's letter.

If we can be of further assistance, please do not hesitate to ask.

Sincerely,

Original Signed by  
Walter M. Polansky

Ryszard Gajewski, Director  
Division of Advanced Energy Projects  
Office of Basic Energy Sciences, ER-16

Enclosure

cc:  
The Honorable Robert A. Roe  
Chairman, Committee on Science,  
Space, and Technology  
House of Representatives  
Washington, D.C. 20515

bcc:  
ES/4, CP-30, ER-60, ER-61, ER-16 (Gtn), ER-622 (Forstl)  
ER-16:SADerflinger;3-5995:6-19-89:c:Gajewski:Walker  
ES# 89-008323 ER# 89-246

Retyped:sad:6-22-89 (per Nawrot/ER-60)

ER-16 *RG*  
RGajewski  
6/20/89

ER-10  
DStevens  
6/21/89

Mr. Robert S. Walker  
Republican Vice Chairman  
Committee on Science, Space,  
and Technology  
Suite 2321, Rayburn HOB  
Washington, D.C. 20515

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ES# 89-008323 ER# 89-246

ER-61  
DStevens  
6/22/89

ER-60  
DStevens  
6/27/89

CP-30

6/ /89

ES  
DEPT OF ENERGY  
JUN 23 11 53 AM '89



Department of Energy  
Washington, DC 20545

June 13, 1989

The Honorable Bob McEwen  
U.S. House of Representatives  
Washington, DC 20515

Dear Congressman McEwen:

Your letter of May 4, 1989, to the Department of Energy (DOE) that relayed correspondence from Mr. John Kizer on the subjects of "cold" fusion and on inertial confinement fusion pellet design has been referred to me for reply.

The Division of Advanced Energy Projects is the appropriate entity within the Department of Energy for handling matters related to "cold" fusion. I appreciate Mr. Kizer's bringing to our attention two references to earlier work involving the release of "excess" heat.

The DOE's inertial fusion program is managed by the Division of Inertial Fusion. Mr. Kizer may wish to discuss his pellet design with Dr. Sheldon Kahalas, the Director of that division, who can be reached at 301/353-3345.

Please let me know if I can be of further assistance.

Sincerely,

Original signed by:  
Ryszard Gajewski

Ryszard Gajewski, Director  
Division of Advanced Energy Projects  
Office of Basic Energy Sciences, ER-16

cc:  
Sheldon Kahalas, DP-243

ER-16  
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DKStevens  
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Office of Basic Energy Sciences, ER-16

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The Honorable Robert A. Roe  
Chairman, Committee on Science,  
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House of Representatives  
Washington, D.C. 20515

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ES# 89-008323 ER# 89-246

Retyped:sad:6-22-89 (per Nawrot/ER-60)

CP-30  
Schell  
6/27/89

CP-41  
6-28



Department of Energy  
Washington, DC 20545

June 29, 1989

The Honorable Robert S. Walker  
Ranking Minority Member  
Committee on Science, Space,  
and Technology  
House of Representatives  
Washington, D.C. 20515

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*W. H. M. Palenchy*  
for Ryszard Gajewski, Director  
Division of Advanced Energy Projects  
Office of Basic Energy Sciences, ER-16

Enclosure

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The Honorable Robert A. Roe  
Chairman, Committee on Science,  
Space, and Technology  
House of Representatives  
Washington, D.C. 20515



Department of Energy  
Washington, DC 20545

June 13, 1989

The Honorable Bob McEwen  
U.S. House of Representatives  
Washington, DC 20515

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Please let me know if I can be of further assistance.

Sincerely,

Original signed by:  
Ryszard Gajewski

Ryszard Gajewski, Director  
Division of Advanced Energy Projects  
Office of Basic Energy Sciences, ER-16

cc:  
Sheldon Kahalas, DP-243

U.S. DEPARTMENT OF ENERGY  
OFFICE OF THE EXECUTIVE SECRETARY  
DOCUMENT TRANSMITTAL FORM

*6/29/89*

CONTROL NO. ES 89-008323		ACTS NO.		DATE SENT 06/27/89		DATE DUE 06/29/89	
TYPE OF DOCUMENT/ADDRESSEE Letter to Rep Robert S. Walker for signature of ER FROM MA/1.224				SUBJECT Cold Fusion: Kizer Pellet Design			
TO		ACTION COPY TO	INFO COPY TO	TO		ACTION COPY TO	INFO COPY TO
THE SECRETARY (S)				POLICY AND EVALUATION (PE)			
DEPUTY SECRETARY (DS)				INTERNATIONAL AFFAIRS (IA)			
UNDER SECRETARY (US)				CONSERVATION & SOLAR ENERGY (CS)			
CHIEF FINANCIAL OFFICER (CF)				NUCLEAR ENERGY (NE)			
THE SPECIAL ASSISTANT (SA)				FOSSIL ENERGY (FE)			
THE EXECUTIVE ASSISTANT (EA)				DEFENSE PROGRAMS (DP)			
DIR., OFFICE OF THE SECRETARY (DOSE)				ENVIRONMENT (EV)			
PUBLIC AFFAIRS (PA)				RESOURCE APPLICATIONS (RA)			
LEGISLATIVE AFFAIRS (LA)				ENERGY RESEARCH (ER)			
INTERGOVERNMENTAL AFFAIRS (IR)				INSPECTOR GENERAL (IG)			
CONSUMER AFFAIRS (CA)				ADMINISTRATION (AD)			
GENERAL COUNSEL (GC)				CONTROLLER (CR)			
ENERGY INFORMATION ADMINISTRATION (EI)				PROCUREMENT & CONTRACTS MGMT. (PR)			
ECONOMIC REGULATORY ADMIN. (RG)				EQUAL EMPLOYMENT OPPORTUNITY (EO)			
SPECIAL COUNSEL (SC)				MINORITY ECONOMIC IMPACT (MI)			
HEARINGS AND APPEALS (HG)				BOARD OF CONTRACT APPEALS (CB)			
CP/30			<input checked="" type="checkbox"/>				
ACTION REQUIRED (ES USE ONLY)				STAFF ACTION SUMMARY			
SIGNATURE				OFFICE	NAME/INITIALS	DATE	
APPROVAL				1	CP33	Johwell	6/27
INFORMATION				2			
<input checked="" type="checkbox"/> CONCURRENCE				3			
COMMENTS AND/OR RECOMMENDATIONS				4	CP-40	<del>_____</del>	6/28
OTHER (SEE REMARKS)				5			
REMARKS: Please forward your signed concurrence to ES by the requested due date.				6			
				7			
				8			
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				10			
				REMARKS:			
ES CONTACT <i>Dana Marten</i> Travis Hulsey, 586-5075							

U.S. DEPARTMENT OF ENERGY  
OFFICE OF THE EXECUTIVE SECRETARY  
**DOCUMENT TRANSMITTAL FORM**

CONTROL NO. ES-99-008323		ACTS NO.		DATE SENT 06/29/89		DATE DUE	
TYPE OF DOCUMENT/ADDRESSEE Letter to Rep. Robert S. Walker for ER signature				SUBJECT Cold fusion			
FROM MA-1.224							
TO		ACTION COPY TO	INFO COPY TO	TO		ACTION COPY TO	INFO COPY TO
THE SECRETARY (S)				POLICY AND EVALUATION (PE)			
DEPUTY SECRETARY (DS)				INTERNATIONAL AFFAIRS (IA)			
UNDER SECRETARY (US)				CONSERVATION & SOLAR ENERGY (CS)			
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THE EXECUTIVE ASSISTANT (EA)				DEFENSE PROGRAMS (DP)			
DIR., OFFICE OF THE SECRETARY (DOSE)				ENVIRONMENT (EV)			
PUBLIC AFFAIRS (PA)				RESOURCE APPLICATIONS (RA)			
LEGISLATIVE AFFAIRS (LA)				ENERGY RESEARCH (ER)		X	
INTERGOVERNMENTAL AFFAIRS (IR)				INSPECTOR GENERAL (IG)			
CONSUMER AFFAIRS (CA)				ADMINISTRATION (AD)			
GENERAL COUNSEL (GC)				CONTROLLER (CR)			
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HEARINGS AND APPEALS (HG)				BOARD OF CONTRACT APPEALS (CB)			
CP/30			X				
ACTION REQUIRED (ES USE ONLY)				STAFF ACTION SUMMARY			
SIGNATURE				OFFICE	NAME/INITIALS	DATE	
APPROVAL				1			
X	INFORMATION			2			
	CONCURRENCE			3			
	COMMENTS AND/OR RECOMMENDATIONS			4			
	OTHER (SEE REMARKS)			5			
REMARKS:				6			
The attached letter dated June 29, 1989, was signed by Ryszard Gajewski and dispatched in the Office of the Executive Secretariat on June 29, 1989.				7			
Copies have been provided for your information and files.				8			
Copies have been provided to each concurree.				9			
				10			
REMARKS:							
ES CONTACT: Travis Hulsey, 586-5075							



U.S. DEPARTMENT OF ENERGY  
CORRESPONDENCE CONTROL FORM  
OFFICE OF THE EXECUTIVE SECRETARIAT

ACTIVITY CHANGE Do NOT DETACH FROM ORIGINAL CORRESPONDENCE  
SOURCE CODE CR CONSTITUENT REFERRAL

14:08

SPEC INT:

CONTROL NO ES89-008323

DATE CORR: 06/06/89

DATE RECD: 06/09/89

DATE CNTRL: 06/09/89

DATE DUE: 06/23/89

TER:  MEMO:  TWX:

OTHER:

TO: SECY:

DEP SEC:

UN SEC:

OTHER:

WALKER, ROBERT S REP PA O  
COMMITTEE ON SCIENCE, SPACE,  
AND TECHNOLOGY  
MCEWEN, BOB REP OH C  
KIZER, JOHN OH C

SUBJ: NUCLEAR

FUSION

COLD FUSION: KIZER PELLET  
DESIGN

REMARKS: FINAL RESPONSE OR INTERIM  
ACKNOWLEDGMENT MUST REACH  
THE EXECUTIVE SECRETARIAT  
BY THE DUE DATE.  
RESPOND TO CONGRESSMAN'S  
MCEWEN'S OFFICE.

FOR USE BY ACTION OFFICE ONLY

ACTION REFERRED TO	DATE	RETURN TO	DUE DATE
1			
2			
3			

ACTION TO: ER

TYPE ACTION: Coordinate and reply direct SIG OF: ER

CONCURRENCE: CP30

INFORMATIONS DS US DS/BROWN CP1 MA1.22 DD4

FILE CODE: CRWALKER-ES89008323

CONTROL ANALYST: B. ATCHERSON...5075

**ALL DOCUMENTS FOR THE OFFICE OF THE SECRETARY  
MUST BE FORWARDED TO THE OFFICE OF THE EXECUTIVE SECRETARIAT FOR FINAL PROCESSING**

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U.S. HOUSE OF REPRESENTATIVES  
COMMITTEE ON SCIENCE, SPACE,  
AND TECHNOLOGY

SUITE 2321 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-6371

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General Counsel  
DAVID D. CLEMENT  
Republican Staff Director

June 6, 1989

Hon. James D. Watkins  
Secretary  
Department of Energy  
1000 Independence Avenue, SW  
Washington, DC 20585

Dear Mr. Secretary:

I am forwarding the enclosed correspondence from Mr. John Kizer for your review.

To help expedite Congressman McEwen's request, please have the Department forward their response directly to the Congressman's office.

I sincerely appreciate your attention to this matter. Keep up the good work.

Sincerely,

  
ROBERT S. WALKER  
Republican Vice Chairman

RS/Rgd

Enclosure

## JOHN KIZER

3500 Orchard Drive - Portsmouth, Ohio 45662  
Phone (614) 354-6257

April 30, 1989

The Honorable Bob McEwen  
U.S. House of Representatives  
Washington, D.C.

Re: Cold fusion;  
Kizer pellet design

Sir:

I have been involved in private nuclear fusion research for approximately six years, and I have some information which is critically related to the cold fusion experiments of Pons and Fleischmann at Utah, about which there were hearings last week before a House committee. Because cold fusion is a totally new idea, I have been unable to find to whom this information should be sent, as there is no established cold fusion bureaucracy. Thus, I am contacting you so that you might be able to forward it to the appropriate people within the Department of Energy and the House of Representatives.

Specifically, in 1947, Lord Rayleigh published in The Proceedings of the Royal Society a report of an experiment in which he dissociated hydrogen into atoms in the presence of platinum. He found enormous thermal energies released far greater than could be explained by the heat of recombination of hydrogen. Rayleigh did not know the source of this energy. In 1957, Burgess and Robb in the Transactions of the Faraday Society 53 showed that traces of oxygen (.22 to .94 mm.) with hydrogen atoms will cause a rise in temperature on a metal wire many times exceeding the heat of recombination of H atoms on the wire.

These experiments are strikingly similar to the electrochemical experiments of Pons and Fleischmann and mean either that there is a chemical explanation for their results (although, perhaps, a useful reaction is there) or else that Rayleigh and Burgess and Robb were observing fusion 32 and 42 years ago. In either case, the conditions under which a similar energy release is observed in a non-electrochemical situation should be of immediate interest. This is only a summary. Anyone who is desirous of more information should feel free to call me.

More importantly, I have myself developed a new pellet design which, in my opinion, would permit ignition using currently available implosion devices at the national laboratories. I actually developed this in early 1984 but I have been reluctant to approach government agencies (I did SDI, but they did not even respond to my letter) because of the NIH ("not-invented-here") syndrome. There is a natural and understandable reluctance by researchers directly involved with a problem to believe that someone they do not know could come up with a better idea than the ones they have. It is not the normal course. I did, however, have a true idea, that is, a new understanding of the physics of the situation which

led me to a better pellet design for inertial confinement fusion.

As you may know, a workable pellet design for controlled fusion will also have implications for fusion bomb technology, so I have eschewed the urgings of some to contact foreign governments or corporations. (Specifically, a workable design for a controlled fusion pellet will also make it possible to detonate a fusion bomb without a fission trigger, eliminating many of the engineering limitations on nuclear proliferation). I had felt that it would be somewhat futile even to approach the government about testing my pellet design because I am a "nobody" in the fusion community but, though my idea is somewhat radical, it is about 1/100,000 th as radical as cold fusion a la Pons and Fleischmann. By comparison I am in the mainline of fusion research. If my pellet design would receive a testing and would work, it would justify the billions that have been spent on the main line of fusion research (particularly inertial confinement fusion) so I am hoping that you will be able to help me in finding an open-minded individual within the DOE or DOD who will at least give my idea a fair hearing. I thank you for any help that you can give me.

Though I am unknown in the fusion community, I am not an ignoramus. I represented Ohio State on the General Electric Bowl television program. I won an NSF and two other fellowships in graduate school and I have won several small physics awards in competition with well-known people (one of which, coincidentally, was judged at the University of Utah). The Foundation for Economic Education (publisher of The Freeman and many other things) wrote in 1974 that I had "added a new dimension to studies of the energy crisis." In all, I have had approximately one hundred publications.

I hope the information related to "cold fusion" is of benefit, and I hope that we can work together to further what I believe is my solution to the problem of controlled fusion.

Very truly yours,

*John Kizer*  
John Kizer

Jk:sk

*Call  
Nick*