

JUN 22 1989

The Honorable Marge Roukema
Member, United States House of
Representatives
555 Route 17 South
Ridgewood, NJ 07450

ER-16

**

RGajewski
6/ /89

Dear Congresswoman Roukema:

This is in response to Mr. Frank Covelli's letter to Assistant Secretary C. Anson Franklin, transmitting correspondence from your constituent, Mr. Francisco Pacheco of Hewitt, New Jersey.

ER-10

**

DStevens
6/ /89

Before any significant funding decisions are made with regard to the recently publicized claims on "cold fusion," that concept needs to be verified and evaluated. Toward that end, Admiral Watkins, Secretary of Energy, has requested that a specially formed Cold Fusion Panel of the Energy Research Advisory Board assess this area of research and, in particular, "identify what R&D direction the DOE should pursue to fully understand these phenomena and develop the information that could lead to their practical application." The final report of the Panel is due November 15, 1989, at which time decisions will be taken as to any further course of action.

ER-61

DMayhew
6/ /89

As for Mr. Pacheco's invention, he has already selected a proper course of action in submitting it for evaluation to the Office of Energy-Related Inventions. If the outcome of the evaluation was unfavorable because of the submitted material not being well organized, Mr. Pacheco might wish to consider a resubmission to the same office of a revised, and perhaps improved, version of the original disclosure so that the invention could be evaluated on its technical merits. Assistance from someone experienced in preparing technical presentations could prove very helpful in that respect.

ER-60

IMAdler
6/ /89

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

CP-30

6/ /89

Sincerely,

15/

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

cc:

The Honorable Marge Roukema
House of Representatives
Washington, D.C. 20515

bcc: ES/4, CP-30, ER-60, ER-61 (Gtn), ER-16, ER-622 (Forstl)

PREPARED BY: RGajewski/lh/ER-16:3-5995:6/9/89

**Previous Concurrence Valid

ES# 89-007948

ER# 89-231

Corrected (per ES):sad:3-5995:6-19-89:c:Gajewski:Roukema

ER-16

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Gajewski
06/09/89

ER-10

**

Stevens
06/ /89

The Honorable Marge Roukema
555 Route 17 South
Ridgewood, NJ 07450

ER-61/60

Mayhew/Adler
06/ /89

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CP-30

06/ /89

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Sincerely,

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

CP-30
Zachwey
6/15

cc:

The Honorable Marge Roukema
U.S. House of Representatives
Washington, D.C. 20515

bcc: DS MA-1.22
US 20/4
OS/Brown ER-10
CP-1 ER-60
ER-61

ES Ref#89-007948; ER Ref#89-231

PREPARED BY: RGajewski/lh:ER-16:3-5995:6/9/89

**PREVIOUS CONCURRENCE VALID



Department of Energy
Washington, DC 20545

June 22, 1989

The Honorable Marge Roukema
Member, United States House of
Representatives
555 Route 17 South
Ridgewood, NJ 07450

Dear Congresswoman Roukema:

This is in response to Mr. Frank Covelli's letter to Assistant Secretary C. Anson Franklin, transmitting correspondence from your constituent, Mr. Francisco Pacheco of Hewitt, New Jersey.

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

Sincerely,

A handwritten signature in cursive script that reads "Ryszard Gajewski".


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

cc:
The Honorable Marge Roukema
House of Representatives
Washington, D.C. 20515

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

6/16/89

1575

CONTROL NO. ES- 89-007948		ACTS NO.		DATE SENT 6/13/89	DATE DUE 6/15/89
TYPE OF DOCUMENT/ADDRESSEE Response to Hon. Marge Roukema signed by				SUBJECT Cold Fusion	
FROM ER/Gajewski					
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		X			
ACTION REQUIRED (ES USE ONLY)			STAFF ACTION SUMMARY		
SIGNATURE			OFFICE	NAME/INITIALS	DATE
APPROVAL			1		
INFORMATION			2		
X CONCURRENCE "At Coordination Tab"			3	CP 33	Johwell 6/15
COMMENTS AND/OR RECOMMENDATIONS			4		
OTHER (SEE REMARKS)			5	CP-40	[Signature] 6/15
REMARKS:			6	see possible typo	[Signature]
			7		
			8		
			9		
			10		
Please return your signed concurrence/nonconcurrence to MA/1.224 by the due date listed above. Thank you.			REMARKS:		
 ES CONTACT: Travis Hulsey, Desk IV 65075					

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

ACTIVITY ADD: DO NOT DETACH FROM ORIGINAL CORRESPONDENCE 13:59

SOURCE CODE CR CONSTITUENT REFERRAL
 SPEC INT: _____ CONTROL NO: ES89-007948
 DATE CORR: 05/22/89 DATE RECD: 06/01/89 DATE CNTRL: 06/01/89 DATE DUE: 06/22/89
 LETTER: MEMO: TWX: OTHER: TO: SECY: DEP SEC: UN SEC: OTHER: CP

AROUKEMA, MARGE REP NJ O
 PACHECO, FRANCISCO NJ C

REMARKS: FINAL RESPONSE OR INTERIM
 ACKNOWLEDGMENT MUST REACH
 THE EXECUTIVE SECRETARIAT
 BY THE DUE DATE. RESPOND
 TO RIDGWOOD DISTRICT
 OFFICE.

SUBJ: NUCLEAR
 FUSION
 REQUESTS A DETAILED REPORT OF
 DOE'S POSITION AND ACTION IN
 COLD FUSION

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: _____

CONCURRENCE: CP/30
 INFORMATION: DS US OS/BROWN CP/1 MA/1.22 DO/4
 FILE CODE: CRROUKEMA-ES89007948 CONTROL ANALYST: TRAVIS HULSEY .5075

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

830230



MARGE ROUKEMA
8TH DISTRICT, NEW JERSEY

COMMITTEES
BANKING, FINANCE AND
URBAN AFFAIRS
EDUCATION AND LABOR
SELECT COMMITTEE ON HUNGER



WASHINGTON OFFICE
303 CANNON HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-4485

NEW JERSEY OFFICES
855 ROUTE 17 SOUTH
RIDGEWOOD, NJ 07480
(201) 447-3900

88 TRINITY STREET
NEWTON, NJ 07860
(201) 578-3039

Congress of the United States
House of Representatives
Washington, DC 20515
May 22, 1989

Mr. C. Anson Franklin
Assistant Secretary
for Congressional Affairs
U.S. Dept. of Energy
1000 Independence Avenue, SW
Washington, D.C. 20585

Dear Mr. Franklin:

We are writing to you on behalf of our constituent, Mr. Francisco Pacheco of Hewitt, New Jersey.

Mr. Pacheco recently wrote to Congresswoman Roukema regarding his concern with cold fusion. He believes that the recent developments in this area warrant additional attention focused on converting this breakthrough into usable technologies.

We would appreciate a detailed report of the Department's position and action in this area. I have enclosed a copy of Mr. Pacheco's correspondence for your review. Should you require additional information, please feel free to contact us in the Ridgewood District Office of Congresswoman Marge Roukema.

Thank you for your time and attention to this request. We look forward to your timely reply.

Sincerely,

Frank Covelli
Project Coordinator

FC:fmc
encl.

33700
MAY 1 1989
Francisco Pacheco
P.O.Box 169 Hewitt
New Jersey 07421.
Apr 28 1989

Hon. Congresswoman.
Marge Roukema
555 U.S.Hway. # 17.
Ridgewood New Jersey 07450.

Dear Congresswoman:

In view of the near hysteria, "Cold Fusion is causing" please find enclosed copy of letters and short summary of my work.

Hoping the material is enough as a preliminary introduction. I will greatly appreciate your attention, and consider as a invaluable favor, your help and advice.

If necessary as I think, more information; I am ready at your disposal to be impartially interviewed by whom ever you design and at your convenience.

Sincerely.

Francisco Pacheco
Francisco Pacheco

New Energy Times Archive

MAY 1 1989

Francisco Pacheco
P.O.Box 169 Hewitt
New Jersey 07421.
April 28 1989.

Hon. Congressman Robert Roe,
Chairman. House Committee on
Science Space and Technology.
2321 Rayburn House Office Bldng.
Washington D.C. 20515

Dear Mr Chairman:

After mailing my letter (copy enclosed). I learned about, Pons
and Fleischman hearing. "New York Post" Apr.27.

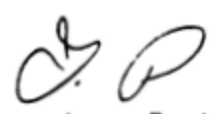
Mr. Chairman, respectfully, I wonder if the memory of a real
demonstration on your Paterson Office crossed your mind.

Admitting with reservations, the dream of perpetual Motion as
result of their process, I have a question: Why a detailed
analysis (denied to me) at a federal laboratory is necessary
to prove their claim?. One more experiment (20th.), along the
lines suggested on the second point of my letter to The Senate
and perhaps performed on a desk top, as I did in yours, would
be sufficient to demonstrate the point.

The success of the experiment would greatly enhance my system,
in fact becoming its complement.

In fairness I would very much appreciate your help.

Sincerely:



Francisco Pacheco.

New Energy Films Archive

Francisco Pacheco
P.O.Box 169 Hevitt
New Jersey 07421
Apr. 26 1989.

Committee of Energy and Natural Resources
Chairman
Hon. Senator J. Bennett Johnston
The Senate. Washington D.C. 20510.

Dear Mr. Chairman:

Being the lack of academic degree one of the reasons, if not the main one, for my profound reverence to Science and Scientific knowledge. I want to express my deep surprise and bewilderment, in presence of the incredible scientific community obfuscation. Skeptically or otherwise, it embroils itself in useless polemic and endless argument with regard to the alleged "COLD, NUCLEAR FUSION" merits. The whole question ought to be resolved quickly in two very simple logical steps.

ONE

As claimed by Pons and Fleischman, the experiment is tantamount to: - THE DEMISE OF THERMODYNAMIC LAWS AND THE ADVENT OF THE PERPETUAL MOTION ECONOMY. - If that is the case, "WHO CARES" if there is Fusion, or if is cold or tepid, warm or hot?. There is plenty of time for the scientists to find the answer. Still we are arguing if the egg was first. We benefit from it and from the chicken.

TWO

Scientists all over the world; going back to point ONE, "WHO CARES"; are engaged in an exercise in futility. I propose: IF there is excess output of energy in the Pons-Fleischman system, surely it is not in watts, maybe in BTU's. Convert that excess BTU's to Watts (ought to be easy for them). Use some of those Watts to feed back the system and get rid of the battery. Very simple. "IF" the system keeps working, "THE PERPETUAL MOTION ECONOMY" is at hand and we will live happily ever after

I am enclosing released letters with a short summary of my work.

Mr. Chairman, I respectfully solicit, to employ your influence with the appropriate agency, in order to get for my patented and demonstrated system, a thorough impartial evaluation and debate of its merits.

At your service,

Sincerely:



Francisco Pacheco.

Rbc.W - FRANCISCO PACHECO - INDEPENDENT INVENTOR.-
1978-1979 HALL OF FAME AWARDS-INVENTORS CLUB OF AMERICA.
AWARD OF MERIT-PLAQUE & MEDAL-INT'L INVENTORS EXPO "78" NEW YORK

CLAIMS: Covered on Patents granted. UNITED STATES OF AMERICA.

THE INVENTION: Teaches the way to use intense electric energy locked in the manufacture of Magnesium and Aluminum; so when it is released, will act and work; as the most efficient, light, safe and economical electric storage system, for THE:

RENEWABLE ENERGY COGENERATOR. Basically: When the patented generator is activated, combined Magnesium-Aluminum, (\$1.40 & \$0.90 lb), as sacrificial elements electrode, is made to release its electric energy and by the action of what in the patents is called, self electrolysis; Sea water (\$0.00), natural source of LIQUID HYDROGEN as electrolyte, yields in turn, on situ and on demand, about 163 cu. ft. of electrolytic hydrogen gas (99.98 % pure) per gallon. Also, the system generates surplus electric, and thermal energy.

TO BE EXACT: ONE (1) pound combined weight Mg.-Al. (22 Kwh. to produce virgin metal) will cogenerate: 31.5 cu.ft.H₂, - 1.2 KW. surplus electric, and 7,350 Btu's thermal energy. Efficiency: from about 30% virgin metal to 93% (Mg-Al) Recycled. No perpetual motion claimed, no cold fusion. Come to think of it, way not?, Is there some one to prove the contrary?. Make my day. After all from the electrolytic H₂ production, Canada obtains Heavy water as Byproduct.

Demonstrations and witnesses of the system at work:
Ann Harbor, Detroit News. - Paterson's office, for Congressman Robert Roe. - Point Pleasant. Four hours of-shore closed circuit run. Pilot Carmen Girone, 23 ft. boat, 70 HP on board motor (First in world). M. Ebert Patent Attorney, Pat Clark Daily News Ann Genader "Paterson News" article, and public at large. - Expo "78" Five days system demonstration. - West Milford New Jersey, One family House energized, for the State energy commissioner Jacobson and his Staff. - 60 Minutes, taped for Dan Rather, THE Inventions expert, who misrepresenting facts showed it as a non working invention.

Requested evaluation to Department of Transportation DOE, denied by its Director. Mr. Chiochioji's arrogant and derogatory letter.

Submitted for evaluation, to Office of Energy related Inventions DOE, expressly stating no request for funds was or will be made. Offering instead the Invention for the benefit to America, as a tribute to freedom and perhaps as an instrument of Peace, was rejected by staff member Mr Dunlop, REASON: Material submitted, not well organized. Well FP is only a Rbc.W.

Double standards?.


Francisco Pacheco

Ph.D STANLEY PONS AND Ph.D MARTIN FLEISCHMAN -
MULTI-UNIVERSITY GRADUATES.

CHEMISTRY PROFESSORS AT UTAH AND BRIGHAM YOUNG.

P & F CLAIM:

INPUT: ONE (1) Watt, feed to: Palladium \$140.00 oz and platinum \$400.00 oz, in Heavy Water \$0.21/gr. - OUTPUT: FIVE Watts? No way. Maybe 17 Btu's Thermal energy.

As consequence of P&F's claim: The barrier of THERMODYNAMIC LAWS is broken. But, just in case. Quoted (World Magazine Apr 8) - "Pons said it was a "joke" and Fleischman called it "too stupid" to be taken seriously" end of quote.

From the same source "The inventors of this fuel cell have spent the last five years testing this one device to make certain their energy output is really the result of Fusion reaction taken place-and they're still not 100% sure". Looks like also the scientific community as a whole, is nagged by the same to them, profound question.

The "HOW" is very simple. I will use part of the alleged excess of thermal energy (Btu's), convert it into electric (watts), and feed back with it the Palladium-Platinum and thus, get rid of the car battery.

IF the system keeps producing at least a balance of the original output. Perpetual motion will be a fact, and the Thermodynamic laws a thing of the past. For that I would not need five years more, nor the "few million dollars grant, P & F are seeking from DOE, to burn in scaling up their experiment". (quoted: World Mgz Apr 8).

Is DOE ready to fund Cold Fusion?. Of course. P & F are Ph.D. No evaluation necessary.

J.P.

JOHN PFANSTIEHL

Peter Jeffries, Producer
NBC Magazine
4200 Wisconsin Ave., NW
Washington, DC 20016

August 6, 1981
National Vice President and Connecticut Chapter President, Inventors Club of America

Subject: Program on U.S. Patents rebroadcast July 30, 1981

Dear Mr. Jeffries:

The ICA congratulates you on the quality of investigative reporting and the production of this program. NBC MAGAZINE has shown that exploration of a serious, yet subtle, national problem can be interesting without sacrificing media integrity. You certainly can be proud of your work on its own merits, but it might be of interest also to compare it with 60 MINUTES treatment of this subject.


For those who watched the 60 MINUTES program, some of the shabbiness of their investigative reporting was obvious. For example, to find an accurate assessment of the utilization of independent inventors by American business they interviewed Bell Labs. This is the world's largest high technology lab doing state-of-the-art research on hundred million dollar communication systems. Even a novice reporter would realize that of all the U.S. companies, Bell labs might be the least likely to have a history of paying independents. Yet this is what they chose to show.

In addition, there were things you and other viewers would not be aware of. An example is the deliberate misrepresentation of fact for an easy laugh. I was present at the filming of Francisco Pacheco's Hydrogen Generator in New Jersey. The invention was working as it should, producing hydrogen gas which he displayed through several means: producing an open flame; cutting through metal with a torch; and, lastly, fueling a lawn mower type engine, as has been done for decades. Unfortunately, he had just bought a new motor to give 60 MINUTES a nicer visual show, and the motor wouldn't start. The producer, Beth Flanders, knew that the invention was working and she had taped several displays proving that the generator was working. Yet the tape of the back-firing motor was selected so that Dan Rather could point it out as another example of an independent inventor's non-working invention. Thank you for your integrity in reporting.

You and the others involved in NBC's program have a right to be proud of your work. You have helped the public perceive and understand a problem that fundamentally affects our country's future economic strength, while personally maintaining high standards in journalism.

cc:
Dan Rather, Beth Flanders, 60 MINUTES
Deborah Jane Lambertson, Producer, NPR

Sincerely yours,



John Pfanstiehl

MONDAY
FEBRUARY 4, 1974



IT REALLY WORKS — Frank Pacheco of Upper Greenwood Lake shows Congressman Robert A. Roe his patented hydrogen gas fuel cell, which he invented 30 years ago in Bolivia. Pacheco says that rigid laboratory tests prove that it works without causing pollution. From left are Congressman Roe, Pacheco and Carmen Gilman of Brick Township. Navy Photo

Pollution Free Fuel Cell Displayed

By MARY HINKLE

PATERSON — A pollution-free hydrogen fuel cell invented more than 30 years ago in Bolivia by Frank Pacheco of Upper Greenwood Lake was demonstrated Saturday for Congressman Robert A. Roe in his office in the Paterson Post Office.

The patented cell which has been getting a skeptical brush-
one off from "scientific" ex-

perimentalists like Leonard Hess and recently to Leonard Solomon, senior management analyst of American Cyanamid, Wayne.

Pacheco claims that his discovery holds the key to solving the fuel energy crisis and menace of air pollution. The Pacheco fuel cell, makes hydrogen gas on demand from thin plates of magnesium and sea water, and an electrode of steel or carbon that is connected by a wire to form a

mixed hydrogen and air ignited the alternator and it ran for several minutes.

The chemical reaction also produced enough of a supply to keep two electric light bulbs and a Bunsen burner alight for several hours.

Pacheco said "no pollution is given from the cell because the hydrogen when burned to produce power turns to pure steam." Pacheco also said a storage problem can be solved