

LENR Research Documentation Initiative

What Have We Learned So Far?

***15th International Workshop on Anomalies in
Hydrogen Loaded Metals and CleanHME
General Assembly***

Assisi, Italy, September 28, 2022

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LENRGY, LLC

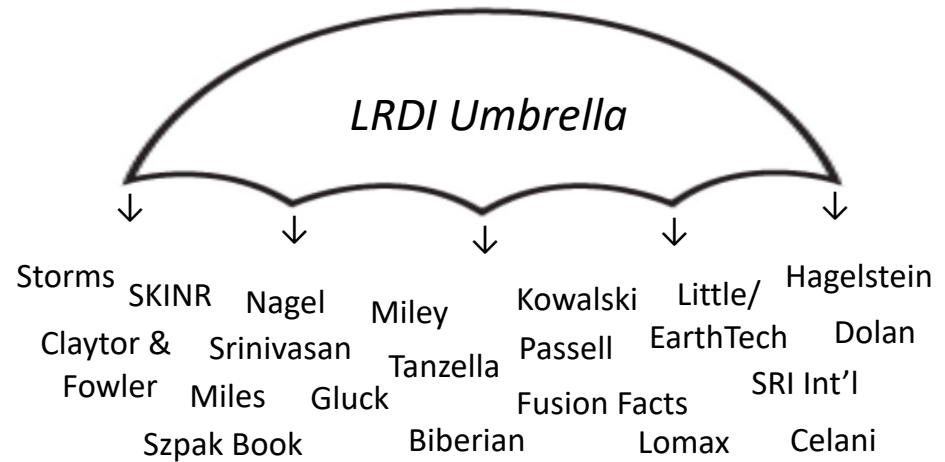
Austin, Texas



What Is the....

LENR Research Documentation Initiative?

- Objectives
 - Capture records while still available
 - Preserve for possible reanalysis
 - Honor the LENR “heroes”



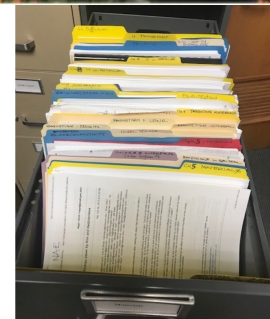
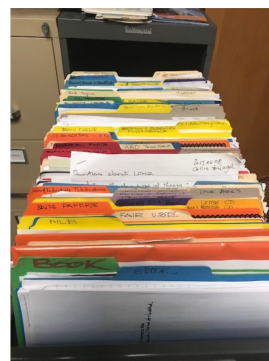
- Status
 - 31 Participants
 - 20 Projects
 - 22 Reports

20 LRDI Projects

What Have We Learned About....

- LRDI Projects
- Participants
- Records
- Preservation & Archiving
- Interviews
- Status of the LENR Field
- Future Opportunities

*Participant:
George Miley*



*Records:
Dave Nagel*

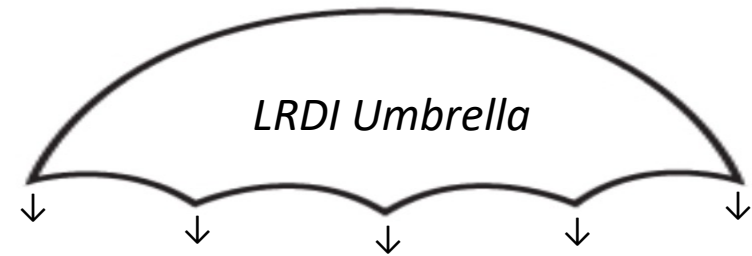
*Archive: Storms at
Marriott Library*



What Have We Learned About....

LRDI Projects?

- LRDI Umbrella for Projects
- Systematic Procedure
- Confidential with Participants
- Site Visits Are Essential
- Hands-on Record Collection
- Interviews Best Conducted in Person: Phone Recording Also Available
- Document Records with Memos Leading to Project Report
- “Live” & “Legacy” Projects
 - Actively with Participant
 - Participant Not Available



LRDI Procedure

What Have We Learned About....

Participants?

As Researchers...

Competent	Conscientious
Creative	Experienced
Dedicated	Fractious
Driven	Varied
Secretive (sometimes...)	Open-Minded (mostly...)

As People...

Professional	Articulate
Honest	Original
Adventurous	Personable
Competitive	Opinionated
Hardworking	Fun!

Regarding Projects...

Supportive	Engaging
Cooperative	Open
Receptive	Helpful
High Integrity	Enjoyable



Graham Hbler, Ashraf Imam, Dave Nagel

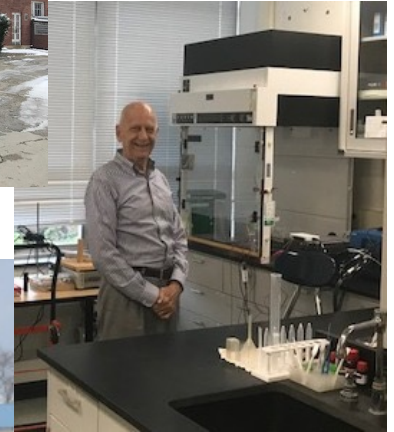
What Have We Learned About....

Participants' Labs?

*George Miley's Fusion
Studies Lab, Univ. of Illinois*



*Dave Nagel in His
LENR Lab at GWU*



- Variety of LENR Methods
 - Electrolytic
 - Gas loading
 - Gas discharge
 - Several others
- Variety of Signatures
 - Excess heat
 - Nuclear: tritium, low-level radiation, neutrons, etc.
- Variety of Facilities
 - University labs
 - Private commercial labs
 - Home labs



*Tom Claytor's High
Mesa Technology,
White Rock, NM*



*Dennis Letts' Home
Lab, Austin, TX*

What Have We Learned About....

Participants

In Memoriam...

Charles Beaudette

Peter Gluck

Ludwig Kowalski

Mahadeva Srinivasan



What Have We Learned About....

LENR Records?

- Generally of Two Types
 - Documents
 - Data
- Main Variables
 - Original data type
 - Collection & recording
 - Media (hardcopy, electronic)
 - Completeness
 - Recordkeeping methods
 - Retention, preservation
- Major Impact of the Digital Age!



*Tom Passell with His LENR Lab Records
Boxed for Archiving
Mountain View, CA*

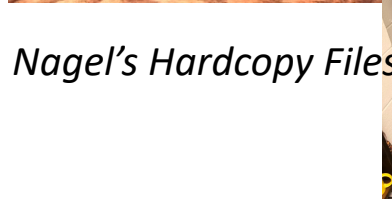
What Have We Learned About....

Records Categories?

- Publications & presentations
- Unpublished reports
- Electronic files: current & legacy media
 - Documents (reports, etc.)
 - Experimental data
- Hardcopy records
- LENR laboratory
- Lab and other notebooks
- LENR books and journals (library)
- Conference proceedings (e.g., ICCF)



SKINR Electronic Files



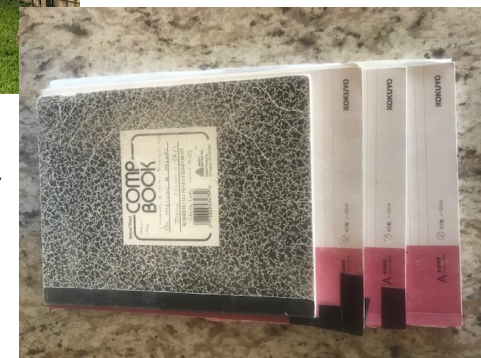
Nagel's Hardcopy Files



Letts' LENR Laboratory



Miles' Lab Notebooks



What Have We Learned About....

Preservation & Archiving

*Univ. of Utah
Marriott Library*

- Different Solutions for Record Types
- Hardcopy Records: Univ. of Utah Marriott Library
 - “Home” of cold fusion
 - Strong interest in CF records
 - Substantial current holdings
 - LRDI pilot: Ed Storms, 11/2021
 - Tom Passell underway
- Electronic Records: Not Yet Determined
 - Currently backed up on two hard drives
 - Central repository needed
 - Need for access & confidentiality



*Special Collections
Reviewing Room*



*Storms LENR Records
Being Loaded for Trans-
port to Marriott Library*

What Have We Learned About....

Interviews

- Essential for LRDI Projects
- Complement to Records
- Necessary for Research Timeline
- More than One Is Best for Completeness
- The “Glue” for Reports
- In-Person Is Superior to Phone Recording
- Recording with Cell Phone App
- Phone Call Recording with APP
- Transcription by Online Service



*Smart Recorder
(In-Person)*



*Tape-A-Call
(by Phone)*



*Rev.com
(Transcription)*

Used Successfully in LRDI

What Have We Learned About....

Status of the LENR Field?

- Confirmations!
- Rejection & Marginalization
 - Hallmark of the field
 - Catch-22 situation
 - Impediment for resolving reproducibility & explanation
- Research Community
 - “Circle the wagons” culture
 - Camaraderie, mutual respect
 - Self-selection of interested parties
 - Loosely bonded; sometimes fractious members

You were rejected. Do you have evidence to assure me that funding is now warranted?



I need the funding to develop the evidence.



I'm sorry, if you don't have the evidence, we can't provide funding.

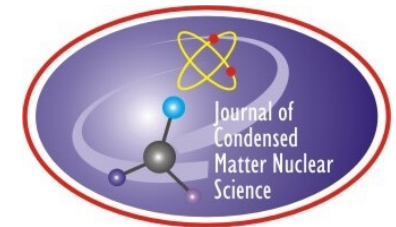


Catch-22 Diagram for Cold Fusion Status

What Have We Learned About....

Status of the LENR Field?

- Stand-Alone Scientific Processes & Tools
 - Society & awards (ISCMNS, Preparata Award)
 - Conferences (ICCF)
 - Publications (JCMNS)
 - Magazine (IE)
 - Online library (LENR-CANR.org)
 - Online chat (Google Group)
- Variable & Inconsistent Funding
 - Spotty resources from government agencies
 - Private investors: for-profit, angel
 - Much reliance on non-traditional sources
- Need for Younger Researchers!



LENR-CANR.ORG

A library of papers about cold fusion



Future LRFI Opportunities

- Seems Like “Just Getting Started”
 - More participants
 - Greater depth for existing projects
- Permanent Archive
 - Marriott Library for hardcopy
 - Solution TBD for electronic
- Integrated LRFI Report
 - What has been achieved?
 - What has been learned?
- Outreach & Communications: Emphasize the Public Realm
 - Publications & magazine articles
 - Presentations
 - Within and outside the LENR field
 - Seek permission for project reports to public realm
 - LRFI findings to broader scientific community
 - Advancing the LENR cause: How can this effort improve the prospects of LENR?

In Conclusion...

- LENR Realization Is Essential to Humanity!
 - Clean, cheap, safe, reliable energy source
 - Abatement of global climate change
- The Loss of LENR Research Records Would Be a Tragedy
 - For the participants
 - For the field
 - For achieving LENR and its benefits
 - For the future of humankind
- The LRDI Objectives are Being Met
 - Methods well established
 - Many records preserved
 - Long-term archive partly solved
 - Universally accepted as a good idea
 - Powerful combination of records and interviews
- LRDI Projects are Fun!

Thank You!

- Participants (and several spouses!)
- Anthropocene Institute
- New Energy Foundation & IE Magazine
- Marriott Library, University of Utah
- LENR-CANR.org
- Ed Storms: Pilot Projects for the LRDI and Marriott Library
- To All of You for Listening!

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