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October 19, 1989

TO MEMBERS OF THE COLD FUSION PANEL

Dave Goodwin attended a NSF/EPRI Workshop this Monday and Tuesday
and asked me to send you his attached summary notes as soon as possible.

Bill
William L. Woodard
Panel Secretary

New Energy Times

4 15/12/83

Notes on NSF/EPRI Workshop

27% → 54% ??

NRL: Up to a 100% increase in Pd-10611
 "NOT FOR PUBLIC RELEASE AND NOT FOR ATTRIBUTION"

J who?
!!

Bockris: 10 U.S. groups with heat

Pons: 20 mW detection limit, blanks: ± 1 mW
 K: $\pm 0.15\%$ based on 33 calibrations
 1 Aug. to on-going: 16 megaJ in, 36 megaJ out

Oriani (Minn.): + 200 KJ excess of 2,500 KJ in
 Hollywood Abstract: 50 w/cc, 11 hr. 2.2 megaJ/cc

Wadsworth: 38 x more heat out than burning all D2 in rod

Huggins: > 30 to 50% excess heat in open cells
 Recombiner: 10% excess heat
 + 1 W or + 3-4 W (much scatter in data)

Yeager (Case): Up to + 10% excess heat
 2 x T expected from isotopic sep.

Hutchinson (Oak Ridge): Up to + 9 W (+ 20%)

Teller: Suggests doping Pd rod with U-235 and/or replacing Li with Be.

Rafelski: May be possible to have an energy lower than the n producing
 branch but higher than the T producing branch.

Jones: - Penn State (Howard Pickering) has similar n bursts
 - Will exam n time structure; may use LAMPF equipment

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SUMMARY ITEMS

- (1) Isotopic analysis of the electrode, especially of the surface (and of the electrolyte) should be considered at least as high of a priority as n, T, He-3 and He-4 (Isotopic analysis is reportedly about 10^2 less sensitive than He). Geophysics (and astrophysics) data are of similar priority as p, x-rays, gammas and betas. Teller stated Livermore has measured Li-6 depletion in 1st micron of surface (measured to 3 microns). } ???
- (2) Consideration should be given to having "new experiments in high radiation fields."
- (3) National Labs should attempt to confirm positives (some funding required).
- (4) The theory group noted the superconductivity "inverse isotope effect" of Pd-D (Tc lower for heavier isotopes).

New Energy Times