

Abstract Submitted  
for the MAR13 Meeting of  
The American Physical Society

**Very Early Prescient Experimental and Theoretical Nano/Microcluster-Scale-Physics Root-Cause Ultimate-Origins: History: EMET!!!/TRUTH!!!** VICTOR GREGSON, RYOGIRO KUBO, EDWARD CARL-LUDWIG SIEGEL, NANO-MICROCLUSTER/FUZZYICS = CATEGORYICS = PRAGMATYICS("Son of 'TRIZ'")/CATEGORY-SEMANTICS COGNITION — Siegel[Phys.Stat.Sol.(a)11,45(72)] possibly first experimental nanoscale-physics/metallurgy/ceramics(VS CNRS Mdm.-Pres.resume-claims), following always-seminal Kubo[Phys. Lett.1,49(62);J.Phys.Soc.Jpn.:17,965(62); 21,1765(66); Comm.SS Phys.1,168 (68); J.Phys.Colloques,38,C2-69(77).]-Fulde[(1960s)]-Matsubara et. al. [(1960s)-Matsubara-Siegel[Intl.Conf.Lattice-Dym.(77);Statphys-13(77);ICMAO(77);Scripta Met.13,913(79)] as reviewed by Sugano[Microcluster-Physics(81)], very early experimental hardness/bulk-moduloi/shear-moduli versus/ connection to Dempsey[Phil.Mag. 8,86,285(63)] electrical-resistivity trends with cation-atomic-number of hot/cold-pressed ceramics versus Mott topological-disorder: Siegel: powders[Mtls.Sci.Eng.8,6 323(71);Phys.Stat.Sol.(a)11, 45(72) ;Semis, &Insuls.5:39,47,62 (79)] /glasses[J.Nonxline-Sols.40,453(80); NYAS Conf.Atomic & Molecular Glasses, Ann.NYAS(80); Ferroelectrics 34,1,127(81)]/ liquids[Phys.& Chem.Liqs.:4(4)(75);5(1)(76)] / slushes (!!!)/ blends /ferrofluids[Intl Conf. Ferrofluids, M. Zahn ed.(84)]/nanophysics of Goudschmidt [Interstitial-Alloys,(69)] transition-metalloids: carbides, nitrides, borides, hydrides, carbon [Phys.Stat.Sol.(a)11,45(72); Semis.&Insuls.5: 39,47,62(79)] and proton-irradiated diamond Little[(1960s)-predicted hyper/superconducting polydiacetylene(???) quantum-wires [3rd World Cong.SC, Munich(92), Appl.-SC,1,10,1949(93); TWO OTHER PAPERS SPIKED BY ANL/DOE EDITORS!!! AS USUAL!!!: GOOGLE:

NANO-MICROCLUSTER/FUZZYICS = CATEGORYICS = PRAGMATYICS("Son of 'TRIZ'")/CATEGORY

Date submitted: 29 Nov 2012

Electronic form version 1.4