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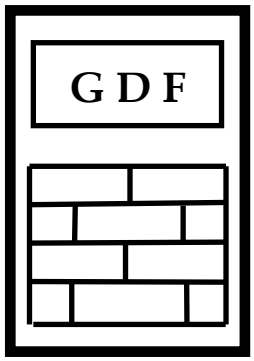

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In-charge and off-charge behavior of rechargeable batteries.

During more than 10 years I use rechargeable batteries for a wide variety of home appliances (see a selection in Figure 1). All batteries are made by the same German company including the charger (1 in Figure 1) indicating the instant charge status (Udc in %), the charging mode and the complete charge.
My concern about the operating capabilities of these batteries begun when I observed very long operating times after one complete recharge. Table 1 presents the most important parameters for a selection of common appliances using the same type of such batteries.

Table 1. Devices using Ni-MH AA rechargeable batteries of 2300 mAh produced by TRONIC ENERGY®

device	No in Figure 1	Nos of batteries	operating frequency	COT*
Nikon photo apparat	2	2	1 time for 4 hrs/week	1 year
Portable Radio set	3	2	2 - 4 hrs/day	8 months
Digital thermometer	4	1	>5 years	continuously
Wall clock	5	1	>1 year	continuously
Blood pressure meter	6	2	3 months	1-10x/month

* COT = continuous operating time for one recharge of batteries.

Figure 2 shows the time dependence of discharge curves in off-charge conditions of two groups of the same type of batteries by considering the average values on 3 specimens for each group.

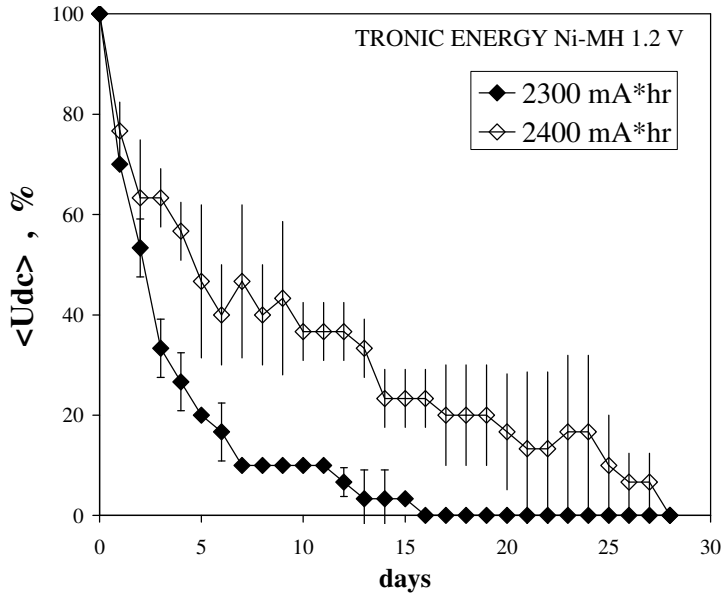

Figure 2.

The striking observation is that the discharge times in off-charge conditions are much shorter than in-charge conditions even for high current consumption devices. For the moment I have no solid explanation about this phenomenon, but it appears that batteries charge themselves from outer sources. Even normal discharge in off-charge conditions (Figure 2) shows no pure and smooth decreasing processes being influenced by environmental conditions.

Figure 1. Charger (1) and devices energized by the same type of Ni-MH AA batteries.

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Studies	Faculty of Physics, University of Bucharest, Romania (1963-1968) Ph.D.in Physics, University of Bucharest, Romania (1980)
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publications	● >100 scientific papers ● >70 scientific communications ● 17 patents ● 6 books
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HuPoTest is a mental test and training procedure continuously developed over more than 50 years. During long experience with HuPoTest on a large number of persons, I was able to observe that mind can not be in the same extent focused on the imposed measurements. HuPoTest is able to quantitatively establish the active and inactive parts of the mind during the test. This means that mind has a composite structure according to topoenergetic principles developed and extensively applied to a large variety of transforming systems. The book presents succinctly, but suggestively the main topoenergetic principles with application on important examples with the view to better understand their significance. HuPoTest operating instructions, significance of the calculated parameters and personal results are presented and commented in detail revealing the composite structure of mind. Continuously degradation of human mind in correlation with uncontrolled growth of population are the main problems of humankind leading to imminent global conflict. Only individuals with properly trained minds will be through survivors, so HuPoTest represents the right procedure to improve and maintain human minds.

Dr Gheorghe Dragan was born on the 1st September, 1945, in Ploiesti, Prahova, Romania. He holds a Ph.D. in Physics from the University of Bucharest, Romania (1980) and has published about 200 scientific papers, 70 scientific communications and 5 books. He also holds 17 patents.

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Gheorghe Dragan

Composite Structure of Human Mind

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Foreword

Miguel de Cervantes Saavedras:
„Experience is the mother of all sciences"

My deep concern is that the present book will not affect in any way human society, although I tried to point out arguments about the next imminent nuclear conflict mainly caused by continuous and accelerated degradation of human mind in direct correlation with uncontrolled growth of population. Survivors will be only ones with properly prepared minds. These two facts are striking evidences for any one, no matter education and place on the planet Earth. The solution I propose is to permanently testing and improving our mind. Its name is HuPoTest I experienced and developed continuously for more than 50 years. Human mind is our "crazy horse" which no individual succeed to completely master during entire life. The main problem is not that there are bad guys and good guys, but it is practically impossible to know them. The only solution is to take care of our own mind. After a long and intense experience face-to-face on a large variety of individuals with HuPoTest, I established that there are 4 main categories: (i) dominating; (ii) dominated; (iii) independent and (iv) not able to perform HuPoTest. The results are not available for ever, because they can transform instantly between them (flip-flop character). The first two are dependent each other, permanently involved in conflicts up to crime and suicide. The independent ones avoid any conflict and live in honest conditions. People not able to perform HuPoTest have their minds dominated by destructive emotions. Human mind is in permanent activity, so that conscious activity is perturbed by emotions. This is the main point of the present book: to reveal the composite structure of human mind by the existence of the active component involved in coherent thinking and an inert one perturbing the conscious activity.

I invite any one who decided to try HuPoTest to contact me for help without any obligation.

Bucharest, February 2019,

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Composite structure of human mind

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ERRATUM:

VOL.	NO.	place	CORRECT
15	2	Figure 5	P-
15	3	page 5, row 7 down-to-up	x = 0.2
22	3	Figures 4-6	Values of dTc and exchanged heat must be divided by 10
22	6	Figure 4	-N^2/M values are negative; See Figure 8 and comments in issue 23(3)
23	1	Figure 5	
23	1	HuPoTest-significance of calculated parameters	(yo, Δb)<0, Δa>0: slow reaction (yo, Δb)>0, Δa<0: impulsive reaction
25	9	Figure 4	III: n1=0.711 ± 0.076; m1=154 ±4.6

I encourage readers to advice me any observation.

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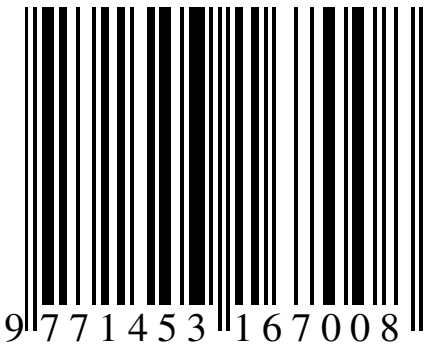

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