CONTENTS

1	All higher life on this Earth is derived from the cell			7
2	Every organism - including the human body - develops in accordance with its own gene	tic		
	blue print	¥		7
3	The process of DNA duplication to RNA is called transcription		(40)	7
4	The process of proteosynthesis is called translation	100		8
5	Nerve impulses are driven by electrochemical forces		242	9
6	Neurotransmitters are divided into neuromediators and neuromodulators		0000	9
7	The neurons and their networks and circuits are developed not only genetically but also			
350	through their interaction by means of impulsation		0.00	10
8				
	in the composition of RNA		342	10
9				
	proteins is rising during paradoxical sleep		(23	12
10	REM-enhancing drugs (Reserpin) improve the students' memory.			12
	Learning and memory are divided into declarative or explicit and non-declarative			
	or implicit		9211	13
12	In terms of permanence, memory can be classified into immediate, short-term			
O.	and long-term memory			14
13	Learning and the data learned can be divided into intrinsic, endogenous, genetically		•	
10	determined and extrinsic, exogenous information received through external senses .			16
14	The new aspects of learning			17
	14.1 Intrinsic normal learning			17
	14.2 Extrinsic normal learning		100	17
	The Local Million Calling,	*		17
	14.4 Extrinsic pathological learning	*	*	18
15				18
	Information from the formator has a dual effect on the elements of the complex			19
17			*	19
1.7	of the whole brain during paradoxical sleep	1		21
18	Jouvet developed exactly that kind of preparation, which should by right be called	*	(4)	21
10	Jouvet's set"			21
19	"Jouvet's cat"		+ 1	21
17				22
20	they had nocturnal poriomanic states	*		22
21	and of the state of game of and of the influence of new information	90	(6)	23
-1	the control of the co			0.4
22	who are not unlike the post-traumatic stress syndrome of war veterans	٠		24
23	Maladaptation in the wake of a trauma takes different forms: dissociation and hyperarousal	٠		24
23	The intensity of experience fixation in memory "depends on the frequency of			
24	that experience" (use-dependent internalization of new information)	100	*	25
25	Encephaloprogrammopathy is leading to maladaptation.			26
26	Attachment behaviour. The concept of the mother-child dyad		4	27
20	Very good rat mothers spending most of their time with the young and licking them			
27	very often tend to have rather quiet and clever offspring	*		27
27	An information-rich environment is one of the conditions for the development			
20	of intelligence			28
28	Emotionally deprived children from early infancy had later serious behaviour problems			28
29	Throughout the "alarm reaction" there is evidence of sympathetic system activation.			29

	Some children respond with dissociative and others with hyperarousal behaviour If the new stimuli are utterly traumatizing, pathogenic, then, under their effect, the brain	31
	becomes directly reorganized	31
	The sex-matched amount of psychic complaints rapidly reaches the reverse in adolescence with girls showing a predominance of neuropsychiatric conditions at a ratio of $2:1$.	32
33	The child in the wake of a psychotrauma, is "reforged", i.e., psychically reoriented or "reprogrammed" to a different mode of mentation and response	33
34	There are different factors of individual effect on the specific response to a particular trauma. "Culturogenesis" or maladaptation in the wake of a major acute or chronic psychotrauma is, in fact, implementation of specific patterns of behaviour, a certain	
35	programme repertoire, normal or pathological, in the brain structures The fronto-orbital cortex, localized mainly in the right hemisphere, is the site where all	34
	experience of the first months and years of life is imprinted or, if you like, implemented.	35
	Proper education has a positive effect on the biological maturation of the child's brain	35
37	Dyadic system is designed to form an interpersonal information channel for the transmission of a reciprocal emotional bond conducive to a favourable psychobiological interrelationship	36
38	The first to mature is the child's right hemisphere, the dominant one for emotional	
39	information processing	37
	the child's becoming independent of his/her mother. The concept is not unlike Jung's	
	concept of "individuation"	38
40	At about 10 months of age, 90 % of maternal behaviour is believed to be full of care and	
	affectionate play with the child whereas at the age of 13 to 17 months, the mother has	
	to forbid something every nine minutes on average	40
41	The state of shame, while admittedly distressful, is necessary	41
42	Mother-child relationship is based on two important phenomena: a - inborn patterns	
	of behaviour, in particular, on the need for closeness to a protecting person, mostly	
	the mother, b - the mother's affection and constant presence designed to drive away hunger,	
	fear, anxiety, fatigue and solitude	44
43	Ainsworth also designed an interesting test to verify attachment - the strange-situation test .	45
44	Secure attachment, insecure resistant attachment, insecure avoidant attachment	46
45	The biological substrate and psychic life is influencing one another	47
46	With regard to man's biopsychological integrity, treatment for neuropsychiatric conditions requires the same procedures, i.e., a biopsychological or medicamentous	49
47	Limbic system comprises cortical structures (archicortex: hippocampus, neocortex: gyrus cinguli, fronto-orbital gyrification, area entorhinalis) and subcortical structures (amygdala,	
	hypothalamus, septal nuclei, area adolfactoria)	50
48	A disease is made up of symptoms, these together add up to syndromes, and all that is due	
	to a definite cause - aetiology	51
	Further classification of psychic life evolution	51
	Neuroses, attachment disorders and all late effects of psychic traumas	52
51	Psychosis usually has a history of psychic and social trauma (stimulus, provoking moment), but, basically, it is the "software" that is disordered, i.e., the intrinsic programming	
	as receptor dysfunction	52
52	Classical epilepsy, as a rule, has no history of psychosocial trauma, however, in the absence of this stimulus, there is always pathological "software" in the form of altered bulbocortical	
	$modulation \ , \ , \ , \ , \ , \ , \ , \ , \ , \ $	53
53	Epileptosis is a special syndrome ranging between neurological and psychiatric symptomatology with pathological involvement of all the three categories (stimulus +,	
	software +, hardware +)	53
54	Children and adults alike are driven by their motives, which can be divided into impulses	
-	and incentives	54
55	Conflict seen as endogenous frustration constitutes a separate group of frustration	55

57	Consciousness is our inner feeling of being aware of oneself and the surrounding world		
	but also our ability to react adequately	200	56
58	First order programmes representing maturation are determined solely genetically	**	57
59	Programmes of the 2 nd order provide the groundwork for types of consciousness		58
60	Programmes of the 3 rd order are specifically human programmes of the development		
	of speech and abstract mentation	*:	59
61	The above programmes of the 1st, 2nd and 3rd order are present in humans throughout the		
	lifetime and recur several times a day	83	60
62	Pathological dissociation of types of consciousness, i.e., programmes of the 2 nd order,		
	again causes some types of epilepsy, mainly of the focal simple and complex types	27	61
63	Pathological disorders of parts of consciousness, i.e., 3 rd order programmes, are		
	represented by cortical syndromes, i.e., speech disorders or aphasia	22	62
64	The brain passes de norma through a number of states such as wakefulness, NONREM		
	and REM sleep in order to be able to reassess the facts stored, the "reprocess old		
	information"	27	63
65	The brain stem and the limbic system are structures where psychic processes are		
	somatized	49	64
66	The epileptic focus is an ectopic formator in pathological states	200	65
67	The epileptic focus is a formator, which develops somatically as a tangible lesion while		
	a secondary focus, e.g., a mirror focus, is just a functional trace	93	66
68	During epileptic discharges in the AHC, the absolute majority of experiences are		
	emotionally negative	27	67
69	Information storage in memory and elicitation from memory is associated with a special		
	synchronized rhythm in the EEG curve	**	69
70	The ontogenesis of noogenesis is individual development of consciousness and its		
	processes from several months of age to the pre-school age	*5	70
71	Dominant, formator, strange attractor, fractal separatrics (epileptic focus, epilepsy,		
	epileptosis, psychosis, states of dissociation)	48	74
72	Conclusion		76
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