

Profiles  
(List of Publications)  
January 15, 2015

## **John Smythies List of Publications**

1952 -2015

### **1952**

1. Smythies JR. Noradrenaline as a provocative agent. EEG Clin Neurophysiol., 4; 371.
2. Smythies JR & Osmond H. Schizophrenia. A New Approach. J Ment Sci., 98; 309.

### **1953**

3. Smythies JR. The baseline of schizophrenia. Amer J Psychiatr., 110; 200.
4. Smythies JR. The mescaline phenomena. Brit J Phil Sci., 3; 339.
5. Smythies JR & Osmond H. The present state of psychological medicine. Hibbert Journal, 51; 133.
6. Smythies JR. The experience and description of the human body. Brain, 76; 132.

### **1954**

7. Hoffer A, Osmond H, & Smythies JR. Schizophrenia. A new approach. Part II. J Ment Sci., 100; 29-45.
8. Clancy J, Hoffer A, Lucy J, Osmond H, Smythies JR & Stefanuik B. The chronic nucleotide project. Bull Menninger Clin., 18; 120.
9. Smythies JR. Analysis of projection. Brit J Phil Sci., 5; 120.
10. Smythies JR. A note on Mr. Hirst's recent paper in Mind. Mind, 63; 388.

11. Smythies JR. A note on Martin Lean's Sense-perception and Matter, *Phil Stud.*, 6; 4.

### 1955

12. Peretz DI, Smythies JR & Gibson WC. A new hallucinogen. 3,4,5-trimethoxyisopropylamine. *J ment Sci*, 101; 317.
13. Gibson, WC, Smythies JR, Purkis VA & Morrison GE. Axon terminals in the normal human cerebrum and cerebellum. *Anat Rec.*, 123; 329.
14. Smythies JR. Will science explain the nature of life? *Austral J Sci.*, 19; 141.

### 1956

15. Smythies JR. A logical and cultural analysis of hallucinatory sense experience. *J ment Sci.*, 102; 336.
16. Smythies JR. The stroboscope as presenting an empirical method of verifying the representative theory of perception. *Brit J Phil Sci.*, 6; 332.
17. Smythies JR "Brain and Mind", in *Twentieth Century Symposium on Mental Health*, May.

### 1957

18. Smythies JR, Gibson WC, Purkis VA & Lowes LA. Some descending connections of the frontal lobe; with a critique of the method of terminal degeneration. *J Comp Neur.*, 107; 57.
19. Smythies JR, Gibson WC & Purkis VA. The distribution and morphology of boutons terminaux in the human cerebrum. *J Comp Neur.*, 108; 175.
20. Smythies JR. A preliminary analysis of the stroboscopic patterns. *Nature*, 179; 523.
21. Smythies JR. A note on the fallacy of the phenomenological fallacy. *Brit J Psychol.*, 98; 141.

### 1958

22. Smythies JR. Brain mechanisms and logic. *Brain*, 80; 393.
23. Harley-Mason J, Laird AH & Smythies JR. I. The metabolism of mescaline in the human. II. Delayed clinical reactions to mescaline. *Confinia Neurol.*, 108; 152.

24. Smythies JR Biochemical concepts of schizophrenia. *Lancet* ii, 308.
25. Smythies JR. Psychiatric research in the State of Illinois. *Lancet* ii, 689.
26. Smythies JR. On some properties and relations of images. *Phil Rev.*, 67; 389.
27. Smythies JR. On the space and time of images. *Brit J Phil Sci.*, 9; 40.
28. Smythies JR. Philosophical and scientific sense-data. *Brit J Phil Sci.*, 9; 224.

### 1959

29. Smythies JR. Quantitative measurement of the effects of lysergic acid diethylamide on mice and its interaction with other drugs. *Nature*, 183; 545.
30. Koella, WP, Smythies JR & Bull DM. Factors involved in the effect of serotonin on evoked electrocortical potentials. *Fed Proc.*, 18; 446 and *Science*, 129; 1231.
31. Osmond H & Smythies JR. The significance of psychotic experience. *Hibbert J.*, 57; 236.
32. Smythies JR. The stroboscopic patterns. Part I. The dark phase. *Brit J Psychol.*, 50; 106. 3
33. Smythies JR. The stroboscopic patterns. Part II. The phenomenology of the bright phase and after-images. *Brit J Psychol.*, 50; 305.

### 1960

34. Smythies JR & Levy CK. The comparative psychopharmacology of some mescaline analogues. *J ment Sci.*, 106; 531.
35. Koella WP, Smythies JR Bull DM & Levy CK. Physiological fractionation of the effects of serotonin on evoked potentials. *Amer J Physiol.*, 198; 205.
36. Smythies JR & Inman OR. The effect of postmortem autolysis on synaptic terminals in the cerebral cortex of dogs. *J Anat.*, 94; 341.
37. Smythies JR. Recent advances in the biochemistry of psychosis. *Lancet* i, 1287.
38. Smythies JR. The stroboscopic patterns. Part III. Further experiments and discussion. *Brit J Psychol.*, 51; 247.
39. Smythies JR, Koella WP & Levy CK. The effect of mescaline on the optic evoked response in the unanesthetized rabbit. *J Pharm exp Therap.*, 129; 462.

40. Koella, WP, Smythies JR, Levy CK & Czilman JS. Modulatory influence on cerebral cortical optic responses from carotid sinus area. *Amer J Physiol.*, 199; 381.
41. Smythies JR The problems of perception. *Brit J Phil Sci.*, 11; 224.

**1961**

42. Smythies JR. The structure of the mind. *Brit J Stat Psychol.*, 14; 141.

**1962**

43. Smythies JR. "Hallucinogenic Drugs", Chapter 18 in *Modern Trends in Neurology*, Dennis Williams, editor. 3rd edition. London, Butterworth.
44. Smythies JR. "Biological factors in schizophrenia". Chapter 17 in *Aspects of Psychiatric Research*, D. Richter et al, editors. Oxford University Press.

**1963**

45. Smythies JR. The diagnosis of cerebral arteriosclerosis. *Amer J Psychiatr.*, 119; 992.
46. Smythies JR. "The mode of action of mescaline." in *Hallucinogenic Drugs and their Therapeutic Use*. R. Crockett et al, editors. London, Lewis.
47. Smythies JR. The effect of mescaline upon conditioned responses in the rat. *Biochem Pharm.*, 12; 118.
48. Smythies JR. Biochemistry of schizophrenia. *Postgrad Med J.*, 39; 26.

**1964**

49. Smythies JR & Sykes EA. The effect of mescaline upon the conditioned avoidance responses in the rat. *Psychopharmacologia*, 6; 163
50. Smythies, JR. The value of psychiatric testing and validity of diagnosis in cerebral arteriosclerosis. *Psychiatr Neurol (Basel)*, 148; 236.
51. Gillingham FL & Smythies JR. A case of post-encephalitic Parkinsonism responding to combined surgical and medicinal treatment. *Lancet* i, 236.
52. Smythies JR. Neurobiology and psychiatry. *Prog Brain Res*, 16; 1.

**1965**

53. Smythies JR. Psychiatric and biochemical aspects of Parkinsonism. *J. Psychosom Res.*, 9; 103.
54. Smythies JR. "Some recent theories of mind" in *Biology and Personality*, I. Ramsay et al, editors. Oxford, Blackwell.

**1966**

55. Smythies JR & Sykes EA. Structure-activity relationship studies on mescaline: the effect of dimethoxyphenylethylamine and N,N- dimethylmescaline on the conditioned avoidance response in the rat. *Psychopharmacologia*, 8; 324.
56. Smythies, JR, Sykes EA & Lord CP. Structure-activity relationship studies on mescaline. II. Tolerance and cross-tolerance between mescaline and its analogues in the rat. *Psychopharmacologia*, 9; 434.
57. Smythies JR. Recent advances in the biochemistry of schizophrenia. *Guy's Gazette*, May 4, 242.
58. Smythies JR & Sykes EA. Structure-activity studies on the effects of mescaline on the conditioned avoidance response in the rat. *Proceedings of the Atlantic City Symposium, Amines and Schizophrenia*. H.E Himwich, SS Kety and JR Smythies, editors.

**1967**

59. Smythies JR, Bradley RJ, Benington F, Morin RD, Johnson VS & Clark LC Jr. Structure-activity relationship studies on mescaline. III. The influence of the methoxy groups. *Psychopharmacologia*, 10; 379.
60. Smythies, JR, Bradley RJ, Johnston VS & Leonard F. The behavioral effects of some derivatives of mescaline and N,M-dimethyl tryptamine in the rat. *Life Sci.*, 6; 1887.
61. Smythies JR, Bradley RJ & Johnson VS. Interaction of "stress" and the response to mescaline. *Nature*, 215: 1179.
62. Smythies JR. Biochemical abnormalities associated with schizophrenia. *Hosp Med.*, April, 1967, 573.
63. Smythies JR. Brain mechanisms and behaviour. *Brain*, 90: 698.
64. Smythies JR "Recent advances in the biochemistry of schizophrenia." in *Recent Developments in Schizophrenia*. R.M.P.A, Publication.

- 65. Smythies JR. The previous personality of Parkinsonism. *J Psychosom Res.*, 11; 169.
- 66. Smythies JR, Johnson VS, Bradley RJ, Menington F, Morin RD & Clark LC Jr. Some new behavior-disrupting amphetamines and their significance. *Nature*, 216; 128.
- 67. Smythies JR, Johnston VS & Bradley RJ. Alteration by pretreatment with iproniazid and an inactive mescaline analogue of behavior change induced by mescaline. *Nature*, 216; 195.
- 68. Smythies JR. Research strategies in schizophrenia. *Nature*, 216; 1176.

### 1968

- 69. Beaton JM, Smythies JR, Benington F, Morin RD & Clark LC Jr. Behavioural effects of some 4-substituted amphetamines. *Nature*, 220; 800.
- 70. Smythies, JR, Bradley RJ & Johnston VS. The mechanism of action of hallucinogens. *Comm Behav Biol.*, 1; 213.
- 71. Smythies JR, Johnston VS & Bradley RJ. Behavioural models of psychosis. *Brit J Psychiatr.*, 115; 55.

### 1969

- 72. Watt JAG, Ashcroft GW, Daly RJ & Smythies JR. Urine volume and pink spots in schizophrenia and health. *Nature*, 221; 961.
- 73. Smythies JR The neurophysiology of anxiety. *Brit J Psychiatr.*, Special Publication No. 3, 32.
- 74. Smythies JR & Antun F. Binding of tryptamine and allied compounds to nucleic acids. *Nature*, 223, 1060.
- 75. Smythies JR. "The biochemical lesion in schizophrenia." In *Schizophrenia. Current Concepts and Research*. D.V. Sive, editor. P.J.D. Publications.
- 76. Smythies JR. "Problems of consciousness" in *Beyond Reductionism*, A. Koestler & J. Smythies, editors, London, Macmillan.
- 77. Smythies JR, Benington F & Morin RD. The mechanism of action of hallucinogens on the serotonin receptor in the brain. *Intern Rev Neurobiol.*, 12; 207.

78. Beaton JM, Benington F, Morin RD & Smythies JR. The behavioral effects of DOM in rats. *Comm Behav Biol.*, 3; 81.
79. Smythies, JR. Neurochemical aspects of information processing in the brain. *Comm Behav Biol.*, 3; 241.
80. Carstairs GM, Walton HJ, Smythies, JR & Crisp A. Psychiatric education: Survey of undergraduate psychiatric teaching in the United Kingdom. *Brit J Psychiatr.*, 114; 1411.
81. Smythies JR. Printsipial Struktura gallintsino gennoi molekuly. *Evstn Akad Mad Nauk USSR*, 24; 41.
82. Affleck JW, Cooper AJ, Forrest AD, Smythies JR & Zealley AK. Penicillamine and schizophrenia: a clinical trial. *Brit J Psychiatr.*, 115; 173.
- 1970**
83. Smythies JR. The biochemistry of psychosis. *Scot Med J.*, 14; 34.
84. Smythies JR. The mechanism of action of the hallucinogenic drugs. *Neurosci Res Prog Bull* (editor and contributor of several chapters), 8; 1.
85. Smythies JR, Beaton JM, Benington F & Morin RD. Behavioural effects of some derivatives of amphetamines and LSD and their significance. *Nature*, 226; 644.
86. Smythies JR. Schizophrenia and the mechanism of action of the hallucinogenic drugs. *Abstr World Med.*, 44; 489.
- 1971**
87. Antun F, Smythies JR, Benington F, Morin RD, Barfnecht CF & Nichols DE. Native fluorescence and hallucinogenic potency of methylated amphetamines. *Experientia*, 27; 61.
88. Smythies JR, Antun F, Yank G & Yorke C. Molecular mechanisms of storage of transmitters in synaptic terminals. *Nature*, 231; 185.
89. Antun, F, Burnett GB, Cooper AJ, Daly RJ, Smythies JR & Zealley AK. The effects of L-methionine (without MAOI) in schizophrenia. *J Psychiatr Res.*, 8; 63.
90. Smythies JR. (abstract) The design of some new compounds to block psychotomimetic drugs. *The Pharmacologist*, 13; 201.

91. Antun, F., Eccleston D & Smythies JR. "Transmethylation processes in schizophrenia." in *Brain Chemistry and Mental Disease*. BT Ho and W.M. McIsaac, editors. New York. Plenum Press.

## 1972

92. Beaton JM, Pegram GV, Bradley RJ & Smythies J.R. (abstract). Behavioral and neurophysiological effects of methionine and its metabolites. *Proc Soc Neurosci.*, 3; 193.

93. Smythies JR & Antun F. Transmethylation processes in schizophrenia. *Adv Ment Sci.*, 4; 16.

94. Smythies JR, Field ES, Caspary EA & Carnegie PR. Hallucinogens block antigenicity of the tryptophan region of myelin. *Nature*, 240; 561.

## 1973

\*95. Smythies JR. "The functional anatomy of the brain." in *Companion to Psychiatric Studies*. Vol. I. Edinburgh, Livingstone.

96. Smythies JR. "Schizophrenia." in *Companion to Psychiatric Studies*, Vol. 2. Edinburgh, Livingstone.

97. Benington F, Morin RD, Beaton J, Smythies JR & Bradley RJ. Comparative effects of stereoisomers of hallucinogenic amphetamines. *Nature New Biology*, 242; 185.

98. Smythies JR. Psychiatry and the neurosciences. *Psychol Med.*, 3; 267.

99. Smythies JR. "Brain mechanisms and psychiatry." Chapter 2 in *Surgical Approaches to Psychiatry*, L V Laitinen and K E Livingstone, editors, Lancaster, M.T.P.

100. Mitchell SR, Beaton JM, Bradley RJ & Smythies JR (abstract). Behavioral tolerance to N,N-dimethyl tryptamine. *Proc Soc Neurosci.*, 3; 441.

## 1974

101. Smythies JR, Romine WO Jr, Schoepfle GM, Al-Zahid A & Bradley RJ. Pharmacological evidence related to the existence of two sodium gating mechanisms. *Nature*, 248; 797.

102. Smythies JR. Relationships between chemical structure and biological activity of convulsants, *Ann Rev Pharmacol.*, 14; 9.



103. Beaton JM, Smythies JR, Bridgers WF, McClain LD, Pegram GV & Bradley RJ. A study of the behavioral disruption of mice induced by L-methionine and related compounds. *Psychopharmacologia*, 36; 101.

104. Smythies JR. Schizophrenia: the relevance of animal models. *Biochem Soc Spec Publ*, 1; 189.

105. Romine WO Jr, Smythies JR, Bradley RJ, Al-Zahid A & Schoepfle GM (abstract). Effect of the scorpion venom *Heterometrus gravimanus* and its protein components on the action potential of single medullated nerve fibers. *Fed Proc.*, 33; 300.

106. Beaton JM, Pegram GV, Smythies JR & Bradley RJ. The effects of nicotinamide on mouse sleep. *Experientia*, 30; 926.

107. Beaton JM, Smythies JR, Pegram GV & Bradley RJ. An investigation of the effects of L-methionine and related metabolites on rat behavior. *Behav Biol.*, 12; 249.

108. Beaton, JM, Bradley RJ, Pegram GV & Smythies JR (abstract). The effects of nicotinamide and L-methionine on mouse sleep-wake cycles. *Proc Soc Neurosci.*, 4, 33.

## 1975

109. Beaton JM, Smythies JR & Bradley RJ. The behavioral effects of L-methionine and related compounds in rats and mice. *Biol Psychiatr.*, 10; 45.

110. Bradley RJ & Smythies JR. "Studies on lysergates." in *LSD - The Total Picture*. Siva-Sankar et al, Editors. New York, PJD Publications.

111. Morin RD, Benington F, Mitchell SR, Beaton JM, Bradley RJ & Smythies JR. The behavioral effects of 2,4,5-alkylamphetamines. *Experientia*, 31; 93.

112. Smythies JR, Benington F, Morin RD, Al-Zahid A & Schoepfle GM. The action of the alkaloids from Yew (*Taxus baccata*) on the action potential in the *Xenopus* medullated axon. *Experientia*, 31; 337.

113. Smythies JR "The biochemical basis of schizophrenia." Chapter 5 in *New Perspectives in Schizophrenia*. A Forrest and J Affleck, editors. Edinburgh, Churchill-Livingstone.

134. Smythies JR. Historical aspects of biochemical research in schizophrenia. Proc. Silver Jubilee Psychiatric Research Meeting, Saskatoon. Saskatoon Department of Public Health Publication.

**1976**

115. Bradley RJ & Smythies JR. "The biochemistry of schizophrenia." in *Biological Psychiatry*, RG Grennell and S Gabay, editors. New York, Raven Press.
116. Smythies JR. "Mind and Brain" in *Encyclopedic Handbook of Medical Psychology*, S. Krauss, editor. London, Butterworth. pp. 311-313.
117. Smythies JR. Recent progress in schizophrenia research. *Lancet* ii, 136.

**1977**

118. Robinson CR, Pegram GV, Hyde PR, Beaton JM & Smythies JR. The effects of nicotinamide upon sleep in humans. *Biol Psychiatr.*, 12; 139.
119. Smythies JR. "The biochemistry of anxiety and depression." in *Therapy in Psychosomatic Medicine*. F. Antonelli, editor. Rome, Pozzi.
120. Smythies JR. Brain function and diet. *Cont Educ.*, 18; 32.
121. Smythies JR. "The biochemical organization of the brain and schizophrenia." in *Psychopathology and Brain Dysfunction*, A. Friedhoff editor, pp. 113-124.

**1978**

122. Smythies JR. "Molecular aspects of serotonin." in *Serotonin in Health and Disease*, J. Essman editor, New York, Spectrum.
123. Smythies JR. "Molecular aspects of neural mechanisms." in *Neuropharmacology and Behavior*, B Haber & M Aprison, editors. New York, Plenum Press.
124. Corbett L, Christian ST, Benington F, Smythies JR & Morin RD. Hallucinogenic tryptamines in human cerebrospinal fluid. *Brit J psychiatr.*, 132; 129.
125. Smythies JR. *The Biochemical Basis of Schizophrenia - a Self-Instructional Unit for Medical Students*. (c). UAB Publication.
126. Bolme P, Fuxe K, Agnati LF, Bradley RJ & Smythies JR. Cardiovascular effects of morphine and opiate peptides following intracisternal administration to chloraset-anesthetized rats. *Eur J Pharmacol.*, 13; 773.
127. Carl GF, Crews EL, Carmichael SM, Benesh FL & Smythies JR. Four enzymes of one-carbon metabolism in blood cells of schizophrenics. *Biol Psychiatr.*, 13; 773.

128. Smythies JR. The transmethylation hypothesis of schizophrenia. Proc. Third World Congress Biol Psychiatr., Barcelona.
129. Smythies JR. "On the molecular mechanism of action of hallucinogens." in *The Psychopharmacology of Hallucinogens*. RC Stillman and RE Willette, editors. New York, Pergamon Press, pp 23-27.
130. Beaton JM, Bradley RJ & Smythies JR. "Behavioral measures of hallucinogenic behavior." in *The Psychopharmacology of Hallucinogens*. RC Stillman and RE Willette, editors. New York, Pergamon Press, pp 241-258.

### 1979

131. Smythies JR On the relation between chemical structure and function in certain tumor promoters and anti-tumor agents. *Prog Drug Res.*, 23; 63.
132. Smythies JR. "Common clinical problems in neuropsychiatry." Chapter 12 in *Psychiatry for the Primary Care Physician*, AM Freeman et al, editors. Baltimore, Williams & Wilkins.
133. Bradley RJ, Morley B, Barker S & Smythies JR. "Hallucinogens." Chapter 9 in *The Handbook of Clinical Neurology*, Vol. 37. Intoxications of the Nervous System. Part II. PJ Vinken and GW Bruyn, editors. Amsterdam, pp. 329-349.
134. Smythies JR, Morin RD & Brown GB. Identification of dimethyltryptamine and O-methylbufotenin in human cerebrospinal fluid by combined gas chromatography/mass spectrometry. *Biol Psychiatr.*, 14; 549.
135. Smythies JR. On the relation between chemical structure and function in certain convulsant drugs. *Prog Drug Res.*, 24; 65.
136. Smythies JR. Prostaglandins and cancer. *Psychoneuropharmacology*, 4; 177.
137. Gardemann JP, Beaton JM, Brown GB & Smythies JR (abstract). Determination of N,N-dimethyltryptamine in human cerebrospinal fluid and rat brain using gas chromatography/mass spectrometry. *Soc Neurosci.*, 9; 403.

### 1980

138. Smythies JR. "Structure-activity relationships: receptor modelling for anticonvulsant and convulsant drugs." Chapter 12 in *Antiepileptic Drugs: Mechanisms of Action*, GH Glaser et al., editors. New York, Raven Press.
139. Brown GB, Smythies JR & Morin RD. "Endogenous hallucinogens in the CSF: measurement and meaning." in *Neurobiology of Cerebrospinal Fluid*. Vol II. JH Wood editor. New York, Plenum Press.

140. Smythies JR. Self-complementarity in protein molecules. *Ala J Med Sci.*, 17; 9.
141. Sarrif AM, Stobel-Stevens J, Miller J & Smythies JR (abstract). Morphological transformation of C3H 10T 1/2 cells by benzo(a)pyrene and 3-methylcholanthrene as a function of time of exposure. *Pharmacologist*, 22; 211.
142. Smythies JR. Brain carboxymethylase and schizophrenia. *Psychoneuroendocrinology*, 5; 177.
143. Smythies JR. Structure-activity studies of benzodiazepines and their receptors. *Proc Intern Conference on Benzodiazepines*. Trieste.

### 1981

144. Smythies JR. "Biochemical aspects of neurotic behavior," in *Handbook of Biological Psychiatry*. Vol. 4. HM Van Praag et al editors. New York, Dekker.
145. Smythies JR & Tolbert LC. "Neuropharmacological roles for methionine, nicotinamide and ascorbic acid." Chapter 21 in *Nutrition and Behavior*, SA Miller editor. Philadelphia, The Franklin Institute Press, pp 263-267.
146. Sarrif AM, Strobel-Stevens J, Miller C & Smythies JR. The importance of short-term exposure of C3H 10T 1/2 cells to polycyclic hydrocarbons: evidence for hydrocarbon-mediated anticarcinogenic activity. *Cancer Lett.*, 13; 291.

### 1982

147. Kelsoe JR Jr, Tolbert LC, Crews EL & Smythies JR. Kinetic evidence for decreased methionine adenosyltransferase activity in erythrocytes from schizophrenics. *J Neurosci Res.*, 8; 99.
148. Brown GB, Smythies JR & Morin RD. "Endogenous hallucinogens in cerebrospinal fluid." Chapter 12 in *Neurobiology of Cerebrospinal Fluid*, Vol I. JH Wood editor. New York, Plenum Press.
149. Smythies JR. Biological markers for the schizophrenic and atypical psychoses. *J nerv Ment Dis.*, 190; 732.
150. Smythies JR. "Cancer." Chapter 51 in *Prostaglandins and Related Compounds*. PB Curtis-Prior editor. Edinburgh, Churchill-Livingstone.
151. Smythies JR, Hain J, Crews E & Grayson G. A clinical trial of injectable Molindone (Moban). *Current Therap Res.*, 32; 752.

152. Tolbert LC, Monti JA & Smythies JR (abstract). Is the decreased PC/PE ratio in RBCs from schizophrenics due to decreased SAM production? Proc Soc Neurosci., 8; 1008.

### 1983

153. Smythies JR. On the transmethylation and one-carbon cycle hypotheses of schizophrenia (editorial). Psychol Med., 13; 711.

154. Tolbert LC, Monti JA, O'Shields H, Walter-Ryan W, Meadows D & Smythies JR. Defects in transmethylation and membrane lipids in schizophrenia. Psychopharm Bull., 19; 594.

### 1984

155. Smythies JR. Role of the one-carbon cycle in neuropsychiatric disease. Biol Psychiatr., 19; 755.

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157. Smythies JR. Transmethylation systems in psychiatry. Neuropsychiatr Clin., 3; 103.

158. Smythies JR & Halsey JH. Treatment of Parkinson's disease with L-methionine. Southern Med J., 77; 1577.

159. Tolbert LC, Monti JA, Alarcon RD, Walter-Ryan WG & Smythies JR. Kinetic studies of methionine adenosyltransferase in affective disorders and schizophrenia. Clin Neuropharmacol., 7, Suppl. 1; 106.

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160. Smythies JR. "Hallucinogens," in *Handbook of Neurochemistry*. Vol. 9. A Lajtha editor. New York, Plenum Press.

161. Smythies JR. On the current state of psychiatry in Northern Italy. Bull Royal Coll Psychiatr., 9; 177.

163. Alarcon RD, Tolbert LC, Monti JA, Morere DA, Walter-Ryan WG, Kemp G & Smythies JR. One-carbon metabolism in affective disorders, J Affect Disorders, 9; 297.

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165. Morere DA, Alarcon RD, Monti JA, Walter-Ryan WG, Bancroft AJ, Smythies JR & Tolbert LC. Medication effects on one-carbon cycle metabolism in schizophrenia, mania and major depression. *J Clin. Neuropsychopharmacol.*, 6; 155.

166. Smythies JR, Alarcon RD, Morere D, Monti JA, Steele M, Tolbert LC & Walter-Ryan WG. Abnormalities of one-carbon metabolism in psychiatric disorders: study of methionine adenosyltransferase kinetics and lipid composition of erythrocyte membranes. *Biol Psychiatr.*, 21; 1391.

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168. Smythies JR. A brush with tenosynovitis. *J Roy Soc Med.*, 80; 105.

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\*170. Smythies JR. Editorial: Neurophilosophy. *Psychol Med.*, 22; 547

\*171. Smythies JR. Review of A Linde *Particle Physics and Inflationary Cosmology*. *Psychol Med.*, 22; 276.

### 1993

\*172. Smythies JR. Review of D C Dennett *Consciousness Explained*. *Psychol Med.*, 22; 547.

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### 1995

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### 1996

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**1997**

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January 15, 2015