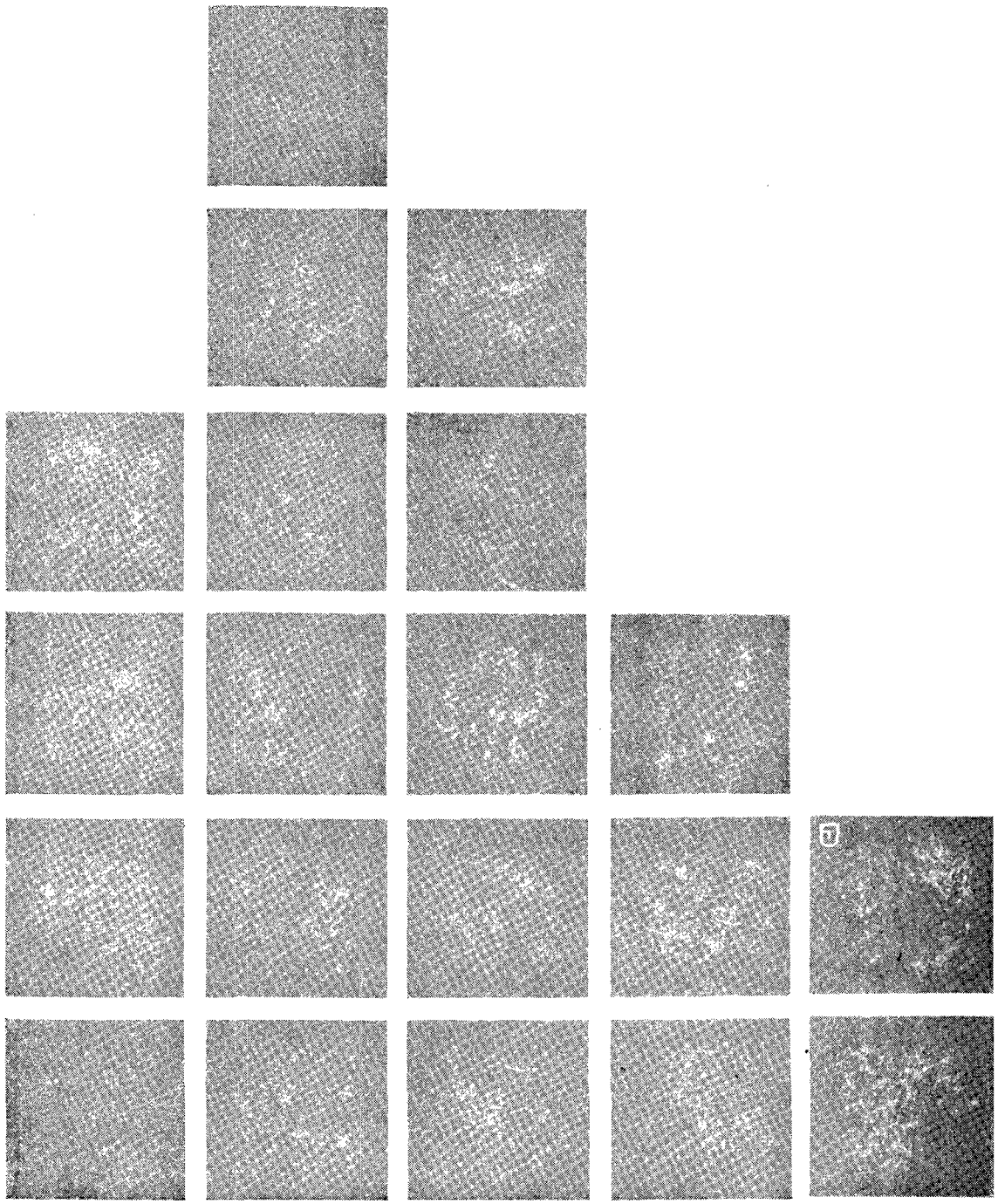
神経化学

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神 経 化 学 懇 話 会

—神経化学文献*—

CLASSIFICATION OF NEUROCHEMISTRY TITLES

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III. Carbohydrates & Related Compounds
IV. Amino Acids, Peptides & Related Compounds
V. Proteins
VI. Nucleic Acids & Related Compounds
VII. Lipids, Steroids & Related Related Compounds
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IX. Neuro- & Psychotropic Drugs
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A	Acta Neurol. Scand.	41(5), Supp. 16, '65
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B	Biochem. Biophys. Res. Commun.	21(5, 6), '65; 22(1), '66
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E	Exp. Brain Res.	1(1), '66
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H	Hoppe-sylers Z. Physiol. Chem.	342(1/3, 4/6), '65
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S	Science	150(3703, 3704, 3705), '65; 151(3706, 3707, 3708, 3709), '66
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＊この号から「**神経化学文献**」欄の編集・掲載方法を全面的に改訂しました。その方式は前号（**4巻6号**）でお知らせしましたが、掲載方法のこまかい点については本号の編集後記を参照して下さい。

I. GENERAL NEUROCHEMISTRY

1. Abrams, R. M., et al.
Brain temperature and brain blood flow in unanesthetized rates.
Life Sci. 4(24): 2399-410, '65

2. Broman, T., et al.
Comparative intravital and postmortem studies on chemically induced blood-brain barrier damage tested with tyran blue.
Acta Neurol. Scand. 41(5): 527-38, '65

3. Broron, T.E., et al.
Craniocerebral trauma induced by laser radiation. A method for experimental production of subdural and subarachnoid hematoma.
Life Sci. 5(1): 81- , '66

4. Edstrom, R.
Recent developments of the blood-brain barrier concept
Intern. Rev. Neurobiol. 7 : 153-190, '64

5. Gesteland, R.C., et al
Chemical transmission in the nose of the frog.
J. Physiol. 181(3): 525-59, '65

6. Harden, A. & Pampiglione, G.
Electroencephalographic studies on children during hypothermia and circulatory arrest.
J. Phypiol. 181(2): 49P, '65

7. Harris, G.W. & Levine, S.
Sexual differentiation of the brain and its experimental control.
J. Physiol. 181(2): 379, '65

8. Kety, S.S.
Biochemistry and mental function.
Nature. 208(5017): 1252-7, '65

9. Krnjevic, K.
Micro-iontophoretic stuides on cortical neurons.
Intern. Rev. Neurobiol. 7: 41-98, '64

10. Martin, A.R.
Quantal nature of synaptic transmission.
Physiol. Rev. 46(1): 51- , '66

11. Menzies, D.W.
Is there a cortex-medullary cord barrier in lymph nodes?
Nature. 209(5018): 91-2, '66

12. Rosenblatt, F., et al.
Transfer of conditioned responses from transfer of conditioned responses from trained rats to untrained rats by means of a brain extract.
Nature. 209(5018): 46-8, '66

13. Shaw, R.H., et al.
Biological activity of bovine brain constituents.
Can. J. Physiol. Pharmacol. 44(1): 69, '66

14. Teplitz, R.L.
Sex chromatin of cone cells of human retina.
Science 150(3705): 1828-9, '65

15. Vincenzi, F.F. & West, T.C.
Modification by calcium of the release of autonomic mediators in the isolated sinoatrial node.
J. Pharmacol. Exp. Therap. 150(3): 349-60, '65

16. Young, J.Z.
The organization of a memory system.
Proc. Roy. Soc. (London) Ser. B. 163(992): 285-320, '65

II. ELECTOLYTES, METALS & INORGANIC CONSTITUENTS

17. Ames, A. III., et al
Relation of potassium concentration in choroid-plexus fluid to that in plasma.
J. Physiol. 181(3): 506-15, '65

18. Ames, A. III., et al
Effects of Pco_2, acetazolamide and ouabain on volume and composition of choroid-plexus fluid.
J. Physiol. 181(3): 516-24, '65

19. Caldwell, P.C. & Schirmer, H.
The free energy available to the sodium pump of squid giant axons and changes in the sodium efflux on removal of the extracellular potassium.
J. Physiol. 181(2): 25P- , '65

20. Chandler, W.K. & Hodgkin, A.L.
The effect of internal sodium on the action potential in the presence of

different internal anions.
J. Physiol. 181(3): 594-611, '65

21. Coppen, A.
Mineral metabolism in affective disorders.
Brit. J. Psychiat. 111(481): 1133-42, '65

22. Coxon, R.V. & Swanson, A.G.
Movement of ^{14}C bicarbonate from blood to cerebrospinal fluid and brain.
J. Physiol. 181(4): 712-27, '65

23. Cserr, H.
Potassium exchange between cerebrospina fluid, plasma, and brain.
Am. J. Physiol. 209(6): 1219- , '65

24. Heijst, A.N.P. van., et al
Comparison of the acid-base balance in cisternal and lumbar cerebrospinal fluid.
Pflugers Arch. Ges. Physiol. 287(3): 242, '66

25. Hurlbut, W.P.
Salicylate: effects on ion transport and afterpotentials in frog sciatic nerve.
Am. J. Physiol. 209(6): 1295, '65

26. Noble, D.
Applications of Hodgkin-Huxley equations to excitable tissues.
Physiol. Rev. 46(1): 1, '66

27. Penn, R.D. & Loewenstein, W.R.
Uncoupling of a nerve cell membrane junction by calciumion removal.
Science 151(3706): 88, '66

28. Roos, A.
Intracellular pH and intracellular buffering power of the cat brain.
Am. J. Physiol. 209(6): 1233, '65

29. Severinghaus, J. W.
Regulation of pH on the cerebral cortex.
J. Physiol. 181(2): 35p, '65

30. Spyropoulos, C.S.
Interdependence of the effects of calcium, potassium and temperature upon the properties of nerve membranes
Brain Res. 1(1): 105-108, '66

Ⅲ. CARBOHYDRATES & RELATED COMPOUNDS

31. Coxon, R.V., et al.
The incorporation of isotopic carbon (^{14}C) into the cerebral glycogen of rabbits.
Biochem. J. 97(3): 776-81, '65

32. Gabbay, K.H., et al
Sorbitol pathway: presence in nerve and cord with substrate accumulation in diabetes.
Science 151(3707): 209-10, '66

33. Naruse, H. et al.
Microdetermination of citric acid in nervous tissue
Exp. Brain Res. 1(1): 40-47, '66

Ⅳ. AMINO ACIDS, REPTIDES & RELATED COMPOUNDS

34. Ash, A.S.F. & Tucker, J.F.
Inhibition of Ascaris muscle by γ -aminobutyric acid: a possible new assy method.
Nature 209(5020): 306, '66

35. Blasberg, R. & Lajtha, A.
Heterogeneity of the mediated transport systems of amino acid uptake in brain
Brain Res. 1(1): 86-104, '66

36. Bridgers, W.F.
The biosynthesis of serine in mouse brain extracts.
J. Biol. Chem. 240(12): 4591-7, '65

37. Chiosa, L., et al.
The protective action of N-acetyl and N-carbamyl derivatives of glutamic and aspartic acids against ammonia intoxication.
Biochem. Pharmacol. 14(11): 1635-43, '65

38. Curtis, D.R. & Watkins, J.C.
The pharmacology of amino acids related to gamma-amino butyric acid.
Pharmacol. Rev. 17(4): 347-91, '65

39. Dolan, G. & Godin, C.
Phenylalanine toxicity in rats.

Can. J. Biochem. 44(1): 143, '66

40. Douglas, W.W., et al.
The effect of metabolic inhibitors on the release of vasopressin from the isolated neurohypophysis.
J. Physiol. 181(4): 753-9, '65

41. Mandel, P. & Mark, J.
The influence of nitrogen deprivation of free amino acids in rat brain.
J. Neurochem. 12(12): 987-92, '65

42. Morris, D. & Straughan, D.W.
The interaction of α and β L-Aspartyl-L-Glutamic acid and their N-Acetyl derivatives on central neurones and certain isolated peripheral tissues.
Biochem. Pharmacol. 14(11): 1679-81, '65

43. Polidora, V.J., et al.
Phenylketonuria in rats: reversibility of a behavioral deficit.
Science 151(3707): 219-21, '66

44. Smith, S.E.
Kinetics of rat brain amino acid transport in vitro.
J. Physiol. 181(2): 62p, '65

45. Swaiman, K.F. & Milstein, J. M.
Oxidation of leucine, isoleucine and related ketoacids in developing rabbit brain.
J. Neurochem. 12(12): 981-6, '65

V. PROTEINS

46. Brunngraber, E. G. & Occomy, W.G.
Fractionation of brain macromolecules. Chromatography on hydroxyapatite of soluble proteins and nucleic acids from whole rat brain and the effect of the effect of autolysis.
Biochem. J. 97(3): 689-96, '65

47. Lajtha, A.
Alteration and pathology of cerebral protein metabolism.
Intern. Rev. Neurobiol. 7: 1-40, '64

48. Taylor, A.C. & Weiss, P.
Demonstration of axonal flow by the movement of tritium-labeled protein in mature optic nerve fibers.

Proc. Nat. Acad. Sci. U. S. A. 54(6): 1521-7, '65

VI. NUCLEIC ACIDS & RELATED COMPOUNDS

49. Gross, C.G. & Carey, F.M.
Transfer of learned response by RNA injection: Failure of attempts to replicate.
Science 150(3704): 1749, '65

50. Kumer, S., et al
Partial purification of guanine deaminase inhibitor from rat brain.
J. Neurochem. 12(12): 1003-4, '65

51 Lewis, J.J., et al.
The influence of hallucinogenic drugs upon in vivo brain levels of adenine nucleotides, phosphocreatine and inorganic phosphate in the rat.
Brit. J. Pharmacol. 25(3): 631-7, '65

52. Pakkenberg, H., et al.
Adenine-H^3 uptake in nervous tissue, including regenerating nerve cells, as compared with other tissues in euthyroid, hypo-and hyperthyroid male rats.
Acta Neurol. Scand. 41(5): 497-512, '65

53. Pevzner, L.Z
Topochemical aspects of nucleic acid and protein metabolism within the neuron-neuroglia unit of the superior cervical ganglion.
J. Neurochem. 12(12): 993-1002, '65

VII. LIPIDS, STEROIDS & RELATED COMPOUNDS

54. Ahmed, K. & Judah, J.D.
Sodium binding by rat brain lipoprotein. (BBA45277)
Biochim. Biophys. Acta 112(1): 58-62, '66

55. Ansell, G.B. & Chojnacki, T.
The incorporation of the phosphate esters of N-substituted aminoethanols into the phospholipids of brain and liver.
Biochem. J. 98(1): 303, '66

56. Beleslin, D., et al.
The effect of leptazol and strychnine or the acetylcholine release from the cat brain.

J. Physiol. 181(2): 308, '65

57. Bogaert, L. van.
Spinal cholesterolosis.
Brain 88(4): 687-96, '65

58. Elmqvist, D. & Feldman, D.S.
Effects of sodium pump inhibitors of spontaneous acetylocholine release at the neuromuscular junction.
J. Physiol. 181(3): 498-505, '65

59. Elmqvist, D. & Feldman, D.S.
Calcium dependence of spontaneous acetylcholine release at mammalian motor nerve terminals.
J. Physiol. 181(3): 487-97, '65

60. Field, R.A. & Adams, L.C.
Insulin response of peripheral nerve. II. Effects on lipid metabolism.
Biochim. Biophys. Acta. 106(3): 474-9, '65

61. Foldes, F.F. & Foldes, V.M.
-Amino fatty acid esters of choline: Interaction with cholinesterase and neuro-muscular activity in man.
J. Pharmacol. Exp. Therap. 150(2): 220-30, '65

62. Gielen, W.
Beitrag zur Chemie der Neuraminsaure.
Hoppe-Seylers' Z. Physiol. Chem. 342(1-3): 170, '65

63. Hubbard, J. I., et al.
The effect of acetycholine upon manmalian motor nerve terminals.
J. Physiol. 181(4): 810-29, '65

64. Johnson, P.V. & Roots, B.I.
The pressence of phosphatidylcholine in neurons isolated from the lateral vestibular nucleus of ox brain.
Biochem. J. 98(1): 157, '66

65. Lunt, G.G. & Rowe, C.E.
Changes in lipid characteristics in brain tissue at 0°.
Biochem, J. 97(3): 38p-39p, '65

66. McHygh, P.R., et al.
Some hormonal responses to electrical selfstimulation in the Macaca

multa.
Am. J. Physiol. 210(1): 109, '66

67. O'Brien, J.S., & Sampson, E.L.
Myelin membrane: A molecular abnormality.
Science 150(3703): 1613-4, '65

68. Polak, R.L.
Effect of hyoscine on the output of acetylcholine into perfused cerebral ventricles of cats.
J. Physiol. 181(2): 317, '65

69. Prasad, K. & MacLcod, D. P.
Effect of hemicholinium No. 3 on the response of frog rectus abdominus muscle to acetylcholine.
Can. J. Physiol. Pharmacol. 44(1): 179, '66

70. Rathbone, L.
The effect of diet on the fatty acid compositions of serum, brain, brain mitochondria and myelin in the rat.
Biochem. J. 97(3): 620-8, '65

71. Rishimoto, Y. & Radin, N.S.
Determination of brain gangliosides by determination of ganglioside stearic acid.
J. Lipid Res. 7(1): 141-5, '66

72. Rosenberg, A. & Stern, N.
Changes in sphingosine and fatty acid components of the ganglioside in developing rat and human brain.
J. Lipid Res. 7(1): 122-31, '66

73. Rumsby, M.G. & Gray, I.K.
A monogalactolipid component in extracts of sheep brain.
J. Neurochem. 12(12): 1005-6, '65

74. Saunders, R.M. & Ballou, C.E.
Biosynthesis of phosphatidyl myoinositol phosphate in rabbit brain.
Biochemistry 5(1): 352, '66

75. Slusher, M.A. & Hyde, J.E.
Effect of diencephalic and midbrain stimulation on ACTH levels in unrestrained cats.
Am. J. Physiol. 210(1): 103, '66

76. Stavinoha, W.B. & Ryan, L.C.
Estimation of the acetylcholine content of rat brain by gas chromatography.
J. Pharmacol. Exp. Therap. 150(2): 231-5, '65

77. Suzuki, K.
The pattern of mammalian brain gangliosides. III. Regional and developmental differences.
J. Neurochem. 12(12): 969-79, '65

VIII. BIOGENIC AMINES

78. Aprison, M.H. & Hingtgen, J.N.
Neurochemical correlates of behavior. IV. Norepinephrine and dopamine in four brain parts of the pigeon during period of stypical behavior following the injection of 5-hydroxytryptophan.
J. Neurochem. 12(12): 959-68, '65

79. Bannister, J. & Mann, P.
An investigation of the adrenergic innervation of the heart and major blood vessels of the frog by Falck's method of fluorescence microscopy.
J. Physiol. 181(2): 13p, '65

80. Bell, C.E. & Somerville, A.R.
A new fluorescence method for detection and possible quantitative assay of some catecholamine and tryptamine derivatives on paper.
Biochem. J. 98(1): 1p, ' 66

81. Bevan, J.A. & Osher, J.V.
Relative sensitivity of some large blood vessels of the rabbit to sympathomimetic amines.
J. Pharmacol. Exp. Therap. 150(3): 370-4, '65

82. Bloom, F.E., et al.
Anesthesia and the responsiveness of individual neurons of the caudate nucleus of the cat to acetylcholine, norepinephrine and dopamine administered by microelectrophoresis.
J. Pharmacol. Exp. Therap. 150(2): 244-52, '65

83. Brune, G.G.
Biogenic amines in mental illness
Intern. Rev. Neurobiol. 8: 197-220, '65

84. Cooper, K.E., et al.
Effects of intraventricular and intrahypothalamic injection of norad-

renaline and 5-HT on body temperature in conscious rabbits.
J. Physiol. 181(4): 852-64, '65

85. Dewhurst, W.G. & Marley, E.
The effects of α-methyl derivatives of noradrenaline, phenylethylamine and tryptamine of the central nervous system of the chicken.
Brit. J. Pharmacol. 25(3): 682-704, '65

86. Dewhurst, W.G. & Marley, E.
Action of sympathomimetic and allied amines on the central nervous system of the chicken.
Brit. J. Pharmacol. 25(3): 705-27, '65

87. Ferrini, R., & Glasser, A.
Antagonism of central effects of tryptamine and 5-hydroxytryptophan by 1, 6-dimethyl-8β-carbovenzyloxy-aminomethyl-10α-ergoline.
Interference with amphetamine and DOPA.
Psychopharmacologia 8(4): 271-6, '65

88. Fischer, J. E. & Snyder, S.
Disposition of norepinephrine-H^3 in sympathetic ganglia.
J. Pharmacol. Exp. Therap. 150(2): 190-5, '65

89. Giller, F.B., et al.
Adrenocortical activity and peripheral adrenergic responses in the cat.
J. Pharmacol. Exp. Therap. 150(2): 203-7, '65

90. Hong, E., et al.
Influence of previous reserpine admistration on the ganglionic action of selected sympathomimetic amines.
Life Sci. 4(24): 2838-92, '65

91. Madras, B.K., & Sourkes, T.L.
Metabolism of α-methyltrytophan.
Biochem. Pharmacol. 14(11): 1499-506, '65

92. Merritt, J.H. & Schultz, E.J.
The effect of decaborane on the biosynthesis and metabolism of norepinephrine in the rat brain.
Life Sci. 5 (1): 27, '66

93. Moore, K.E.
Effects of α-methyrosine on brain catecholamines and conditioned behavior in guinea pigs.
Life Sci. 5 (1): 55, '66

94. Nair, V.
Regional changes in brain servotonin afte head X-irradiation and its significance the potentiation of barbiturate hypnosis.
Nature 208(5017): 1293-4, '65

95. Nelson, J. & Rudzik, A.
The potentiation of the pressor response to tyramine by amphetamine in the anesthetized dog.
J. Pharmacol. Exp. Therap. 150(3): 375-81, '65

96. Norberg, K.A.,
Drug-induced changes in monoamine level in the sympathetic adrenergic ganglion cells and termin A histochemical study.
Acta Physiol. Scand. 65(3): 221-34, '65

97. Parsons, H.
A method for increasing the sensivity of a biological assay of noradrenaline.
J. Physiol. 181(2): 6p, '65

98. Poschel, B.P.H. & Ninteman, F.W.
Hypothalamic self-stimulation: Its suppression by blockade of norepinephrine biosynthesis and reinstatement by melhamphetamine.
Life Sci. 5(1): 11, ' 66

99. Pscheidt, G.R.
Monoamine oxidase inhibitors.
Intern. Rev. Neurobiol. 7: 191-229, '64

100. Schlesinger, K., et al.
Genetics of audiogeneic seizures: I. Relation to brain serotonin and norepinephrine in mice.
Life Sci. 4(24): 2345-51, '65

101. Studnitz, W. & Nyman, G.E.
Excretion of 3, 4-dimethoxyphenylethylamine in schizopherenia.
Acta Psychiat. Scand. 41(1): 117-21, '65

102. Tochino, Y., & Schanker, L.S.
Transport of serotonin and norepinephrine by the rabbit choroid plexus in vitro.
Biochem. Pharmacol. 14(11): 1557-66, '65

103. van de Veerdonk, F.C.G.
Separation method for melatonin in pineal extracts.
Nature 208(5017): 1324-5, '65

104. Weil-Malherbe, H., et al.
Plasma catecholamine levels and urinary excretion of catecholamines and metabolites in two human subjects during a cycle of morphine addiction and withdrawal.
Biochem. Pharmacol. 14(11): 1621-33, '65

IX. NEURO–& PSYCHOTROPIC DRUGS

105. Arieff, A.J. & Mier, M.
Anticonvulsant and psychotropic action of tegretol. A preliminary report.
Neurology 16(1): 107-10, '66

106. Armitage, A. K., et al.
Effects of nicotine and some nicotinelike compounds injected into the cerebral ventricles of the cat.
J. Physiol. 181(2): 30p, '65

107. Avanzino, G.L., et al.
Excitatory action of prostaglandin E1 on brain-stem neurones.
Nature 209(5018): 87-8, '66

108. Blachly, P.H.
Management of the opiate abstinence syndrome.
Am. J. Psychiat. 122(7): 742, '66

109. Burns, B.H.
Preliminary evaluation of new anti-depressant, trimipramine, by a sequential method.
Brit. J. Psychiat. 111(481): 1155-7, '65

110. Carlini, E.A.
Potentiation of histamine and inhibition diamine oxidase by catatonic drugs.
Biochem. Pharmacol. 14(11): 1657-63, '65

111 Carrier, O. & Holland, W.C.
The effect of sodium pentobarbital on the responses to catecholamines in normal and reserpinized dogs.
Can. J. Physiol. Pharmocol. 44(1): 176, '66

112. Cherpillod, C., et al.
Action de quelques tranquillisants sur la motilite pendant le sommeil.
Psychopharmacologia 8(4): 302-8, '65

113. Dewhurst, W.G. & Marley, E.
Methods for quantifying behavior and cerebral electrical activity and the effect of drugs under controlled conditions.
Brit. J. Pharmacol. 25(3): 671-81, '65

114. Ditman, K.S. & Crawford, G.G.
The use of court probation in the mangement of the alcohol addict.
Am J. Psychiat. 122(7): 757, '66

115. Domino, E.F., et al.
Effects of psychoactive agents on acquisition of conditioned pole jumping in rats.
Psychopharmacologia 8 (4): 285-9, '65

116. Everitt, B.J., et al.
The sedative and anticonvulsant activity of some substituted pyrrolidones and piperidones.
Brit. J. Pharmacol. 25(3): 790-99, '65

117. Gage, P.W.
The effect of methyl, ethyl and n-propyl alcohol on neuromuscular transmission in the rat.
J. Pharmacol. Exp. Therap. 150(2): 236-43, '65

118. Geffen, L.B.
The effect of desmethylimipramine upon the overflow of sympathetic transmitter from the cat"s spleen.
J. Physiol. 181(2): 69p, '65

119. Geller, L.M., et al.
Effect of antimetabolite, 6-aminonicotinamide, on sound-induced seizures in mice.
Exp. Neurol. 14(1): 86, '66

120. Ginsborg, B.L.
The actions of McN-A-343, pilocarpine and acetyl-β-methylcholine on sympathetic ganglion cells of the frog.
J. Pharmacol. Exp. Therap. 150(2): 216-9, '65

121. Greenough, W.T., & McGaugh, J.L.
The effect of strychine sulphate on learning as a function of time of administration.
Psychopharmacologia 8(4): 290-4, '65

122. Guth, P.S. & Spirtes, M.A.
The phenothiazine tranquilizers: Biochemical and biophysical actions.

Intern. Rev. Neurobiol. 7: 231-278, '64

123. Hall, G.H. & Reit, E.
Analysis of some actions of nicotine injected into the cerebral ventricles of cats.
J. Physiol. 181(2): 29p, '65

124. Heimstra, N.W., & Sallee, S.J.
Effects of early drug treatment on adult dominance behavior in rats.
Psychopharmacologia 8(4): 235-40, '65

125. Hellekant, G.
The effect of ethyl alcohol on non-gustatory receptors of the tounge of the cat.
Acta Physiol. Scand. 65(3): 243-50, '65

126. Janku, I., et al.
Studies on 6-azauridine and 6-azacytidine. II. The effects of 6-azauridine on the central nervous system.
Biochem. Pharmacol. 14(11): 1525-36, '65

127. Janku, I., et al.
Studies on 6-azauridine and 6-azacytidine IV. Correlations between metabolism and central nervous effects of 6-azacytidine.
Biochem. Pharmacol. 14(11): 1545-8, '65

128. Janssen, P.A.J.
The evolution of the Butyrophenones, Haloperidol and Trifluperidol, from Meperiodine-like 4-phenylpiperidines.
Intern. Rev. Neurobiol. 8: 221-263, '65

129. Jeweet, R.E. & Norton, S.
Effect of tranquilizing drugs on postnatal behavior.
Exp. Neurol. 14(1): 33, '66

130. Kardener, S.H.,
Acute brain syndrome with florid psychosis from combined desipamine imipramine therapy.
Am. J. Psychiat. 122(7): 814, '66

131. Kornetsky, C., & Bain, G.
The effect of chlorpromazine and pentobarbital on sustained attention in the rat.
Psychopharmacologia 8(4): 277-84, '65

132. Kurland, A.A., et al

Urine detection tests in the management of the narcotic addict.
Am. J. Psychiat. 122(7): 737, '66

133. Labos, E.
Evidence of complex formation between chlorpromazine and different xanthene dyes.
Nature 209(5019): 201, '66

134. Levy, J. V. & Richards, V.
Inotropic and metabolic effects of three beta-adrenergic receptor blocking drugs on isolated rabbit left atria.
J. Pharmacol. Exp. Therap. 150(3): 361-9, '65

135. Lotti, V. J., et al.
N-allylnormorphin antagonism of the hypothermic effect of morphine in the rat following intracerebral and systemic administration.
J. Pharmacol. Exp. Therap. 150(3): 420-5, '65

136. McGaugh, J.L. & Petrinovich, L.F.
Effects of drugs on learning and memory.
Intern. Rev. Neurobiol. 8: 139-196, '65

137. Moore, R.A.
Legal responsibility and chronic alcoholism.
Am. J. Psychiat. 122(7): 748, '66

138. Niemegeers, C.J.E., & Janssen, P.A.J.
A comparative study of inhibitory effects of haloperidol and trifluperidol on learned shock-avoidance behavioural habits and on apomorphine-induced emesis in mongrel dogs and in beagles.
Psychopharmacologia 8(4): 263-70, '65

139. Pechan, I.
Effects of psychopharmacological agents of brain metabolism. II. Influence of imipramine and prothiadene on the free nucleotide level of rat brain.
Biochem. Pharmacol. 14(11): 1651-5, '65

140. Pilkington, T.R.E., et al.
Effect of sympathomimetic compounds with β-adrenergic effects on plasma free fatty acids in man.
J. Lipid Res. 7(1): 73-6, '66

141. Putnam, P.L. & Ellinwood, E.H.
Narcotic addiction among physicians: A ten year follow-up.
Am. J. Psychiat. 122(7): 745, '66

142. Rudzik, A.D. & Mennear, J.H.
The mechanism of action of anticonvul sants. I. Diphenylhydantion.
Life Sci. 4(24): 2373-82, '65

143. Samuel, G.K., et al.
Effects of scopolamine and atropine and their quaternized salts on avoidance behaviour in the monkey.
Psychopharmacologia 8(4): 295-301, '65

144. Schbesinger, K.
Genetic an biochemical correlates of alcohol preference in mice.
Am. J. Psychiat. 122(7): 767, '66

145. Selzer, M.L. & Weiss, S.
Alcoholism and traffic fatalities: Study in futility.
Am. J. Psychiat. 122(7): 762, '66

146. Sjoberg, B. M., & Hollister, L.E.
The effects of psychotomimetic drugs of primary suggestibility.
Psychopharmacologia 8(4): 251-62, '65

147. Stumpf, Ch.
Drug action on the electrical activity of the hippocampus.
Intern. Rev. Neurobiol. 8: 77-138, '65

148. Talland, G.A., & Auarton, G.C.,
Methamphetamine and pentobarbital effects on human motor performance.
Psychopharmacologia 8(4): 241-50, '65

149. Tanaka, K. & Marrazzi, A.S.
Primate cerebral synaptic inhibition by drugs.
Proc. Soc. Exp. Biol. Med. 120(3): 669-70, '65

150. Tanaka, K. & Yamasaki, M.
Blocking of cortical inhibitory synapses by intra-venous eidocaine.
Nature 209(5019): 207, '66

151. Tursky, T., et al.
Effects of psychopharmacological agents in brain metabolism. 1. Effects of imipramine and prothiadene upon consumption of oxygen and the uptake and incorporation of L-phenylalanine into proteins and lipids of brain slices.
Biochem. Pharmacol. 14(11): 1645-9, '65

152. Vaillant, G.

A twelve-year follow-up of New York narcotic addics: I. The relation of treatment to outcome.
Am. J. Psychiat. 122(7): 737, '66

153. Werboff, J.
Tranquillizers in pregnancy and behavioural effects on the offspring.
Nature 209(5018): 110, '66

154. Winters, W.D. & Spooner, C.E.
A neurophysiological comparison of alpha-chloralose with gamma-hydroxybutyrate in cats.
Electroencephalog. Clin. Neurophysiol. 20(1): 83-90, '66

X. SUBCELLVLAR UNITS

155. Chang, C.C. & Chang, J.C.
A change in the subcellular distribution of noradrenaline in the rat isolated vas deferens effected by nerve stimulation.
Brit. J. Pharmacol. 25(3): 758-62, '65

156. Clayton, P.A. & Rowe, C.E.
The metabolism of phospholipids in brain subcellular fractions in intact tissue.
Biochem. J. 97(3): 39p, '65

157. Datta, R.K. & Chosh, F.
Action of strychnine and picrotoxim on ribosomal particles of brain cortix tissue.
J. Pharmacol. Exp. Therap. 150(3): 449-54, '65

158. Haber, B. & Kamano, A.
Sub-cellular distribution of serotonin in the developing rat brain.
Nature 209(5021): 404, '66

159. Hamberger, B. & Norberg, K.-A.
Studies on some systems of adrenergic synaptic terminals in the abdominal ganglia of the cat.
Acta Physiol. Scand. 65(3): 235-42, '65

160. Holtzman, E. & Novikoff, A.B.
Lysosomes in the rat sciatic nerve following crush.
J. Cell Biol. 27(3): 651-69, '65

161. Kai, M. & Hawthrone, J.N.
Incorporation of injected [^{32}p] phosphate into the phosphoinositides

of subcellular fraction from young rat brain.
Biochem. J. 98(1): 62, ' 66

162. Kurokawa, M., et al.
Distribution of sodium-plus-potassium-stimulated adenosine-triphosphatase activity in isolated nerve-ending particles.
Biochem. J. 97(3): 833-44, '65

163. Mangan, J.L. & Whittaker, V.P.
The distribution of free amino acids in subcellular fractions of guinea-pig brain.
Biochem. J. 98(1):128, '66

164. Masuoka, D.
Monoamines in isolated nerve ending particles.
Biochem. Pharmacol. 14(11): 1688-9, '65

165. Stjarne, L. & von Euler, U.S.
Stereospecificity of amine uptake mechanism in nerve granules.
J. Pharmacol. Exp. Therap. 150(3): 335-40, '65

XI. ENZYMES & COFACTORS

166. Amore, G. & Bonavita, V.
Aspartate aminotransferase in the brain of the developing rat.
Life Sci. 4(24): 2417-24, '65

167. Bernsohn, J. & Barron, K. D.
Multiple molecular forms of brain hydrolases.
Intern. Rev. Neurobiol. 7: 297-344, '64

168. Bignami, A. & Palladini, G.
Experimentally produced cerebral status spongiosus and continuous pseudorhythmic electroencephalographic discharges with membrane-ATPase inhibitor in the rat.
Nature 209(5021): 413, '66

169. Dutsch, J.A., et al.
Anticholinesterase-induced amnesia and its temporal aspects.
Science 151(3707): 221-3, '66

170. Kanungo, M.S. & Singh, S.N.
Effect of age on the isozymes of lactic dehydrogenase of the heart and the brain of rat.
Biochem. Biophys. Res. Commun. 21(5): 454-9, '65

171. Kraml, M.
A rapid microfluorimetric determination of monoamine exidase.
Biochem. Pharmacol. 14(11): 1684-6, '65

172. Lewis, P.R.
The histochemical location of cholinesterase.
J. Physiol. 181(2): 23p, '65

173. Lewis, P.R., et al.
The electron-microscopic distribution of cholinesterase in rat brain.
J.Ph ysiol. 181(2): 15p, '65

174. McCaman, R.E.
Microdetermination of catechol-O-methyl transferase in brain.
Life Sci. 4(24): 2353-9, '65

175. Meldrum, B.S.
The actions of snake venoms on nerve and muscle. The pharmacology of phospholipase A and of polypeptide toxins.
Pharmacol. Rev. 17(4): 393-445, '65

176. Nielsen, B.
The blood vitamin B_{12} concentration of older patients admitted to a neurological department.
Acta Neurol. Scand. 41(5): 513-26, '65

177. Peters, R.A., et al.
The effect of Cu^{2+} on the membrane ATPase and its relation to the initiation of convulsions.
J. Physiol. 181(2): 27p, '65

178. Rowland, L.P., et al
The clinical diagnosis of McArdle's disease: Identification of another family with deficiency of muscle phosphorylase.
Neurology 16(1): 93-100, '66

179. Scott, T.G.
The specificity of 5'-nucleotidase in the brain of the mouse.
J. Histochem. Cytochem. 13(8): 657-67, '65

180. Shanthaveerappa, T.R. & Bourne, G.H.
The thiamine pyrophosphatase technique as an indicator of the morphology of the Golgi apparatusin the neurons. III. Studies on the olfactory bulb.
Exp. Cell Res. 40(2): 292-300, '65

181. Shimazu, T., & Fukuda, A.
Increased activities of glycogenolytic enzymes in liver after splanchnic-nerve stimulation.
Science 150(3703): 1607-8, '65

182. Syner, F.N. & Goodman, M.
Differences in the lactic dehydrogenases of primate brains.
Nature 209(5021): 426, '66

XII. METABOLISM

183. Brebbia, D.R. & Altshuler, K.Z.
Oxygen consumption rate and electroencepha-lographic stage of sleep.
Science 150(3703): 1621-3, '65

184. Skolnik, J., et al
In vitro oxygen consumption of slices from kidney, brain, cortex, and liver in hypoxia.
Nature 209(5020): 305, '66

DEVELOPING BRAIN

Galesburg State Research Hospital, Thudichum Psychiatric Research Laboratory から Williamina A. Himwich の編集のもとに発行されている Developing Brain, 11号(October, 1965), 12号(December, 1965)及び13号(February, 1966)を以下に転載する。

No. 11 October, 1965

"The scientific administrator, scientist or not, must reconnoiter the future, fend off and answer the loyal opposition, overcome indwelling inertia, estimate and justify budget and manpower needs. He must, moreover, manage these and a host of associated functions while creating methods, operating procedures, and organization, and relations within that organization, that will allow the imposed 'variables' to approach as nearly as possible the 'constant' of scientific creativity and accomplishment."

James A. Shannon, MD, Director, National Institutes of Health, in U.S. MEDICINE, April 1, 1965.

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(1) Barnet, A. B. and Goodwin, R. S. Averaged evoked electroencephalographic responses to clicks in the human newborn. Electroenceph. clin. Neurophysiol., 18: 441-450, 1965. (2) Barnet, A. B., Lodge, A. and Armington, J. C. Electroretinogram in newborn human infants. Science, 148: 651-654, 1965. (3) Aherne, W. and Dawkins, M. J. R. The removal of fluid from the pulmonary airways after birth in the rabbit, and the effect on this of prematurity and pre-natal hypoxia. Biol. Neonat., 7: 214-229, 1964. (4) Young, R. D. Effect of tranquilization of neonatal rats on later behavior. The Psychological Record, 15: 401-407, 1965. (5) Nyhan, W. L. and Lampert, F. Response of the fetus and newborn to drugs. Anesthesiology, 26: 487-500, 1965. (6) Spencer, R. P. and Coulombe, M. J. Fetal weight--gestational age relation-ship in several species. Growth, 29: 165-

171, 1965. (7) Beard, J. B. and Barboriak, J. J. Plasma lipids of dogs during and after chronic ethanol administration. Proc. Soc. Exp. Biol. Med., 118: 1151-1154, 1965. (8) Haworth, J. C. Carbohydrate metabolism in the fetus and the newborn. Pediat. Clin. N. Am., 12: 573-584, 1965. (9) Rhodes, A. J. and Hyde, J. B. Postnatal growth of arterioles in the human cerebral cortex. Growth, 29: 173-182, 1965. (10) Scriver, C. R. Screening newborns for hereditary metabolic disease. Pediat. Clin. N. Am., 12: 807-821, 1965. (11) Alagille, D. Les anomalies congenitales du metabolisme de la bilirubine. Extrait de la Revue Francaise D'etudes Cliniques et Biologiques, 10: 355-361, 1965. (11) Alagille, D. Les anomalies congenitales du metabolisme de la bilirubine. Extrait de la Revue Francaise D'etudes Cliniques et Bioogiques, 10: 355-361, 1965. (12) Sanner, J. H. and Woods, L. A. Comparative distribution of tritium-labeled dihydromorphine between maternal and fetal rats. J. Pharmacol. Exp. Therap., 148: 176-184, 1965. (13) Scott, J. M. Histological observations on glycogen reserves of the foetus and newborn infant. Arch. Dis. Childh., 40: 317-322, 1965. (14) Rosen, M. G. and Satran, R. Neonatal electroencephalography. Am. J. Obstet. Gynecol., 89: 619-625, 1964. (15) Rosen, M. G. and Satran, R. Neonatal electroencephalography. II. The EEG of the high risk infant. Am. J. Obstet. Gynecol., 92: 247-252, 1965. (16) Osterberg, K. A. and Wattenberg, L. W. Enzyme induction in immature glia. Proc. Soc. Exp. Biol. Med., 118: 477-479, 1965. (17) McColl, J. D., Globus, M. and Robinson, S. Effect of some therapeutic agents on the developing rat fetus. Toxicol. Appl. Pharmacol., 7: 409-417, 1965. (18) Stempak, J. G. Etiology of antenatal hydrocephalus induced by folic acid deficiency in the albino rat. Anat. Rec., 151: 287-296, 1965. (19) Platt, B. S., Pampiglione, G. and Stewart, R. J. C. Experimental protein-calorie deficiency: Clinical electroencephalographic and neuropathological changes in pigs. Develop. Med. Child Neurol., 7: 9-26, 1965. (20) Wells, W. W., Pittman, T. A., Wells, H. J. and Egan, T. J. The isolation and identification of galactitol from the brains of galactosemia patients. J. Biol. Chem., 240:

1002-1004, 1965. (21) Gerritsen, T. and Waisman, H. A. Homocystinuria: Absence of cystathionine in the brain. Science, 145: 588, 1964. (22) Chaloupka, Z., Rokyta, R. and Reinis, S. Quelques correlations morphophysiologiques du developpement du cortex sensorimoteur. J. Physiol. (Paris), 56: 544-545, 1964. (23) Dwornik, J. J. and Moore, K. L. Skeletal malformations in the Holtzman rat embryo following the administration of thalidomide. J. Embryol. exp. Morph., 13: 181-193, 1965. (24) Fjerdingstad, E. J., Nissen, Th. and Røigaard-Petersen, H. H. Effect of ribonucleic acid (RNA) extracted from the brain of trained animals on learning in rats. Scand. J. Psychol., 6: 1-6, 1965. (25) Kelly, J. W., Parker, J. C., Jr. and Porterfield, J. M. Studies on the mechanism of typan blue-induced congenital malformations. I. Dye fractions and fetal anomalies. Exp. Molec. Path., 3: 262-278, 1964. (26) Langdell, J. I. Phenylketonuria. Arch. Gen. Psychiat., 12: 363-367, 1965. (27) Miller, F.S. and Miller, J. A., Jr. Body temperature and tolerance of asphyxia in newborn kittens. The Bulletin of the Tulane University Medical Faculty, 24: 197-210, 1965. (28) Rapaport, A., Allaire, Y., Bourliere, F. and Girard, F. Reactivite au "stress" et capacite d'adaptation a une situation inhabituelle chez le rat jeune, adulte et age. Gerontologia, 10: 20-30, 1964/65. (29) Rapaport, A. and Bourliere, F. Peut-on modifier la dominance d'un membre effecteur sur son homologue du cote oppose chez la Rat age? Gerontologia, 8: 156-167, 1963. (30) Reinis, S. The quantitative analysis of morphological changes in the brain cortex during the ontogenesis of rats. Morfologie, 12: 283-291, 1964. (31) Slotta, K. H. Mitochondrial coenzyme Q_{10} in rats of various ages. J. Gerontol., 20: 165-168, 1965. (32) Wiederholt, W. C. and Mulder, D. W. Cerebrospinal fluid findings in the landry-guillain-barre-strohl syndrome. Neurology, 15: 184-187, 1965.

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CALLING ATTENTION TO:

The problems of arranging meetings and also of giving papers are always with us. Even those of us who have given papers for many years can benefit

by occasionally reviewing the necessary steps in delivering a good paper. An excellent summary was carried in the C.I.O.M.S. NEWSLETTER for July, 1959 entitled "Congressmanship: How to Give a Paper". Equally good suggestions for the administration of an International Congress were made in the C.I.O.M.S. NEWSLETTER for July, 1965. This issue considers specifically the problem of interpretation including choice of languages, financial aspects, documentation and preparation.

A new Elsevier Journal BRAIN RESEARCH will start appearing in 1966 at at a monthly interval. The following disciplines will be considered to fall within its scope: neuroanatomy, neurochemistry, neurophysiology, neuroendocrinology, neuropharmacology, neurocommunications, behavioural sciences, molecular neurology, biocybernetics.

A Journal of Primatology has been started by the Japan Monkey Centre, 26 Kanrin, Inuyama, Aichi-pref., Japan. It will cover all phases of research on primates.

The Society for the Study of Development and Growth has received a National Science Foundation grant to sponsor regional conferences on developmental biology. Further information concerning these conferences may be obtained from the Program Chairman, A. C. Clement, Department of Biology, Emory University, Atlanta 22, Georgia.

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NIH GRANTS:

Developing Brain & Phosphoethanolamine Metabolism. $14,320--Maynard M. Cohen, Presbyterian-St. Luke Hospital, Chicago.

Basic Neuromuscular & Muscle Embryological Studies. $8,215--Bernard R. Landau, Western Reserve.

No. 12 December, 1965

SEASONS GREETING! This issue of the newsletter marks the end of the second year of publication. Our mailing list is now 410, and we have been pleased to have many colleagues comment on the usefulness of the publication. Suggestions, additions, and items for inclusion are always welcome. Our back backlog of references has grown so large that an extra sheet is included.

CALLING ATTENTION TO:

An erro was made in the newsletter for October, 1965, in regard to the JOURNAL OF PRIMATOLOGY. The title of this journal is PRIMATES JOURNAL OF PRIMATOLOGY.

The International Primatological Society will meet July 27-28-29 and 30, 1966 at the Universit of Frankfurt, Frankfurt/Main, Germany. Questions concerning the Society or the program and meeting can be answered by Dr. C. R. Carpenter, the Pennsylvania State University, 214 Burrowes Building, University Park, Pennsylvania.

Dr. Stephen P. Coburn, Director, Biochemistry Department, Fort Wayne State Hospital and Training Center, 801 East State Boulevard, Fort Wayne, Indiana, 46805 is anxious to learn of the experiences of others in metabolic wards for mentally retarded or mentally disturbed patients.

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NEW BOOKS:

International Series of Monographs on Cerebrovisceral and Behavioral Physiology and Conditione Reflexes. Dr. S. A. Corson, Editor. Pergamon Press, Volume 1, Translation of Compensatory Adaptations, Reflex Activity, and the Brain, by Professor E. A. Asratian. Volume 2 translation of The Corticovisceral Theory of the Pathogenesis of Peptic Ulcer by Bykov and Kurtsin. In press.

Birth Defects: Abstracts of Selected Abstracts can be obtained by subscription ($5.00) from The National Fohndation, Supply Division, 800 Second Avenue, New York, New York, 10017.

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NEW ADDRESSES:

Dr. D. J. Ehrlich, 455 Schermerhorn, Columbia University, New York, New York, 10027.

Dr. Antonia Vernadakis, Department of Physiology, University of Calif California, Berkeley, California, 94720.

Dr. Stanley M. Crain, Department of Physiology, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, New York, 10461.

Dr. Gunter Rose, Nebraska Psychiatric Institute, The University of Nebraska, College of Medicine, 602 South 44th Avenue, Omaha 5, Nebraska.

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REGIONAL CONFERENCES IN DEVELOPMENTAL BIOLOGY sponsored by THE SOCIETY FOR DEVELOPMENTAL BIOLOGY.

The Society for Developmental Biology has a limited sum available annually, through the National Science Foundation, for the support of regional conferences in Developmental Biology. These conferences, usually four or five in number, and held in widely separated parts of the nation, are intended principally for the interest and stimulation of graduate students and young investigators in Developmental Biology, especially those somewhat removed from metropolitan areas and who are therefore not able to attend many meetings of national caliber. Although there has been variation in program composition of the regional meetings in the past, most of them have encouraged the individual participation of graduate students and young investigators. The funds to a considerable extent have been used to defray the expenses of graduate students and young investigators in attending these meetings; in some instances part of the funds has been used to defray the expenses of one or more eminent invited great participants from outside the conference region.

Conference regions have purposely been only very loosely defined in or order to permit adaptation to changing needs from year to year. In very general terms, however, they have usually been thought of as the west Coast, the Northeast, the Southeast, the Middlewest, and the Southwest or Rocky Mountain area.

Anyone interested in the possibility of organizing in regional conference for 1966 or 1967 is invited to write to the chairman of the Society's Regional Conference Committee: A. C. Clement, Department of Biology, Emery

University, Atlanta, Georgia 30322.

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(1) Eidelberg, E., Kolmodin, G. M. and Meyerson, B. A. Ontogenesis of steady potential and direct cortical response in fetal sheep brain. Exp. Neurol., 12: 198-214, 1965. (2) Lipton, E. L., Steinschneider, A. and Richmond, J. B. The autonomic nervous system in early life. New Eng. J. Med., 273: 201-208, 1965. (3) Horsten, G. P. M. and Winkelman, J. E. The electric activity of the eye in the first days of life. Acta Physiol. Pharmacol. Neerl., 13: 1-2, 1965. (4) Crain, S. M. and Bornstein, M. B. Bioelectric activities of neonatal mouse cerebral cortex during growth and differenctiation in tissue culture. Clin. Neurophysiol. EEG EMG, 449-451, 1965. (5) Barany, M., Tucci, A. F., Barany, K., Volpe, A. and Reckard, T. Myosin of newborn rabbits. Arch. Biochem. Biophys., 111: 727, 1965. (6) Torvik, A. and Sidman, R. L. Autoradiographic studies on lipid synthesis in the mouse brain during postnatal development. J. Neurochem., 12: 555-565, 1965. (7) Ittyerah, T. R., Pereira, S. M. and Dumm, M. E. Serum amino acids of children on high and low protein intakes. Am. J. Clin. Nutrition, 17: 11-14, 1965. (8) Dickinson, J. C., Rosenblum, H. and Hamilton, P. B. Ion exchange chromatography of the free amino acids in the plasma of the newborn infant. From: The Alfred I. du Pont Institute and the Wilmington General Hospital, Wilmington, Delaware. (9) Dickinson, J. C., Rosenblum, H. and Hamilton, P. B. Ionexchange chromatography of the free amino acids in the plasma of the newborn infant. Pediatrics, 36: 2-13, 1965. (10) Jakovcic, S. Lipid metabolism in the developing fetus and the newborn. Pediat. Clin. N. Am., 12: 585-594, 1965.

(11) Singh, U. N. Synthesis of ribonucleic acid in developing rat brain in vitro. Nature, 206: 1115-1117, 1965. (12) Rosenkrantz, J. G., MacMahon, R., Frost, W. W., Paton, B. C. and Swan, H. Extracorporeal circulation in puppies. Arch. Surg., 91: 513-515, 1965. (13) Scriver, C. R. Hartnup disease: A genetic modification of intestinal and renal transport

of certain neutral alpha-amino acids. New Eng. J. Med., 273: 530-532, 1965. (14) Karrer, R. and Cahilly, G. Experimental attempts to produce phenylketonuria in animals. Psychol. Bull., 64: 52-64, 1965. (15) Brenneman, A. R. and Kaufman, S. Characteristics of the hepatic phenylalanine-hydroxylating system in newborn rats. J. Biol. Chem., 240: 3617-3622, 1965. (16) Thompson, W. R. and Kano, K. Effects on rat offspring of maternal phenylalanine dietduring pregnancy. J. Psychiat. Res., 3: 91-98, 1965. (17) Hyden, H. and Lange, P. W. A differentiation in RNA response in neurons early and late during learning. Proc. Natl. Acad. Sci., 53: 946-952, 1965. (18) Pampiglione, G. Brain development and the E.E.G. of normal children of various ethnical groups. Brit. Med. J., 2: 573-575, 1965. (19) Vos, J. and van der Helm, H. J. Some biochemical aspects of the developing rabbit and chick brain. Acta Physiol. Pharmacol. Neerl., 13: 1965. (20) van den Berg, C. J. and van Kempen, G. M. J. The activity of glutamate decarboxylase (GAD) and gamma-aminobutyrate transaminase (GABAT) during the postnatal development of mammaliam brain. Acta Physiol. Pharmacol. Neerl., 13: 1965.

(21) Schade, J. P. Differential development of some electrical parameters in the rabbit cerebral cortex. Acta Physiol. Pharmacol. Neerl., 13: 1965. (22) Drukker, J. and Schade, J. P. Enzyme histochemistry of the developing cerebral cortex of the rabbit. Acta Physiol. Pharmacol. Neerl., 13: 1965. (23) Pozsonyi, J. and Gibson, D. Biochemical consequences of supernumerary chromosome subtype in mongolism. Am. J. Ment. Def., 70: 213-217, 1965. (24) Frimpter, G. W. Cystathioninuria: Nature of the defect. Science, 149: 1095-1096, 1965. (25) Hutchinson, J. H. and Labby, D. H. Development of urea-cycle enzymes in the juvenile rat: effect of long-term administration of L-monosodium glutamate and ammonium acetate. Am. J. Digest. Diseases, 10: 814-825, 1965. (26) Kishimoto, Y., Davies, W. E. and Radin, N. S. Turnover of the fatty acids of rat brain gangliosides, glycerophosphatides, cerebrosides, and sulfatides as a function of age. J. Lipid Res., 6: 525-531, 1965.

(27) Kishimoto, Y., Davies, W. E. and Radin, N. S. Developing rat brain: changes in cholesterol, galactolipids, and the individual fatty acids of gangliosides and glycerophosphatides. J. Lipid Res., 6: 532-536, 1965, (28) Mourek, J. Concerning the metabolic substrate of central nervous activity during early postnatal development of the rat. The effect of lactate on oxygen consumption in nervous tissue. Physiol. Bohemoslov., 14: 379-382, 1965. (29) Nadler, R. D. A simplified cannula system for implanting and injecting chemicals into the brains of small animals. E Electroenceph. clin. Neurophysiol., 19: 312-313, 1965. (30) Sedlacek, J. and Macek, O. D. C. potential and high frequency impedance of the cerebral hemispheres in guinea-pig fetuses in the perinatal period. Physiol. Bohemoslov., 14: 371-378, 1965.

(31) Raisler, R. L. and Harlow, H. F. Learned behavior following lesions of posterior association cortex in infant immature, and preadolescent monkeys. J. Comp. Physiol. Psychol., 60: 167-174, 1965.
(32) Siek, T. J. and Newburgh, R. W. Phospholipid composition of chick brain during development. J. Lipid. Res., 6: 552-555, 1965.
(33) Siek, T. J. and Newburgh, R. W. Origin of phospholipids in the chick embryo during development. J. Lipid Res., 6: 556-564, 1965.
(34) Mosier, H. D., Jr., Grossman, H. J. and Dingman, H. F. Physical growth in mental defectives: A study in an institutionalized population. Pediatrics, 56: 465-519, 1965. (35) Sutherland, J. M. and Light, I. J. The effect of drugs upon the developing fetus. Pediat. Clin. N. Am., 12: 781-806, 1965. (36) Hicks, S. P. and D'Amato, C. J. Effects of ionizing radiations on mammalian development. In Advances in Teratology, D. H. M. Woollam, Ed., Logos Press, Ltd., London, In press. (37) Functional and metabolic development of the central nervous system. Supplement 3/1961. P. Sobotka, Ed., Statni Pedagogicke Nakladatelstvi. Prague, 1961 (From the International Symposium on the "Functional and Metabolic Development of the Central Nervous System" took place in Plzen, Czechoslovakia on September 7, 1960). (38) Woolley, D. W. and Gommi, B. W. Serotonim receptors,

IV. Specific deficiency of receptors in galactose poisoning and its possible relationship to the idiocy of galactosemia, Proc. Natl. Acad. Sci., 52: 14-19, 1965. (39) Wu, C. Glutamine synthetase. III. Factors controlling its activity in the developing rat. Arch. Biochem. Biophys., 106: 394-401, 1964. (40) Suzuki, K., Katzman, R. and Korey, S. R. Chemical studies on alzheimer's disease. J. Neuropathol. Exp. Neurol., 24: 211-224, 1965.

(41) Eccles, R. M. and Willis, W. D. The effect of repetitive stimulation upon monosynaptic transmission in kittens. J. Physiol., 176: 311-321, 1965. (42) Perry, T. L., Ling, G. M., Hansen, S. and MacDougall, L. Unimpaired learning ability of rats made artificially phenylketonuric during fetal or neonatal life. Soc. Exp. Biol. Med., 119: 282-287, 1965. (43) Abdel_Latif, A. A. and Abood, L. G. Incorporation of ortho (^{32}p) phosphate into the subcellular fractions of developing rat brain. J. Neurochem., 12: 157-166, 1965. (44) Chen, H-C, Lien, I-N and Lu, T-C Kernicterus in newborn rabbits. Am. J. Pathol., 46: 331-343, 1965. (45) Vernadakis, A. and Woodbury, D. M. Cellular and extracellular spaces in developing rat brain. Arch. Neurol., 12: 284-293, 1965. (46) Gonatas, N. K. and Gonatas, J. Ultra-structural and biochemical observations on a case of systemic late infantile lipidosis and its relationship to Tay-Sachs disease and gargoylism. J. Neuropathol. Exp. Neurol., 24: 318-340, 1965. (47) Langdell, J. I. Part II. Childhood and adolescence. Phenylketonuria. In Current Psychiatric Therapies, 5: 49-56, J. H. Masserman, Editor, Grune & Stratton, Inc., New York, 1965, (48) Rose, G. H. and Lindsley, D. B. Visually evoked electrocortical responses in kittens: development of specific and nonspecific systems. Science, 148: 1244-1246, 1965. (49) Austin, J. H. and Lehfeldt, D. Studies in globoild (Krabbe) leukodystrophy. III--Significance of experimentally-produced globoid-like elements in rat white matter and spleen. J. Neuropathol. Exp. Neurol., 24: 265-289, 1965. (50) Young, M. The pattern of arterial pressure responses to a reduction in pulse pressure in the kitten. J. Physiol., 178: 4-6, 1965.

(51) Birns, B. Individual differences in human neonates' responses to stimulation. Child Develop., 30: 249-256, 1965. (52) Bridger, W. H., Birns, B. M. and Blank, M. A comparison of behavioral ratings and heart rate measurements in human neonates. Psychosom. Med., 27: 123-134, 1965. (53) Ledeen, R., Salsman, K., Gonatas, J. and Taghavy, A. Structure comparison of the major monosialogangliosides from brains of normal human, gargoylism, and late infantile systemic lipidosis. Part I. J. Neuropathol. Exp. Neurol., 24: 341-351, 1965. (54) Chiakulas, J. J. and Pauly, J. E. A study of postnatal growth of skeletal muscle in the rat. Anat. Rec., 152: 55-62, 1965. (55) Taft, P. D., Dodge, P. R. and Atkins, L. Mental retardation and multiple congenital anomalies. Am. J. Diseases Children, 109; 554-557, 1965. (56) Aleu, F. P., Terry, R. D. and Zellweger, H. Electron microscopy of two cerebral biopsies in gargoylism. J. Neuropathol. Exp. Neurol., 24: 304-317, 1965

No. 13 February, 1966

The problems involved in priority and the reasonable way in which they can be solved is discussed by Dr. Irvine H. Page, Director, Research Division, Cleveland Clinic, Cleveland, Ohio, In his usual lucid style in an editorial in SCIENCE for January 7, 1966. In summary he says "The solution of the problem is not, I believe, too difficult. Let us agree on several simple points: (i) In order for a published paper to qualify as the basis of credit for a discovery, enough data must be presented so that the results cna be reproduced; (ii) Publication must be in a journal with reasonably acceptable editorial supervision; and (iii) the date of receipt and the date of acceptance of the manuscript must both appear. (iv) Lastly, let those of us who refer to the work of others, especially when we say "first", do so with more than usual care. If we do, we will all sleep better, and rightly so; priority will no longer be a dirty word."

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(1) Stave, U. Age-dependent changes of metabolism. II. Influences of hypoxia on tissue enzyme patterns of newborn and adult rabbits. Biol. Neonat., 8: 114-130, 1965. (2) Castellion, A. W., Swinyard, E. A. and Goodman, L. S. Effect of maturation on the development and reproducibility of audiogenic and electroshock seizures in mice. Exp. Neurol. 13: 206-217, 1965. (3) Dobbing, J. and Widdowson, E. M. The effect of undernutrition and subsequent rehabilitation on myelination of rat brain as measured by its composition. Brain, 88: 357-365, 1965. (4) Younger, R. L. Probable induction of congenital anomalies in a lamb by apholate. Am . J. Vet. Res., 26: 991-995, 1965. (5) Kruyff, E. Occipital dysplasia in infancy. Radiology, 85: 501-507, 1965. (6) Lagnado, J. R. and Hardy, M. A comparative study of brain esterases during development. Abstracts of International Neurochemical Conference, Oxford, July 25-30, 1965, pp. 64-65. (7) Mosier, H. D., Jr., Grossman, H. J. and Dingman, H.F. Physical growth in mental defectives: A study in an institutionalized polulation. Supplement to Pediatrics, 36: 465-519, 1965. (8) Sutherland, J. M. and Light, I. J. The effect of drugs upon the developing fetus. Pediat. Clin. N. Am., 12: 781-806, 1965. (9) Hon, E. H., Lee, S. T. The fetal electrocardiogram. III. Display techniques. Am. J. Obstet. Gynecol., 91: 56-60, 1965. (10) Van der Loos, H. The "improperly" oriented pyramidal cell in the cerebral cortex and its possible bearing on problems of neuronal growth and cell orientation. Bull. Johns Hopkins Hosp., 117: 228-250, 1965.

(11) Davis, J. A., Harvey, D. R. and Yu, J. S. Neonatal fits associated with hypomagnesaemia. Arch. Dis. Childh., 40: 286-290, 1965. (12) Hill, J. R. and Rahimtulla, K. A. Heat balance and the metabolic rate of new-born babies in relation to environmental temperature; and the effect of age and of weight on basal metabolic rate. J. Physiol., 180: 239-265, 1965. (13) Edlow, J., Fine, S., Vawter, G. F., Jockin, H. and Klein, E. Laser irradiation: effect on rat embryo and fetus in utero. Life Sci., 4: 615-623,

1965. (14) Volokhov, A. A. Development of unconditioned and conditioned reflexes in ontogenesis. 21st International Congress of Physiological Sciences, August 9-15, 1959, Buenos Aires. (15) Volokhov, A. A. On the significance of various levels of the central nervous system in the formation and development of motor reaction in embryogenesis. Plzen. lek. Sbor., Suppl., 3: 141-145, 1961. (16) Streicher, E., Wisniewski, H. and Klatzo, I. Resistance of immature brain to experimental cerebral edema. Neurology, 15: 833-836, 1965. (17) Carver, M. J., Copenhaver, J. H. and Serpan, R.A. Free amino acids in foetal rat brain: influence of L-phenylalanin. J. Neurochem., 12: 857-861, 1965. (18) Raimbault, J. and Laget, P. Etude de la vitesse de conduction des fibres nerveuses chez le jeune enfant. Extrait de la Revue Neurologique, 108; 204-209, 1963. (19) Raimbualt, J. and Laget, P. Contribution de l'electromyographie a l'etude des retards du developpement psychomoteur chez l'enfant. Extrait de la Revue Neurologique, 110: 352-354, 1964, (20) Raimbault, J. and Laget. P. Le controle du developpement moteur chez le jeune enfant par l'etude de la vitesse de conduction des nerfs peripheriques. Rev. Electr. Diag. Ther., 2: 101-118, 1965. (21) Schults, F. J., Michaelis, R. and Filippe, E. Neurologie des neugeborenen. I. Mitteilung ursachen und klinische symptomatologie von funktionsstorungen des nervensystems bei neugeborenen. Zeitschrift fur Kinderheilkinde, 93: 242-263, 1965.

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CALLING ATTENTION TO:

The Fourth International Summer School of Brain Research will be held in Amsterdam from July 11-29, 1966. It will consist of: a) Symposium on THE AUTONOMIC NERVOUS SYSTEM (structure, function, pharmacology and clinical aspects) from July 11-15. b) Demonstrations and laboratory courses from July 18-29. For further information contact Dr. J. P. Schade, Central Institute for Brain Research, Ijdijk 28, Amsterdam (Havens-Oost), The Netherlands. Registration fee $10.00.

Dr. Bertalan Csillik, Associate Professor of Anatomy, Szeged, Hungary recently published a monograph entitled "Functional structure of the post-synaptic membrane in the myoneural junction", Academy Publishing House, Budapest, 1964. This work deals with histochemical and ultrastructural aspects of this synapse, including development, function, degeneration and regeneration.

The Laboratory Primate Newsletter, Volume 4, No. 3 for July, 1965, carried an interesting account of research being conducted by: Karlis Adamsons, Jr., Oregon Regional Primate Research Center, L. Stanley James, Coll. of Physicians and Surgeons, Columbia Univer., Molley E. Towell, Oregon Regional Primate Research Center, Jerold F. Lucey, University of Vermont, Burlington, Vt. on Physiologic observations during induced anemia in utero in the rhesus monkey.

The Laboratory Primate Newsletter, Volume 4, No. 4 for October, 1965, had the following quotation among the editor's notes: "In two places in this issue of the Newsletter, concern is expressed about inadequate means of distribution of information about non-human primates. We wonder whether it is as much a problem of availability of distribution media as a failure to make use of available media. For example, people have not contributed nearly as much information as this Newsletter alone could handle". This quotation applies equally well to the DEVELOPING BRAIN NEWSLETTER.

C. I. O. M. S. for October, 1965, had information on the advantages of offset for publishing Congress Proceedings included on this are suggestions for typing,

for choice of printer, for format for the abstract and general form of the announcement.

Dr. Jindrich (Henry) Mourek of Charles University who is interested in multi-discipline studies of developing brain including neurochemistry and electrophysiology is visiting in our laboratory until the middle of April. If you wish to arrange for him to visit you and give a lecture please contact him directly at the Thudichum Psychiatric Research Laboratory.

Dr. Jack Werboff has suggested that it would be very helpful if we could include in the reference list the address from which a reprint could be obtained. This seems like an excellent idea but will force us either to increase the size of the newsletter (which we have been keeping to 1 pate) or to reduce the number of references included. Any comments that you can make regarding;this problem to help us make a decision will be greatly appreciated.

日本神経化学会の発足について

神経化学懇話会常任委員会

神経化学懇話会は、神経系の生化学的研究に、従事しておられる各領域の研究者の同好的集会として、その歩みも9年を迎えました。そして会員数も500名を越える現状でこの会に定着して研究を進めようとする研究者も増えてきており日本の神経化学の発展に一つの貢献をしてきたと考えられます。しかし一面においては、会の組織が曖昧であり、運営を担当している委員も固定化して、それが独特のスタイルと雰囲気を生むに到りました。通常の学会とは、ことなって研究者の間で、深い討論がかわされるという点では好評の様でありましたが、一方においては、運営方針の片よりが指摘されることともなりました。ひるがえって、国外の状勢をみますと、神経化学は1つの学問分野として認められ今や脳研究の中では、重要な部門となっております。そして、国際的な組織も次々に生まれ、International Neurochemical Society, IBRO のNeurochemistry Pannel, 或いはWFNのNeurochemistry Commission などがあり、この領域の国際的学術雑誌としては、J. Neurochem. が1956年より発刊されておりますことは、御承知の通りであります。この様な国内外の状勢を考えれば、国内的にも、一定の組織化が要請され、学会形式をととのえて国内外に対し公的に臨むことが、いろいろな意味から、研究者にとって、有利であろうという議が、先年の常任委員会に出され、その具体的な検討を進めることが決まりました。本年2月6日の常任委員会（於東京）では、事務局より組織化の為の会則原案が提出され、それに検討が加えられました。事務局より提出されました原案は本会が将来は法人化され、日本医学会の分科会に入ることまでを予想して、かなり完備したやゝ片苦しい会則であり、これに対して従来、培われてきた懇話会の良い雰囲気が失われる危険性が懸念されました。例えば「役員(理事)は会員の直接選挙によって選ばれる」という項目に対して運営の公正を期するあまりに、各領域の著名の老大家にのみ票が集中し実際に神経化学の研究に従事している、中および若い研究者の意見が学会運営に反映されなくなることをおそれる、という意見もありました。しかし又かりに現役員が全員交替したとしても今日まで積み上げられて来た本会の実績はそう簡単にくずれるとは考えられないこと、又かりに選挙の結果がどうであっても、現状の神経化学の研究者の意識が示すところに従って本会の運営が行なわれるべきでありこの辺で民主的な手続により本会の今後の運営について姿勢を正すべきであるとする反論もありました。また、選挙の場合、役員の選出方法中で専門別による一定の規定をもうけてはという意見も出ました。しかし更に学会として、国内外に公式に臨むからには最低限の会則・規約をとゝのえることが必要であり、それはそれ程困難であるとは考えられないから、会を組織化して特に外国との交流を円滑にし、公式に神経化学研究者の為の会とすることに意見が一致しました。この様な組織化にともない、機関紙の発行も重要な事項として討議

され従来の「神経化学」を学会雑誌として、毎年秋に開かれる研究発表会の際の論文を掲載しそしてさらに余力があれば原著論文(掲載料一部著者負担)・綜説も掲載してはとの意見もありました。
この点については財政的な面で慎重論も出ましたが事務局より目下のところでは、不可能でないとの見解が述べられました。
以上の如く本会を日本神経化学会として発足させ機関紙「神経化学」も学術雑誌とすることには常任委員会で意見の一致をみるに到りました。然し会則の細部、ことに役員の選出方法については尚議論の余地がありますから、会員各位からも活発な御意見がよせられますことを期待致します。尚新会則は本年10月7日～8日大阪において開かれます、第9回神経化学懇話会総会で最終的に御決定を願いその上で発足することになっております。

第9回神経化学懇話会演題募集要項

第9回神経化学懇話会は下記の要領で開催致します。この募集要項にのっとりふるって応募して下さい。

会長　佐野　勇　（阪大神経科）

日　　時　昭和41年10月7日(金)・8日(土)

会　　場　朝日生命ホール講堂（大阪）

今回の懇話会ではシンポジウムは行いません。米国NIHのB. Witkop 博士の特別講演が予定されています。一般講演は、現在進行中の研究の予報、新しい技術の紹介、あるいは症例報告的な発表をも期待して、広く神経化学の研究発表を募集致します。

応募要項

演題、演者名、抄録を次の規定に従って、**7月20日(水)**までに懇話会事務局に**必着**するように提出して下さい。

(1) 演題申込者は懇話会々員でなければなりません。

(2) 応募を予定される方はなるべく早目に事務局に**原稿用紙**および**記載方法の解説**を要求して下さい。抄録集は写真印刷にしますので、**必ず**所定の原稿用紙に所定の方法で書いて下さい。

(3) 抄録には、予め講演内容を知らせ討論が活発に行なわれるようにするため、さらにスライドの使用をできるだけ少なくするため、実験の方法・成績・考察を詳しく記載し、図表および文献を含めて所定の原稿用紙で**8枚似内**（約6000字以内）のものを提出して下さい。
印刷の都合上写真は遠慮して下さい。

(4) 抄録にそえて**1枚以内の要約**を提出して下さい。

(5) 演題申込の際、講演の希望時間（5分、10分、15分の別）を記載して下さい。講演時間の決定、プログラムの編成については常任委員会におまかせ下さい。

(6) 演題申込み多数の場合は、取捨選択は常任委員会にお任せ下さい。討論の対象として不適当なもの、抄録が不完全で内容の不明確なもの、および所定の方法に従わないものは、ご遠慮願うことがあります。

8月上旬プログラム編成を終了し、直ちにご連絡します。なお、抄録集は機関誌〔神経化学〕の別冊号として発行し9月中旬にお送りします（実費を頂きます）。抄録集を希望の向きは9月15日までに申込んで下さい。

尚、従来は発表論文を懇話会ののち「神経研究の進歩」（医学書院）に掲載してきましたが、本年度からは**希望される方**の論文を機関紙「神経化学」に3～4篇づつ分けて掲載することにしましたので予めご了承下さい。論文は活字印刷として別刷も作製します。

連絡先：神経化学懇話会事務局

東京都新宿区信濃町　慶応大学医学部生理学教室内　Tel.353－1211(内線2613)
振替：東京23232

演題申込の方で会員でない方は、入会の手続をお願い致します（入会申込には入会申込用紙に所定事項を記入して事務局にお送り下さい。会費〔年額1000円〕は振替により送金して下さい）。

神経化学懇話会常任委員会議事録

昭和41年2月6日(日)

於：東　京

出席者：林　浩平・石川晋次・川北幸男・小林龍男・高坂睦年・黒川正則・成瀬　浩・佐野勇・高垣玄吉郎・高橋　良・高橋康夫・田崎義昭・塚田裕三・宇尾野公義

欠席者：鳩谷　龍　　事務局：永田　豊

1：第9回神経化学懇話会総会開催の件

日時：　昭和41年10月7日(金)、8日(土)

場所：　大阪・朝日生命ホール

会長：　佐野　勇氏（阪大・神経）

シンポジウムは行わないで、一般演題のみとする。

外人招待講演：　Dr. B. WITKOP (米国、NIH) を予定する。

演題募集要項：　症例報告、臨床検査的なものも出来るだけ多く募集。

予講集用原稿はすべて8枚以内とし、発表希望時間（5分、10分、15分）をそれぞれ申し出てもらう。

2：機関誌「神経化学」の件

(1) 本誌の Supplement を Index Medicus より abstract したい旨申出があり、本誌の欧文名をBulletin of the Japanese Neurochemical Society (Shinkei-Kagaku) とすることとした。

(2) 外国雑誌の神経化学関係文献の掲載について

慶大・北里図書館に依頼して、Current Contents の中より56雑誌をえらんでその中より神経化学関係の文献をひろい出し物質別に分類記載することとする。尚、捨うべき雑誌名の追加を各常任委員に依頼した。

(3) 神経化学懇話会で発表した業績は、今年度から医学書院の「神経研究の進歩」に依頼、掲載することを止めて、本「神経化学」誌にニュース、文献等と共に、希望者にかぎり活字印刷して1ヶ年に亘って分割掲載するようにする。

3：「日本神経化学会」の発足にともなう会則の検討

神経化学懇話会も結成以来、本年で9年目を迎え益々発展の途上にある。

そこで、対外的には我が国の神経化学を代表するものとして、又国内的にも同好会よりも学会として改組織し、ひいては日本医学会の一分科会として充分活動出来るようにすることが再確認された。これにともない、事務局より本会の会則原案が各常任委員に示され、各事項について活発な討論が行われた。原則的には各常任委員の賛同が得られたが、猶、役員選出の方法、機関誌の問題等の細部については議論の余地があり、広く会員の意見も聞いてのち、本年8月中に成案をまとめて10月7日、8日の神経化学懇話会総会で承認を求めるようにする。

—書架—

Progress in Brain Research, Elsevier Publishing Company, Amsterdam

Vol. 15, Biology of Neuroglia, ed. by E. D. P. De Robertis and R. Carrea, xi + 297 pp., 1965

Vol. 16, Horizons in Neuropsychopharmacology, ed. by W. A. Himwich and J. P. Schade, xii + 347 pp., 1965

Vol. 17, Cybernetics of the Nervous System, ed. by N. Wiener and J. P. Schade, x + 424 pp., 1965

Vol. 18, Sleep Mechanisms, ed. by K. Akert, C. Bally and J. P. Schade, xi + 275 pp., 1965

Vol. 19, Experimental Epilepsy, by A. Kreindler, 213 pp., 1965

Neurohistochemistry, ed. by C. W. M. Adams, viii + 756 pp., 1965, Elsevier Publishing Company, Amsterdam

Atlas of the Human Brain, by D. H. Ford and J. P. Schade, vii + 166pp., 1966, Elsevier Publishing Company, Amsterdam

Chemical Aspects of the Autonomic Nervous System, by D. J. Triggle, ix + 329 pp, 1965, Academic Press, London and New York

Correlative Physiology of the Nervous System, by H. J. Campbell, ix + 313 pp., 1965, Academic Press, London and New York

Serotonin, by S. Garattini and L. Valzelli, x + 392 pp., 1965, Elsevier Publishing Company, Amsterdam

Cerebral Edema, by L. Bakay and J. C. Lee, viii _ 192 pp., 1965, Charles C. Thomas, Springfield, Ill.

Pavlovian Psychiatry, A New Synthesis, by C. Astrup, xiii + 171 pp., 1965, Charles C. Thomas, Springfield, Ill.

—編集後記—

○本号から新方式の「神経化学文献」をおとどけします。航空便で入手するCurrent Contentsから前号（4巻6号）でお知らせした方法で北里医学図書館の館員の方々が抽出して下さった文献を分類して掲載したわけです。

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○北里図書館々員の方々がはりきっておられますから、この方式はづっとつづけることができます。なお改善すべき点も多いと思われますから、会員各位の御希望・御意見をお聞かせ下さい。

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（G. T.）

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神経化学懇話会常任委員会（41年2月6日）
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