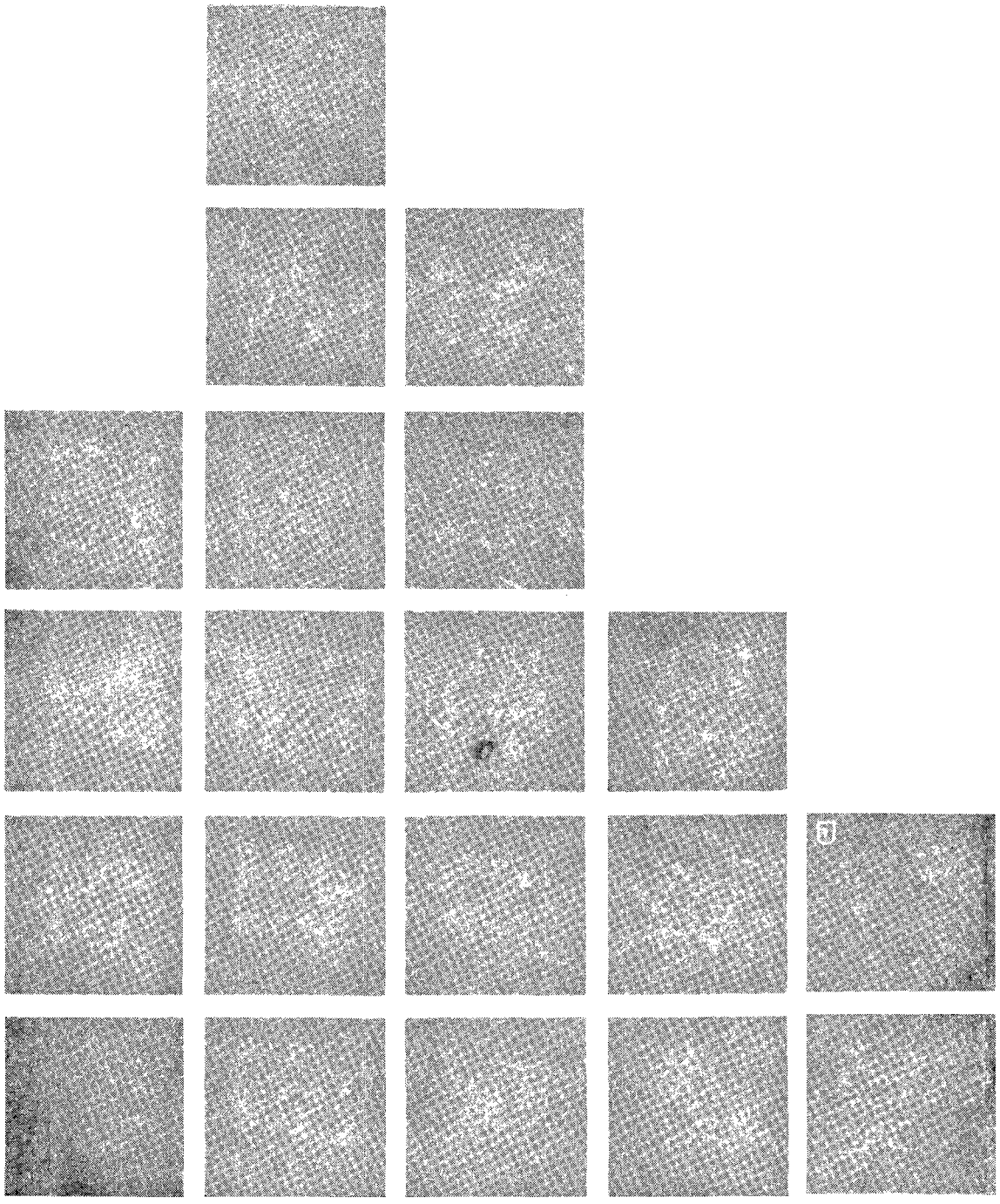
神経化学

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Central control of noradrenaline content in rat pineal and submacillary glands.
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Brit. J. Pharmacol. 26(1): 186, '66

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Intern. J. Neuropharmacol. 5(1): 43-58, '66

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The safest possible clinical use of succinycholine in electroshock-therapy.
Acta. Psychiat. Scand. 41(3): 294-302, '65

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Psychopharmacologia 8(5): 331-9, '66

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Psychopharmacologia 8(5): 340-74, '66

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Inhibition of the effect of repetitive stimulation on spinal motoneurones of the cat by morphine and pethidine.
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Avoidance response acquisition and amobarbital dosage level.
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A comparative study of the effects of morphine in unanaesthetized and anesthetized cats.
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On certain psychopharmacological and physiological differences between schizophrenic and normal persons.
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Beeinflussung des Lernverhaltens durch Chlordiazepoxid bei Tauben.
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A comparison between the effects of tetraethylammonium and triethyl-(3-hydroxyphenyl) ammonium on frog neuromuscular transmission.
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Psychopharmacologia 8(5): 379-88, '66

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A controlled trial of prothipendyl (tolnate) in mentally subnormal patients.
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The effects of LSD-25 on the amplitudes of evoked potentials in the hippocampus of the cat.
Life Sci. 5(3): 259-66, '66

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Psychopharmacologia 8(6): 437, '66

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Proc. Soc. Exp. Biol. Med. 121(1): 96, '66

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Life Sci. 5(2): 163-7, '66

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The effect of cinnamohydroxamic acid on the central nervous system.
Brit. J. Pharmacol. 26(1): 41, '66

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The electrical excitability of isolated cortel during bsrbiturate withdrawal.
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avoidance response in the rat.
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The pharmacology of Actomol and related compounds.
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Pharmacological investigations of cochlear responses and of olivoi-ochlear inhibition.
J. Neurophysiol. 29(1): 94, '66

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Interaction of phenoxybenzamine with guanethidine and bretylium at the sympathetic nerve endings of the isolated perfused spleen of the cat.
J. Pharmacol. Exp. Therap. 151(2): 189-95, '66

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The effect of ethyl alcohol on man's electro-encephalographic sleep cycle.
Electroencephalog. Clin. Neurophysiol. 20(2): 109, '66

X. SUBCELLVLAR UNITS

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Biochem. Pharmacol. 14(12): 1815-9, '65

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Uptake and metabolism of exogeneous α-aminobutyric acid by sub-cellular particles in a sodium-containing medium.
Biochem. Pharmacol. 14(12): 1755-64, '65

XI. ENZYMES & COFACTORS

343. Gromadzki, C. G. & Koelle, G. B.
The effect of axotomy on the acetylcholinesterase of the superior cervical ganglion of the cat.
Biochem. Pharmacol. 14(12): 1745-54, '65

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The determination by quantitative histochemistry of the effect of phenothiazines on brain cytochrome coxidase activity.
J. Histochem. Cytochem. 14(1): 64, '66

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Inhibition of choline acetyltransferase by excess cysteine.
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Biochim. Biophys. Acta 113(2): 197-215, '66

XII. METABOLISM

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The comparative effect of α-hydroxybutyrate and phenobarbital on brain energy metabolism.
Biochem. Pharmacol. 14(12): 1905-7, '65

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Cephalic circulation and oxygen consumption before and after birth.
Am. J. Physiol. 210(2): 287, '66

354. Mandell, A. J., et al.
Urinary excretion of 3-methoxy-4-hydroxymandelic acid during dreaming sleep in man.
Life Sci. 5(2): 169-73, '66

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Effects of hyperbaric oxygenation on metabolism
II. Oxidative phosphorylation in rat brain, liver and kidney.
Proc. Soc. Exp. Biol. Med. 121(1): 34, '66

DEVELOPING BRAIN

前号（5巻1号）では手ちがいのため、Developing Brain, No. 10の転載がぬけてしまいました。こゝにNo. 10 と No. 14 を転載致します。

No. 10 August, 1965

We have just received our first copy of BRAIN NEWS which is "a bi-monthly bulletin prepared by the INDIAN BRAIN RESEARCH ASSOCIATION and circulated to the IBRA members and to a limited number of other investigators and institutes in neuroscientific fields of research". The current issue is Volume 2, No. 3 for May-June 1965. This issue contains news of various meetings, a listing of new books, journals and research reviews on brain science. The majority of the issue is spent on recent references which are divided into anatomy, behavior, learning, memory, pathology, pharmacology, physiology, pituitary and psychiatry. The exchange offer is given below. This publication is very worthwhile and we were delighted to receive it.

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le partage du sang entre le foetus et le placenta; facteurs hèmodynamiques de certaines lèsions congènitales des extrèmitès (acroblapsie). C. R. Acad, Sci., Paris, 259: 3086-3088, 1964. (6) Roffi, J. Dosage de l'adrènaline et de la noradrènaline dans les surrènales du foetus de Lapin au cours de la gestation. J. Physiol., Paris, 56: 434-435, 1964. (7) Passouant, P. Influence de l'age sur l'organisation du sommeil de nuit et la pèriode de sommeil avec mouvements oculaires. Journal de Psychologie, No. 3, pgs. 257-279, 1964. (8) Svennerholm, L. The distribution of lipids in the human nervous system--I Analytical procedure. Lipids of foetal and newborn brain. J. Neurochem., 11: 839-853, 1964. (9) Murthy, M.R.V. and Rappoport, D. A. Biochemistry of the developing rat brain. V. Cell-free incorporation of L-($I^{-14}C$) leucine into microsomal protein. Biochim. Biophys. Acta, 95: 121-131, 1965. (10) Spooner, C.E. Preparation and implantation of brain electrodes in the young chick. Electroenceph. clin. Neurophysiol., 18: 419- 421, 1965. (11) Raiha, N. and Maenpaa, P. Studies on fetal and newborn metabolism. Proceedings of the Fourteenth Northern Pediatric Congress, Stockholm, Session VI, pgs. 113-117, 1964. (12) Brodersen, R. Metabolic defects in icterus neonatorum. Proceedings of the Fourteenth Northern Pediatric Congress, Stockholm, Session I, pgs. 15-18, 1964. (13) Weitzman, E. D., Fishbein, W. and Graziani, L. Auditory evoked responses obtained from the scalp electroencephalogram of the full-term human neonate during sleep. Pediatrics, 35: 458-462, 1965. (14) Boggs, D. E. and Waisman, H. A. Biochemical correlates in rats with phenylketonuria. Arch. Biochem. Biophys., 106: 307-311, 1964. (15) Murakami, U. and Kameyama, Y. Vertebral malformation in the mouse foetus caused by X-radiation of the mother during pregnancy. J. Embryol. exp. Morph., 12: 841-850, 1964. (16) Obrastsova, G. A. On the periods of development of higher nervous activity in early postnatal ontogenesis in rabbits and dogs. J. Higher Nerv. Activity I.P. Pavlova, 14: 644, 1964. (17) Vavilova, N. M., Klyavina, M. P., Obraztsova, G. A. and Troshikhin, V. A. Correlation between the typological properties of the

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CALLING ATTENTION TO:

The bulletin, Brain News, may be obtained in exchange of like publica-

tions of neurological sciences. Please contact Editorial Secretary, Indian Brain Research Association, Department of Applied Chemistry, University College of Science and Technology, Calcutta-9, India.

The "Checklist of Neurological Mutations in the Mouse" can be obtained from the Jackson Laboratory, Bar Harbor, Maine.

"The General Embryological Information Service Foundation issues a biennial periodical of that name in collaboration with the Hubrecht Laboratory, which is an International Embryological Institute. The Foundation would highly appreciate receiving your regular collaboration for this periodical in the form of data regarding your current (not yet published) and planned investigations in descriptive, comparative, experimental and physiological animal embryology, and in related fields, viz. developmental genetics and pathology; regeneration; metamorphosis; asexual reproduction and somatic embryogenesis. In view of the evident relationship between the problems in experimental animal embryology, and those in experimental developmental morphology of plants, the latter field of science is also included.

The periodical has appeared regularly since 1949, and contains a list of names and addresses with titles of current investigations, a geographical list of institutes and a detailed subject index. Book announcements and announcements regarding the activities of the Hubrecht Laboratory and the International Institute of Embryology (section of developmental biology of the I. U. B. S.) are also included. There are at present close to 2000 regular personal collaborators and close to 400 subscribing institutes and individual subscribers in different parts of the world. The subscription price is H. fl. 28, 50 = U.S. $8, -- for two years (full issue in odd years and supplement in even years)". Professor P. D. Nieuwkoop, Director of the Hubrecht Laboratory should be contacted for further information.

The CIOMS, April 1965, No. 26, discusses the important problem of the size of lantern slides. Standards to be observed in preparing slides were described in a former newsletter No. 3 of July 1959.

No. 14 April, 1966

We have been turning over in our minds how best to give more information regarding the addresses of authors (See Newsletter No. 13). Dr. Norman Radin has suggested that we list the CURRENT CONTENTS number in which the reference is given. This seems to me to be an excellent thing to try. It would however, mean a change in procedure. At present the references that are listed are those that I actually have in my hand. The new method would work best if I list the reprints directly from Current Contents. The setup would look as follows:

CURRENT CONTENTS, Vol. 9, No. 15, April 12, 1966

Kramer, S. Z. and Seifter, J. The effects of GABA and Biogenic amines on behavior and brain electrical activity in chicks. Life Sciences, 5: 527, 1966. Wilson, P. D., Riesen, A. H. Visual development in Rhesus monkeys neonatally deprived of patterned light. J. Comp. Physiol., 61: 87, 1966. Perry, T. L. Dunn, H. G., Hansen, S., MacDougall, L. and Warrington, P. D. Early diagnosis and treatment of homocystinuria. Pediatrics, 37: 502, 1966. We do have quite a backlog of references, which in this case we would clear up by the inclusion of an extra sheet in the June Newsletter.

Dr. Datta comments on the same subject "...the bimonthly bulletin, Brain News publishes a list of recent publication references in most areas of brain research with complete addresses of authors. Brain News is published by the Indian Brain Research Association, 92 Acharyya Prafulla Chandra Road, Calcutta 9, India and its annual subscription is about $4.00. For a ready list of current references and for getting addresses to request reprints Brain News is highly useful."

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(1) Narabayashi, H., Nagahata, M., Nagao, T. and Shimazu, H. A new classification of cerebral palsy based upon neurophysiologic considerations. Confin. neurol., 25: 378-392, 1965. (2) Hoffman, H. S., Schiff, D., Adams, J., and Searle, J. L. Enhanced distress vocalization through selective reinforcement. Science, 151: 352-354, 1966. (3)

Sideman, M.B., Pearse, J.J. and Suwalski, R.T. Cholinesterase levels in spastic children. Int. J. Neuropsychiat., 1: 183-184, 1965. (4) Wakoh, T., Reiss, M. and Hillman, J.C. Investigation of energy metabolism in mentally retarded patients. Am J. Ment. Def, 69: 319-323, 1964. (5) Ferreira, A.J. Emotional factors in prenatal environment. J. Nerv. Ment. Dis., 141: 108-118, 1965. (6) Joffe, J.M. Effect of foster-mothers strain and pre-natal experience on adult behavior in rats. Nature, 208: 815-816, 1965. (7) Rodriguez Echandia, E.L. A histochemical study of glycogen in the cochlear epithelium of the embryo guinea pig. Acta physiol. Lat. Amer., 15: 151-157, 1965. (8) Fialkow, P.J., Hecht, F., Uchida, I.A. and Motulsky, A.G. Increased frequency of thyroid auto-antibodies in mothers of patients with down's syndrome. Lancet, 2: 868-870, 1965. (9) Murphree, O.D. and Dykman, R.A. Litter patterns in the offspring of nervous and stable dogs. I: Behavioral tests. J. Nerv. Ment. Dis., 141: 321-332, 1965. (10) D'Amato, C.J. and Hicks, S.P. Effects of low levels of ionizing radiation on the developing cerebral cortex of the rat. Neurology, 15: 1104-1116, 1965. (11) Markert, C.L. and Cowden, R.R. Comparative responses of regulative and determined embryos to metabolic inhibitors. J. Exp. Zool., 160: 37-46, 1965. (12) Sigler, A.T. Lilienfeld, A.M., Cohen, B.H. and Westlake, J.E. Radiation exposure in parents of children,with mongolism (Down's Syndrome). Bull. Johns Hopkins Hosp., 117: 374-399, 1965. (13) Schlesinger, K., Boggan, W. and Freedman, D.X. Genetics of audiogenic seizures: I. Relation to brain serotonin and norepinephrine in mice. Life Sci., 4: 2345-2351, 1965. (14) Johnson, D. and Roofe, P.G. Blood constituents of normal newborn rats and those exposed to low oxygen tension during gestation; weight of newborn and litter size also considered. Anat. Rec., 153: 303-310, 1965.

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CALLING ATTENTION TO:

The Nebraska Psychiatric Institute, University of Nebraska College of Medicine, Omaha, has received a grant from the National Institute of Child Health and Human Development for a research fellowship training program in connection with its Mental Retardation Clinical Research Center. The Center supports laboratories conducting research into mental retardation and related aspects of human and animal development, especially in the neonatal and infant periods. Pre and post doctoral fellowships are available in the areas of biochemistry and physiological psychology. The program is under the direction of Robert J. Ellingson, Associate Director (for Research), Nebraska Psychiatric Institute. Inquiries are invited.

Preliminary list of approved Regional Conferences of Society for Developmental Biology for 1966:

1. Notre Dame, Indiana. March 17-18, 1966. In charge of arrangements:
   Dr. Kenyon S. Tweedell, Department of Biology, University of Notre Dame, Notre Dame, Indiana 46556.
2. Ames, Iowa. May 19-21, 1966. In charge of arrangements:
   Dr. L. E. Roth, Department of Biochemistry and Biophysics, Iowa State University, Ames, Iowa 50010.
3. Storrs, Connecticut. April 7-9, 1966. In charge of arrangement:
   Dr. Hans Laufer, Department of Zoology, University of Connecticut, Storrs, Connecticut 06268.

From: A. C. Clement, Chairman, Regional Conference Committee, Society for Developmental Biology.

"The Neurosciences Research Program Bulletin is a serial publication founded as a vehicle for disseminating the reports of bimonthly NRP Work Sessions to a multidisciplinary audience of scientists and scholars--specifically, those experimentalists and theoreticians who are interested in relating behavior to physiology, chemistry, and physics. At any such NRP Work Session, twelve to twenty experts in a field important to the neurosciences try

to sharpen understanding of its issues, advances, problems, and approaches, both by surveying the state of the art in that field and by reviewing its major findings and ideas synthetically. Each NRP Work Session report has two parts: an evaluative summary, authorized by the chairman, and a selective bibliography of relevant literature, generated by participants. In each case, the penultimate draft is circulated to participants shortly before publication in the NRP Bulletin, so that they can update or augment the summary and bibliography. The NRP Bulletin is available free to libraries of appropriate institutions and to qualified investigators doing relevant research. Apply to Theodore Melnechuk, Director of Communications, Neurosciences Research Program, 280 Newton Street, Brookline, Mass. 20146."

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NEW BOOKS:

Genetics and the Social Behavior of the Dog. John P. Scott and John L. Fuller, Editors. The University of Chicago Press, Chicago, 1965.

Ionizing Radiation Neural Function and Behavior. Donald J. Kimeldorf and Edward L. Hunt, Editors. Academic Press, New York and London, 1965.

Obituary: H. Waelsch 博士

New York State Psychiatric Institute の H. Waelsch 博士は3月22日朝，逝去された。神経化学懇話会からは霊前にお花をそなえ、未亡人（S. G. Waelsch 博士）におくやみのお手紙を差上げた。本誌は次号（5巻3号）を博士追悼号とし，博士のもとに留学していた会員の追悼記をのせる予定である。神経化学の発展のために多大の貢献をなした博士の死去を会員とともにおしみたいと思う。(G. T.)

—書架—

Electrolytes, Fluid Dynamics and the Nervous System, by J. H. Cort, 227 pp., 1965, Academic Press, New York

Biochemistry of the Retina, ed. by C. N. Graymore, xiv + 172 pp., 1965, Academic Press, London

Biochemistry and the Central Nervous System, 3rd Edition, by H. McIlwain, vii + 412 pp., 1966, J. & A. Churchill, London

編集委員（ABC順）

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会員外の方で本誌の希望は，実費でお頒けしますから上記の編集所宛にお申出下さい

神 経 化 学　　VOL. 5 NO.2

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Developing Brain, No. 10 & 14.

Obituary, H. Waelsch 博士

〔書　架〕

緒 方 書 店 刊