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A. Hamberger (Göteborg) discussed the ability of nerve and glial cells to increase their respiratory enzyme activity during increased functional demands. The changes were not similar in size and time-course for the two cell types. The increased activity of succinoxidase seemed to parallel the increase in the mitochondrial mass. The enzyme changes did not necessarily follow the changes in proteins, RNA, or volume of neurons.

A. Lajtha (New York) described the properties of active mediated transport processes involved in the passage of amino acids into and out of the nervous system. If rates of influx and efflux and affinities are known, concentrations of compounds in the cerebrum can be predicted. Similarly, from effects on flux, effects on concentrations can be predicted. These results show the importance of uptake and exit processes in controlling the amount and distribution of cerebral metabolites.

Each visitor, through his assigned contacts in the host country’s various institutes, arranged some demonstrations of important aspects of methodology at these institutes. In addition to visits to laboratories in Budapest, where the demonstrations by J. Szentagothai and his colleagues at the Anatomical Institute and those by G. Adam at the Physiology Department deserve special mention, two scientific excursions were organized, one to Pecs and one to Tihany.

On the excursion to Pecs the departments of the Pecs University Medical School engaged in brain research were visited. E. Grastyan showed a prototype of a 128-channel analyzer for bioelectric potentials developed in collaboration between this institute and the Hungarian Central Physics Department. E. Endroczy showed microinfusion procedures for the topographical study of chemical mediators in the conscious animal. G. Szekely discussed studies involving neuroembryological recombination of the central nervous system. Cinematographic records were shown of stepping movements performed by heterotopic legs (fore and hind legs) innervated by heterotopic spinal segment groups transferred to other places of the medullary tube at various embryonic ages, and also of segments recombined in order to increase neuroblast material available at a given level. The whole concept of neuron specificity was discussed. T. F. Merei demonstrated methods of measuring cerebral protein synthesis and of obtaining rapid
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serial blood samples from small animals. In Tihany (Biological Research Department of the Hungarian Academy) demonstrations of neurohormonal regulation studies were discussed by G. Salanky and his co-workers.

Expenses of the visiting seminar were partly defrayed by grant MH 7345 from the U.S. Public Health Service and by Unesco.

A. LAJTHA
New York State Research Institute for Neurochemistry and Drug Addiction, New York, New York

J. SZENTAGOThAI
University of Budapest, Budapest, Hungary

P. B. DEWS
Harvard University, Boston, Massachusetts

Forthcoming Events

April

28–29. Electrical Conduction Properties of Polymers, symp., Pasadena, Calif. (A. Rembaum, Jet Propulsion Laboratory, California Inst. of Technology, 4800 Oak Grove Dr., Pasadena)


28–30. Wildflower Pilgrimage, 16th annual, Gatlinburg, Tenn., and Great Smoky Mountain Natl. Park. (A. J. Sharp, Dept. of Botany, Univ. of Tennessee, Knoxville)

29–30. Georgia Acad. of Science, Georgia Southern College, Statesboro. (J. T. May, School of Forestry, Univ. of Georgia, Athens)

29–30. Mississippi Acad. of Sciences, Mississippi State Univ., State College. (C. Q. Wheeler, Box 374, State College 39762)


29–1. Association of Clinical Scientists, Chicago, Ill. (R. P. MacFate, 300 N. State St., Chicago, Ill. 60610)

29–1. American Soc. for the Study of Sterility, Chicago, Ill. (H. H. Thomas, 944 S. 18 St., Birmingham, Ala.)

May

G. Anderson, Nashville, Mountain Park, School mtg., Blvd., E.42 annual 1es 60603 (Executive Elect W.C.2, due logical Rubble.

Institute, Univ. Petroleum York of Brunke, AIAA, conf., Oak Inst. for Ridge, N. Bristol, Tenn., and School of Civil Engineering, Ind. W.C.2, 22APRIL 1966

Gynecologists, Tex. Germany.

and Antibiotics, intern. symp., Biological of the GDR, Reinhardtbrunn, East Germany. (H. Lyr, Inst. für Fürstwissenschaften, Alfred-Möllerstr., 13 Eberswalde die Berlin)

3-4. AAAS, Southwestern and Rocky Mountain Div., Las Cruces, N.M. (M. G. Anderson, P.O. Box AF, University Park, N.M. 88070)

4-6. Geometrics Soc. of Canada, 11th annual mtg., Banff, Alberta. (C. O. Person, Dept. of Genetics, Univ. of Alberta, Edmonton, Canada)

4-6. Society for Experimental Stress Analysis, spring mtg., Detroit, Mich. (B. E. Rossi, 21 Bridge Sq., Westport, Conn.)

1-4. American Soc. for Clinical Investigation, Atlantic City, N.J. (G. W. Liddle, School of Medicine, Vanderbilt Univ., Nashville, Tenn.)


1-6. Electrochemical Soc., annual spring mtg., Cleveland, Ohio. (The Society, 30 E. 42 St., New York 10017)

1-6. International College of Surgeons, North American Federation, congr., Houston, Tex. (S. E. Henwood, 1516 Lake Shore Dr., Chicago, Ill. 60610)

2-3. Canadian Aeronautics and Space Inst., annual mtg., Ottawa, Ontario. (The Institute, 77 Metcalfe St., Ottawa 4)

2-3. Bioengineering, 3rd annual Rocky Mountain symp., University of Colorado, Boulder. (J. C. Daniel, Dept. of Biology, Univ. of Colorado, Boulder 80304)

2-3. American Inst. of Mining, Metallurgical, and Petroleum Engineers, Inst. of Petroleum Engineers, Wichita Falls, Tex. (Executive Secretary, 345 E. 47 St., New York 10017)

2-4. Council of Biology Editors, Univ. of Notre Dame, Notre Dame, Ind. (R. E. Gordon, Dept. of Biology, Univ. of Notre Dame, Notre Dame)


2-5. Isochronous Cyclotrons, intern. conf., Gatlinburg, Tenn. (R. S. Livingston, Oak Ridge Natl. Laboratory, P.O. Box X, Oak Ridge, Tenn. 27831)


3-5. Industrial Waste, 21st conf., Purdue Univ., Lafayette, Ind. (D. E. Bloodgood, School of Civil Engineering, Purdue Univ., Lafayette 47907)


4-6. Geometrics Soc. of Canada, 11th annual mtg., Banff, Alberta. (C. O. Person, Dept. of Genetics, Univ. of Alberta, Edmonton, Canada)

4-6. Society for Experimental Stress Analysis, spring mtg., Detroit, Mich. (B. E. Rossi, 21 Bridge Sq., Westport, Conn.)

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Geological Survey, P.O. Box 250, Rolla 65401)
8-15. Stereochemistry, conf., Bürgenstock, Switzerland. (D. Arigoni, Dept. of Organic Chemistry, Univ. of Zurich, Zurich, Switzerland)
9-10. Circuit Theory, 9th midwestern symp., Oklahoma State Univ., Stillwater. (D. R. Wilson, School of Electrical Engineering, Oklahoma State Univ., Stillwater 74045)
9-11. Nuclear Applications of Non-Fissile Ceramics, conf., Washington, D.C. (A. Boltax, Westinghouse Astronuclear Laboratory, P.O. Box 10864, Pittsburgh, Pa. 15236)
9-13. Society of Photographic Scientists and Engineers, annual conf., San Francisco, Calif. (J. B. Bell, 1525 Tennessee St., San Francisco, Calif.)
9-14. Condensation Nuclei, 6th intern. symp., Albany, N.Y. (D. G. Barry, Atmospheric Sciences Research Center, State Univ. of New York, P.O. Box 7185, Albany 12224)
10-14. American Assoc. of Mental Deficiency, Chicago, Ill. (G. E. Milligan, 1601 Broad St., Columbus, Ohio)
10-19. Committee on Space Research, 9th plenary mtg., Vienna, Austria. (COSPAR, 55, Blvd. Maleherbes, Paris 8, France)
11-13. Analysis Instrumentation, 12th natl. symp., Houston, Tex. (G. I. Doering, Industrial Nucleonics Corp., 650 Ackerman Rd., Columbus, Ohio 43202)
11-14. American Assoc. for the History of Medicine, Rochester, Minn. (J. B. Blake, Natl. Library of Medicine, Bethesda, Md.)

11-14. Society for Industrial and Applied Mathematics, natl. mtg., Univ. of Iowa, Iowa City. (J. B. Rosser, Mathematics Research Center, Univ. of Wisconsin, Madison)


11-14. Society of Technical Writers and Publishers, 13th annual mtg., Fort Worth, Tex. (N. J. Kennedy, Box 3706, Columbus, Ohio 43214)

11-21. Photographic Systems for Engineers, seminar, San Francisco, Calif. (J. B. Bell, 1525 Tennessee St., San Francisco)


14. Reliability, 7th annual West Coast symp., Univ. of Southern California, Los Angeles. (R. J. Guarino, TRW Systems, One Space Park, Redondo Beach, Calif.)

15-18. American Inst. of Chemical Engineers, 59th annual mtg., Columbus, Ohio. (The Institute, 345 E. 47 St., New York 10017)


15-21. Dynamic Role of Molecular Constituents in Plant-Parasite Interaction, U.S.—Japan seminar, Gamagori, Japan. (C. Mirocha, Dept. of Plant Pathology and Physiology, Univ. of Minnesota, St. Paul)

16-17. Plant Growth, conf., New York, N.Y. (J. F. Frederick, Dodge Chemical Co., Racine, Wis., 3425 Boston Rd., Bronx, N.Y. 10469)

16-18. Aerospace Electronics, 18th natl. conf., Dayton, Ohio. (J. M. Mayer, 4525 Fernbrook St., Kettering, Ohio 45440)

16-18. Society of German Engineers, conf., Berlin. (The Society, Postfach 10 230, D-100, Dusseldorf 10, Germany)


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