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ABSTRACTS FROM EAST EUROPEAN
SCIENTIFIC AND TECHNICAL JOURNALS

No. 143

(Biology and Medicine Series)

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ABSTRACTS FROM EAST EUROPEAN
SCIENTIFIC AND TECHNICAL JOURNALS
No. 143

- Biology and Medicine Series -

This report consists of abstracts of articles from the East European scientific and technical journals listed in the table of contents below.

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CZECHOSLOVAKIA

O. BENESOVA, Department of Pharmacology, Faculty of Medical Hygiene, Prague [Original version not given]

"Effect of d- and l-Phenmetrasine on Self-Stimulation in Rats."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 1-3.

Abstract [English article]: The dextro-isomer increased self-stimulation rate by 334%, the levo- by 209% in rats with electrodes implanted in the posterior hypothalamus. Results significant statistically, $p = 0.05$. Graph, 17 US references.

1/1

CZECHOSLOVAKIA

E. L. SHCHELKUNOV, Psychopharmacology Laboratory, 'V.M. Bekhterev' Psychoneurology Institute (Laboratoriya psikhofarmakologii, Psikhonevrologicheskii institut imeni V.M. Bekhtereva) Leningrad.

"Imipramine and Chloracizine Potentiation of the Anti-Reserpine Effect of Phenamine in Rats with Conditioned REFLEXES. (Pharmacologic Analysis of the Antidepressive Effects of Chloracizine and Imipramine)"

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 4-12.

Abstract [Russian article; English summary modified]: Imipramine 5 mg./Kg. or 'chloracizine' (diethylaminopropyl 2-chlorophenethiasine) i.p. simultaneously with reserpine 2 mg./Kg. significantly prolong phenamine (dl-amphetamine) (1 mg./Kg.) restoration of (reserpine-disrupt conditioned (food) reflexes in rats in waze. Chloracizine may therefore also have antidepressant properties. Graph, table; 13 Soviet and 47 Western references.

1/1

CZECHOSLOVAKIA

J. HOSKOVEC and I. HORVAT, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatricka klinika fakulty vseobecneho lekarstvi KU [Karlova University],) Head (prednosta) Prof Dr V. VONDRACEK, DrSc, Prague.

"Research on Speech in Hypnotic Age Regression."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 13-21.

Abstract [English summary modified]: Enunciation of 16 words was compared in children aged 0.5, 1 and 2 years; in adults instructed to pronounce these words as children of these ages; and in 8 adults during hypnotic regression to said ages. Authors conclude that there is no true regression; hypnotized adults seem to overestimate the ability of the children to enunciate the words tested. Four tables, 20 Western, 7 Soviet and 6 Czech references.

1/1

CZECHOSLOVAKIA

M. BOUGHAL and V. KOZOUSEK, Psychiatry Clinic (Psychiatricka klinika) Head Prof Dr J. HADLIK; and Eye Clinic (Ocka klinika) Head Prof Dr J. VANYSEK; Medical Faculty of the J.E.Purkyne University (Lekaraka fakulta UJEP [Universita J. Ev. Purkyne],) Brno.

"Electroretinographic Changes During Hypnosis. Preliminary Communication."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 22-25.

Abstract [English summary modified]: Data on studies in 5 persons, concentrating on changes in 1 "polymorphic neurotic woman with hysteroid traits" aged 39. The changes are described in detail and discussed. One retinogram, table, 2 Czech, 1 Soviet and 2 Western ref's.

1/1

CZECHOSLOVAKIA

H. JUVANOVA and F. KNOBLOCH, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatricka klinika fakulty vseobecneho lekarstvi) Head (prednosta) Prof Dr J. VONDRACEK, DrSc; Prague.

"Use of Two Questionnaires (N5, ZIN-ZIS) in Clinical Practice in Neuroses."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 26-35.

Abstract [English summary modified]: Study of the sensitivity of the N5 questionnaire designed to pick up ephemeral mood fluctuations, and the ZIN-ZIS one intended to reveal general satisfaction with life in neurotics and healthy persons, in 100 or 44 patients. Ten graphs, 5 tables; 5 Czech and 1 British reference.

1/1

CZECHOSLOVAKIA

F. KNOBLOCH, H. JUNOVA, E. MARTINCIKOVA and M. ECHANILCOVA, [Same affiliation as above.]

"Results of the Clinical Psychotherapy Department for Rehabilitation of Neurotics in Lbec."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 36-43.

Abstract [English summary modified]: 1954-1961 data on 1504 patients treated at the "Hospital for Neuroses": brief description of methods used, and analysis of results by age, sex, duration of disease, criteria of improvement being set and scored by physician and by the patients independently. Results confirm that operation is worthwhile; and with experience results are getting better still. Six tables, 4 graphs; 8 Czech and 2 Western references.

1/1

CZECHOSLOVAKIA

J. RUSNAK, Chief (riaditel), CSc, State Sanitarium (Statne sanatorium)
Bratislava.

"Actual Condition of Higher Nervous Activity in Experimental Atherosclerosis."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 44-50.

Abstract [English summary modified]: Experimental cholesterol atherosclerosis, potentiated with ethyl biscoumarate 200 mg. every second day in 11 rabbits, comparing conditioned reflex to falling; cortical oscillography and motor potential. Atherosclerotic rabbits showed greater inhibition of reflex: 45.4% rather than 13.7%. Kymograph, 2 tables; 2 Czech, 1 Soviet and 2 Rumanian references.

1/1

CZECHOSLOVAKIA

B. CHALUPA, Occupational Diseases Clinic (Klinika nemoci z povolani)
Head Docent Dr J. VYSKOCIL, Brno.

"Effect of Industrial Poisonings on Memory Interference."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 51-52.

Abstract: Study of short-term memory (nonsense syllables or letter sequences) in 211 patients including groups of CO, trichloroethylene and other solvents, Pb, Hg; chronic ionizing radiation intoxications; myxedema; organic CNS damage; neurosis; brucellosis, and healthy controls. Highest disruption was in myxedema; then industrial intoxications. No detailed data. Two Czech, 3 Western references.

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CZECHOSLOVAKIA

P. NADVOENIK and V. PELIKAN, Neurosurgical and Psychiatric Clinic of Medical Faculty of Charles University (Neurochirurgická a psychiatrická klinika lékařské fakulty KU [Karlovy University],) Hradec Králové.

"Importance of Study of Psychic Changes in Stereotactic Surgery for General Psychopathology."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; p 52.

Abstract: Data from 50 patients operated during 3 years. Those who had a stereotactic operation on thalamic nuclei suffered various types of deficiencies in their intellectual functioning; these deficiencies are described briefly and discussed.

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CZECHOSLOVAKIA

P. NADVOENIK, Neurosurgical Clinic, Medical Faculty, Charles University, Hradec Králové.

"Stereotactic Study Methods of Pathophysiologic Mechanisms of the Central Nervous System in Man."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; p 53.

Abstract: Brief general review of the development of stereotactic operative technique and uses since 1947, discussing the principal areas in which they have increased our knowledge of the functional aspects of central nervous activity.

CZECHOSLOVAKIA

V. PELIKAN, Head (prednosta), CSc, Psychiatry Clinic of Medical Faculty of Charles University (Psychiatrická klinika lékařské fakulty KU [Karlovy University],) Hradec Králové.

"An Attempt to Construct a Block Diagram of the Speech Area."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 53-54.

Abstract: Brief summarizations of author's studies in 5 aphasic patients, discussion of requirements of a good block diagram, table shows correlations of meristic paraphasia and mnestic paraphasia.

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CZECHOSLOVAKIA

D. KOVAC, Psychological Laboratory of the Slovak Academy of Sciences (Psychologické laboratorium SAV [Slovenská Akadémia Vied],) Bratislava.

"Hypothesis About a New Phenomenon of Visual Delusion."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 54-55.

Abstract: Illusion that when one of two lines of light in a totally dark room is symmetrically widened or narrowed, the other line which is above or below it, also undergoes the same type of change. The test is described; reason and significance unknown.

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CZECHOSLOVAKIA

J. BILY, Psychiatric Clinic of Medical Faculty of Charles University (Psychiatricka klinika lebarske fakulty MU [Karlova University]; Head (prednosta) Docent Dr V. PELIKAN, CSC, Hradec Kralove.

"Effect of Some Psychopharmacologic Drugs on Paroxysmal Inhibition."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 55-56.

Abstract: "Paroxysmal Inhibition" is an animal experimental model for catathenic stupor, previously reported by SWORAN and not described here in detail; studies in rabbits with reserpine, chlorpromazine and amphetamines: the first 2 drugs prolonged, the 3rd shortened the duration of the paroxysmal inhibition, with statistically significant difference. Graph; 3 Czech and 3 Western references.

1/1

CZECHOSLOVAKIA

V. GOLDA, J. PETREK and P. LISONEK, Laboratory of Higher Nervous Activity of the Medical Faculty of Palacky University (laborator VNO [Vyssej Nervovej Cinnosti] lebarske fakulty PU [Palackeho University], Chief (vedouci) Prof Dr Jan HREBEK, DrSc; and Department of Anatomy (Ustav normalni anatomie), Head Prof Dr J. ZDRAVY, Olomouc.

"The Extent of the So-Called Motor Cortex in the Posterior Sigmoid Gyrus in the Cat."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 57-59.

Abstract: Histologic and electrophysiologic studies demonstrating that the sulcus postcruciatu in the posterior sigmoid gyrus forms the border between sensory and motor cortical areas in cats. Photomicrograph, photograph of outside of area; oscillographic patterns; 2 Soviet and 3 Western references.

1/1

CZECHOSLOVAKIA

J. RUSNAK, Chief (riaditel) State Sanitarium (Statne sanatorium)
Bratislava.

"Electromyographic Recording of the Conditioned Reflex Reaction in
the Defensive Falling Reflex."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 59-63.

Abstract [English summary modified]: Falling defense reflex conditioned
to audible tone in 22 rabbits; analysis of latent period of reaction and
other parameters reveals that all animals can be classified into one of
3 reaction types. Six electromyograms; 2 Soviet and 2 Czech references.

1/1

CZECHOSLOVAKIA

O. BENESCOVA, Department of Pharmacology, Faculty of Medical Hygiene,
Charles University (Farmakologicky ustav lekarske fakulty hygienicke
KU [Karlova University],) Prague.

"The Self-Stimulation Method in Rats and Its Uses in Psychopharmacology."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 64-73.

Abstract: Review of the literature and description of the procedures
used by the author in selecting and training rats, with reference to
her previous publications on effect of imipramine, propazepine and
several other tranquilizers on the self-stimulation patterns in rats.
Four photographs, diagram; 42 Western and 8 Czech references.

1/1

CZECHOSLOVAKIA

L. HANZLICEK, Psychiatry Research Institute (Vyzkumny ustav psychiatricky) Prague.

"Review of Current Data on Humoral Effects of Psychopharmacologic Drugs."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 74-93.

Abstract: Comprehensive survey of recent articles published in the Western, mainly US, literature regarding the biochemical bases of action of tranquilizers and other neuropsychiatric drugs; details about the cerebral humoral factors; distribution and function of catecholamines, enzymes interacting with latter, their inhibitors and potentiators. Five diagrams, table; about 60 references, Western except for 1 Soviet and 1 Hungarian.

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CZECHOSLOVAKIA

O. VINAR [Same affiliation as above.]

"News in Clinical Use of Psychopharmacologic Drugs."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 93-105.

Abstract [English summary modified]: A general review of the current literature. In addition to the usual US drugs, comments about the Czech anti-euphoriant (for agitated, manic patients) phenohexane, bis-homoreserpine which author found essentially same as reserpine clinically, chlorproheptadine (Cl analog of amitriptyline), dichlorpromazine, the Hungarian trioxazine and the Soviet di-isopropylputrescine and a few other Czech analogs of drugs well known in the West. One Hungarian, 6 Soviet, 33 Czech and 70 Western references.

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CZECHOSLOVAKIA

A. UHERIK, Psychological Laboratory of the Slovak Academy of Sciences
(Psychologické laboratórium SAV [Slovenská Akadémia Vied]) Bratislava.

"Use of the Skin Galvanic Reflex."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 105-113.

Abstract: Brief summary of the literature starting with 1881, with report on own work since 1955: effect of intensity of conditioned and unconditioned reflex on course of basic and conditioned skin galvanic reaction varying the (acoustic) stimulus intensity and experimental subjects; study of skin galvanic reflex as indicator of body alert in role situations; diagnostic use in 27 psychiatric patients and 16 controls; comprehensive discussion of results. Eight graphs; 10 Czech 3 Soviet and 21 Western references.

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CZECHOSLOVAKIA

J. KRIVORLAVY [Affiliation not stated.]

"Psychological Studies SAV III. SAV Publisher, Bratislava 1961,
Editor Damian KOVAC."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 115-118.

Abstract: Review of this publication of 283 pages including 14 articles by authors affiliated with the Slovak Academy of Sciences Psychological Laboratory. Papers on theory of learning (1 review, 1 experimental,) discrimination in learning, diagnostic applications of skin galvanic reflex, emotional reactivity in tubercular patients, statistical methods in psychology, 2 papers by Hungarian authors; all 14 are reviewed and discussed.

1/1

CZECHOSLOVAKIA

Veronika KARPATY, Istvan KARPATY and Anton JURKO, Botanical Institute of the Hungarian Academy of Sciences in Veszprém, Hungary; and Slovak Institute for the Care of National Monuments and Protection of Nature, Bratislava. [Original-language versions not given]

"Riparian Alder Clusters in the Eucarpatic and Pannonian Central Mountains."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 97-120.

Abstract. * [German summary modified]: Detailed study of the alder trees in Slovakia and Hungary. The principal associations are Aegopodio-Alnetum (pannonicum in Hungary, pannonicum in Slovakia.) Two tables show well over 100 species of plants with distribution patterns in the 2 countries; specialized flora maps of Hungary and Slovakia; photograph; 3 tables; chart; 9 Czech, 5 Hungarian and 4 Western-language references.

* [German article]

1/1

CZECHOSLOVAKIA

František ČERNÝ [Affiliation not given] Vyškov.

"Some New Original Species of Czechoslovak Flora."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 121-123.

Abstract [German summary modified]: Description of 4 new species discovered by author in 1961 in the Nizke Poloniny hills in Eastern Slovakia: *Agrimonia pilosa* Ledeb., *Cornus australis* C.A. Meyer, *Lapsana grandiflora* M.B. and *Scorzonera rosea* W.K.; the third named has not been known previously to grow in this part of Europe. Drawings of the 4 plants; 7 references: 3 Soviet, 2 Czech, Bulgarian, German.

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CZECHOSLOVAKIA

Arun Kumar SHARMA and Rajat Kanti CHAUDHURI, Cytogenetics Laboratory, Botany Department, Calcutta University, India.

"Localized Chromosome Breakage Following Phenol Treatment of *Vicia faba* and *Allium sativum*."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 126-131.

Abstract [English article, summary modified]: Pyrogallol 0.3 M and hydroquinone 0.003 M affected more strongly the heterochromatin at the secondary chromosome constriction of the 2 plants named than resorcinol 0.005 M after 4, 6 and 12 hours exposure. *Allium* was killed in 48 hours by this treatment, *Vicia faba* mostly in 4 or 5 days. Authors suggest that easy fragmentation at the secondary constriction locus may indicate special lability or, more probably, actual ribonucleoprotein metabolic site. Structural formulae; 4 photomicrographs; 18 Western references.

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CZECHOSLOVAKIA

Pavel LACOK and Anna NIZNANSKA, Department of Plant Physiology, Biology Institute of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences (Oddelenie fyziologie rastlin, Biologicky ustav slovenskej akademie vied, CSAV [Ceskoslovenska Akademia Ved],) Bratislava.

"Vegetative Reproduction of Poplars."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 132-140.

Abstract [German summary modified]: Metabolic and biochemical studies of dry matter, ashes, N, P (as P_2O_5), K (K_2), Ca (CaO), ether-extractible and reducing substances, starch and cellulose in 1- and 15-year old poplars. N, P and K are localized in the vegetative; starch, Ca and cellulose in the basal parts. Cellulose is higher in young, Ca and ether extractives in older trees; paper chromatography of amino acids and sugars shows that former increase, latter decrease during root formation, without qualitative changes. Four tables, 5 chromatograms, 1 electrophoregram; 7 Western and 8 Czech references.

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CZECHOSLOVAKIA

Milan RAPOS, Department of Histology and Embryology of Medical Faculty, Comenius University (Katedra histologie a embryologie Lekárskej fakulty University Komenského,) Bratislava.

"The Problem of the Microglial Cell in the Peripheral Nervous System."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 141-144.

Abstract [German summary modified]: Histologic studies in chicken embryos from the 5th day of incubation to hatching; mostly ameboid macrophages are already present on day 5; these change to microglia-like cells. Plate with 12 colored photomicrographs; 14 Western references.

1/1

CZECHOSLOVAKIA

Ivan VELIKY and Katarina HORAKOVA, Department of Technical Microbiology and Biochemistry, Chemical Faculty, Slovak Technological College (Katedra technickej mikrobiologie a biochemie, Chemická fakulta, Slovenska vysoka skola technicka,) Bratislava.

"Effect of Cobalt on the Growth of HeLa Cells."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 145-148.

Abstract [German summary modified]: One, 3 and 5 mg. of Co (as $\text{CoCl}_2 \cdot 6 \text{H}_2\text{O}$) per liter of nutrient fluid stimulated, 10 to 50 mg. inhibited, and 60 to 100 mg. killed HeLa cells; optimum was 1 mg.; inhibitory concentration 50 was 15 mg.; inhibitory concentration 100 was 50 mg. Chart, 2 tables; 7 Western and 2 Czech references.

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CZECHOSLOVAKIA

Vítoslav MISK, Fisheries Laboratory (Laboratorium rybarstva,) Bratislava.

"Numbers and Weights of Fishes in the Drainage Channels of Zitny Ostrov."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 149-155.

Abstract [German summary modified]: Details on methods used and results obtained in measurement of water surface area density and water course length density in numbers of specimens and weights of 18 species of fish from 4 channels of the Zitny Ostrov. Total fish in area is 250,000 units, weighing a total of 27.500 Kg. Five tables, 1 Czech reference.

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CZECHOSLOVAKIA

Ales SMETANA, [Affiliation not stated,] Prague.

"*Oxypoda nigricornis* Motach., a New Boreoalpine Species in the Czechoslovak Fauna (Col., Staphylinidae.)"

Bratislava, Biologia, Vol 18, No 2, 1963; pp 156-160.

Abstract [German summary modified]: Detailed description of this species formerly known to inhabit only the Alps and Scandinavian mountains, now reported in the High Tatra; related to *Oxypoda opaca* Grav. Anatomical sketch, map of Europe showing habitats; 11 Western-language references.

1/1

CZECHOSLOVAKIA

Erich MINARIK, Dipl. Ing., CSc; Research Institute for Enology and Wine Industry [Original version of affiliation not stated], Bratislava.

"Occurrence of *Saccharomyces coreanus* Saito on Grapes."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 160-163.

Abstract [German article; English summary modified]: From grapes and cider in West Slovakia, 2 strains of this rare Far-Eastern yeast were isolated. Tabulation of comprehensive biochemical characteristics shows relationship to the strain as described by Kudriawzew. Four drawings of cells, table; 4 references: 1 Soviet, Dutch text, personal communication, Slovak thesis by author.

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CZECHOSLOVAKIA

Karol PACHINGER, Department of Zoology, Faculty of Natural Sciences, Comenius University (Katedra zoologickej Prir. dovedeckej fakulty Univerzity Komenského,) Bratislava.

"Cranimorphology of the Red Field Mouse (*Apodemus microps* K-R)."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 164-165.

Abstract: Craniometric specifically dental root data on this small mammal; comparisons with *Apodemus agrarius*, *A. sylvaticus*, and *A. flavicollis*. Table, drawing; 3 references: 2 Czech include author's thesis, German.

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CZECHOSLOVAKIA

Josef M. STUSAK, Department of Zoology, College of Agriculture (Katedra zoologie, Vysoka skola zemedelska,) Prague.

"Hyalochiton komaroffi (Jak.) in Czechoslovakia (Heteroptera, Tingidae.)"

Bratislava, Biologia, Vol 18, No 2, 1963; p 163.

Abstract: Finding of 2 specimens is reported. The species is so striking that it could not have escaped the attention of entomologists if it were indigenous; hence the individuals caught must have migrated from the Mediterranean. Three references: Hungarian, Soviet, German.

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CZECHOSLOVAKIA

L. HANUSKA [Affiliation not stated]

"Docent Rudolf Sramek-Husek, Dr. Sc."

Bratislava, Biologia, Vol 18, No 2, 1963; p 166.

Abstract: Brief sympathetic obituary of ornithologist - limnologist - hydrobiologist who died in June 1962 at age 55; review of his scientific and organisational activity.

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CZECHOSLOVAKIA

L. RABANOVA [Affiliation not stated]

"Professor Dr. Harol Kruby."

Bratislava, Biologia, Vol 18, No 2, 1963; pp 167-168.

Abstract: Obituary of this experimental cytogeneticist who was recently killed in an automobile accident at age 52: review of administrative functions and activity, scientific research work and publications, photograph.

1/1

CZECHOSLOVAKIA

V. GROSSMANN, H. DYNIAKOVA, J. SLAHO and J. KOENOVÁ, Department of Pharmacology, Medical Faculty of Charles University (Farmakologický ústav lékařské fakulty KU [Karlovy University] Head (prednosta) Prof Dr V. GROSSMANN, Hradec Králové.

"Change in Effect of Epinephrine and Norepinephrine on Blood Pressure in Irradiated Animals."

Prague, Casopis Lékařů Českých, Vol 102, No 7, 15 Feb 63; pp 169-172.

Abstract [English summary modified]: Change in blood pressure response to the 2 amines in rats and mice receiving 600 r, and rabbits 1000 r: intravenous toxicity increases, blood pressure effect in anesthesia decreases (with epinephrine, no decrease at very high doses); no change in effect on isolated heart. Speculatively changes are of central origin; possibly also due to increased sensitivity of heart. Seven graphs; 9 references: 6 Western, Czech, Polish, Soviet.

[1/1]

CZECHOSLOVAKIA

J. ELIS and B. RYBOVÁ, Central Pharmacology Laboratory of the Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences (Ústřední farmakologická laborator Ústavu organické chemie a biochemie CSAV [Československé Akademie Věd] Head Prof Dr E. RÁSKOVÁ, DrSc, Prague.

"Effect of Tetanus Toxin on Interoception."

Prague, Casopis Lékařů Českých, Vol 102, No 7, 15 Feb 63; pp 173-175.

Abstract [English summary modified]: 3 groups of 20 or more cats each, A normal, B pretreated with 10 mcg. tetanus toxin i.m. (0.05 of MLD/Kg.) t.i.d. for 2 to 4 days before test, and C horse serum 0.1 cc. s.c. 3 weeks before test; anesthesia, tetanus toxin to perfused carotid sinus, acetylcholine. Increased sensitivity to tetanus toxin, block of the acetylcholine response in group B; dose-response relationship good. Four kymographs, 2 Czech, 3 Soviet and 1 Western reference.

[1/1]

CZECHOSLOVAKIA

O. GULDA, Department of Pharmacology and Experimental Pathology of the Pediatric Faculty of Charles University (Ustav farmakologie a pokusne patologie fakulty detskeho lekarstvi KU [Karlova University]) Head (prednosta) Prof Dr H. RASKOVA, DrSc; Prague. Present affiliation of author: Department of Pharmacology, Medical Faculty J.E. Purkyne University (Katedra farmakologie lekarske fakulty UNEP [Universita J. Ev.Purkyn], Brno.

"Effect of Reserpine and Repeated Administration of Phenol on Lethal Dose of Staphylococcal (Wood 48) Toxin."

Prague, Casopis Lekarů Českých, Vol 102, No 7, 15 Feb 63; pp 176-179.

Abstract [English summary modified]: Neither 2 mg./Kg. reserpine i.v. 1 hour before, nor "catecholamine-depleting dose" of 5 mg/Kg. s.c. 36 hours before the toxin affected significantly the response to the latter, but 0.01% solution of phenol, 0.05 cc. s.c. for 12 days, then 3 days pause, then toxin, did decrease toxic effect. Speculation about mode of action: via histamine, or tissue enzyme sensitivity. Two graphs; 31 Western and 5 Czech references.

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CZECHOSLOVAKIA

Z. FINK and M. SAJDA, Military Medical Research and Postgraduate Institute (Vojensky lekarsky vyzkumny a doskolovací ustav) J.Ev.Purkyne, Hradec Kralove.

"Reactions Elicited by Organic Phosphates in Some Interceptive Systems."

Prague, Casopis Lekarů Českých, Vol 102, No 7, 15 Feb 63; pp 179-182.

Abstract [English summary modified]: Experiments with sarin and tabun in cats and rabbits (0.05 to 5 mg.) to general circulation or circulation of isolated ileal loop, rabbit ear, kidney, carotid sinus. Early phase is typical of systemic acetylcholine accumulation; later repeated administration of organic phosphate then acetylcholine may cause shock and death; reflex mechanism is postulated, suggesting a participation of nervous system in intoxications with organic phosphates. Four kymograms; 8 Soviet, 5 Czech and 5 Western references.

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CZECHOSLOVAKIA

V. JELINEK and M. SEMONSKY, Pharmacy and Biochemistry Research Institute (Vyskumny ustav pro farmacii a biochemii) Head (reditel) Ing O. NEMCEK, MD, Prague.

"Cancerostatic Effect of the 3-4-methoxybenzoyl-3-brom(chlor)acrylic Acid."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 183-185.

Abstract [English summary modified]: Study of 2 p-methoxyphenyl, di-Cl(or Br) lactones (and their hydrolysis acids) on 6 experimental tumors, compared with effect of 5 cancerostatic drugs on same systems. Title acid is shown to be the best compound, trials in man are urged starting at 5 mg./Kg of the aqueous sodium salt. Three tables, 5 references by authors' group, 1 US.

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CZECHOSLOVAKIA

K. MASEK and I. JANKU, Central Pharmacology Laboratory of the Czechoslovak Academy of Sciences (Ustredni farmakologicka laborator CSAV [Ceskoslovenske Akademie Ved]) Chief (vedouci) Prof Dr H. RASKOVA, DrSc, Prague.

"Effect of Some Substances on Intoxication with Shigella shigae Toxin."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 185-188.

Abstract [English summary modified]: Either serotonin 0.2 mg./Kg. i.v. or reserpine (1 mg./Kg. s.c. to mice kept at 4° centigrade for 4 hours before inoculation) 1 to 48 hours before lethal dose (4×10^{-5} cc) of Shigella shigae toxin significantly prolonged life; reserpine without cold had less but still significant effect; dibenamine, chlorpromazine, pentamethonium, hydrocortisone, norepinephrine and cold alone had no significant effect; epinephrine, iproniazid and pyrogallol significantly shortened survival time. Six graphs, 13 references: 12 English-language, 1 unpublished data by authors.

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CZECHOSLOVAKIA

Prof Jan NAVRATIL, MD, DrSc [Affiliation not stated]

"Seventieth Birthday of Prof Josef PODLANA, MD, DrSc."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 190-192.

Abstract: Biographical sketch of this surgeon with wide interests, mainly general abdominal thoracic surgery, teacher and former Dean of Medical School in Brno; 92 scientific articles, 29 reviews and minor publications, textbook of pediatric surgery. Sympathetic comments, biographical data, photograph of Dr PODLANA; bibliography of all his publications.

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CZECHOSLOVAKIA

L. CERNIK, Internal Medicine Clinic of Medical Faculty of Charles University (Klinika chorob vnitřních lékařské fakulty KU [Karlovy University] ,) Head (prednosta) Prof Dr K. BOBEK, Plzeň; and Department of Internal Medicine of the Hospital of Vietnamese-Czechoslovak Friendship, Hai-Phong, Vietnamese Peoples' Republic.

"Some Manifestations of Allergy in the Tropics."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 25-31 of separately paginated "Medical Science Abroad" (Lékařská věda v zahraničí.)

Abstract: Review of literature on parasitic allergies, skin tests in parasitology; diagnostic significance and evaluation of eosinophilia; course of eosinophilia in some parasitic infestations; Herxheimer type of drug allergy; food allergy; mycoses and bronchial asthma in the tropical countries. Seven Czech, 1 Soviet, 1 Chinese, 23 Western refs.

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CZECHOSLOVAKIA

J. BROD, Chief (reditel) Docent, DrSc, Institute for Cardiovascular Disease Research (Ústav pro choroby oběhu krveho), Prague

"Advances of English Nephrology and Cardiology During the Past Five Years."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 31-36 of separately paginated "Medical Science Abroad" (Lekarska Veda v zahraničí.)

Abstract: Author updates his 1957 review after new visit to London, Oxford, Cambridge, Bristol, Manchester, Edinburgh and Belfast; naming heads and principal investigators or teachers in institutions, mainly academic, and their chief research interests and projects. A very wide field of physiological, pathological, surgical and pharmacological research is reviewed rapidly.

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CZECHOSLOVAKIA

V. GROSSMANN, Head (prednosta) Department of Pharmacology of Medical Faculty of Charles University (Ústav farmakologie lékařské fakulty KU [Karlové University]), Hradec Králové.

"Discussion on Symposium: Biological Effects of Ionizing Radiation on the Molecular Level."

Prague, Casopis Lekaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 36-38 of separately paginated "Medical Science Abroad" (Lekarska veda v zahraničí.)

Abstract: Symposium held in Brno July 1962, sponsored by International Atomic Energy Agency; 22 Czechoslovak and 66 foreign participants; themes on effect of radiation on: proteins, nucleic acids, macromolecules, macromolecular biosynthesis, submicroscopic structures and phages; basic mechanisms of physical and chemical effect, and basic mechanisms of protection.

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CZECHOSLOVAKIA

J. H. CORT, Institute for Research on Cardiovascular Diseases (Ústav pro choroby oběhu krveho) Chief (reditel) Docent Dr J. BRD, Prague.

"Report about the Discussion on Hormones and the Kidney Held by the Endocrinologic and the Physiology Society and the Nephrologists Association on September 19-21 1962 in Cambridge (England)."

Prague, Casopis Lekarů Českých, Vol 102, No 7, 15 Feb 63; pp 38-40 of separately paginated "Medical Science Abroad" (Lékařská věda v zahraničí.)

Abstract: Abstracts of 10 papers presented at that meeting: 4 on hormonal parameters of electrolyte excretion; 3 on pituitary peptides, and their relation to the renal function; and 3 on formation and function of renin.

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CZECHOSLOVAKIA

G. SERRA, Neuropsychiatric Clinic of the Medical Faculty, University of Palermo, Italy; Head Prof Dr A. RUBINO [original versions not given]

"Electromyographic Findings in Obliterating Vascular Diseases."

Prague, Československá Neurologie, Vol 26(59), No 1, Jan 63; pp 1-8.

Abstract [English summary modified]: Studies in 100 patients with various vascular affections and in controls: functional tests in 30 with obliterating arteriosclerosis of legs; 4 stages of the disease are described. In 10 patients with arteriopathies (Raynaud, Burger), electromyographic concomitants of smoking 1 cigarette: data in 10 healthy persons. Study of effect of DNP, ATP, Fe, Vitamins C and B group on activity potentials. Vasodilator clinical pharmacology: 30 patients, EEGs and EMG correlations. Study and treatment should be based on local biochemical events. Six EMGs; about 60 references: 2 Czech, 1 Soviet, about 50 Italian, rest other Western languages.

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CZECHOSLOVAKIA

KREJCI, F.; Chair of Neurology (Neurologická katedra) at the UDL [Ústav doskolování lékařů; Institute for Postgraduate Medical Training], Prague; chief (vedoucí), Prof Dr Z. MACEK.

"An EEG Integrator."

Prague, Ceskoslovenska Neurologie, Vol 25 (59), No 1, Jan 63, pp 9-11

Abstract [English summary]: A simple EEG integrator is described. Its purpose is to express in numerically comparable values changes observed in the EEG and caused by different conditioned reflexes. Six references, predominantly Western.

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CZECHOSLOVAKIA

J. Klapetek, Neurology Clinic, Medical Faculty of Palacky University (Neurologická klinika Lékařské fakulty PU [Palackého Univerzity]); Head (prednosta) Prof Dr J. HRBEK, DrSc, Olomouc.

"An Improved Paste for the Attachment of Electrodes."

Prague, Ceskoslovenska Neurologie, Vol 25(59), No 1, Jan 63; pp 12-17.

Abstract [English summary modified]: Author developed an improved bentonite paste containing tragacanth and an increased quantity of glycerine in addition to CaCl. Use in electroencephalography in his clinic for one year confirmed suitability in all respects; no artefacts as from motor restlessness. Three EEGs; 4 US and 1 Czech reference.

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CZECHOSLOVAKIA

K. ZUSKA, Neurology Department, Okras Institute of Public Health (Neurologické oddelenie OUNZ [Okresni ustav narodniho zdravi] Head (prednosta) L. BEVILAQUA, M.D., Martin.

"Value of Apnea as Activating Method in Electroencephalography."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 18-20.

Abstract [English summary modified]: Use of apnea in 1050 patients (620 male; 372 epileptics.) Method is considered unsatisfactory since it depends upon patient cooperation which is poor (in 708 of the 1050 duration of apnea was only 30 seconds or less) and upon an unphysiologic procedure. Two tables, 2 English-language references.

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CZECHOSLOVAKIA

J. KOLOUSEK, Biophysical Institute of the Faculty of General Medicine of Charles University (Biofyzikální ústav fakulty všeobecného lékařství KU [Karlova University]) Head (prednosta) Docent Dr Z. DIENSTBIER, CSc; Prague; J. KOHOUT, MD, Head, Nerve Department (Nervové oddelení), OUNZ Strakonice; Z. PINTA, Nerve Department Polyclinic (poliklinika) OUNZ Beroun; and Dr F. BOŠKA, Head, Nerve Department of Military Hospital (Vojenská nemocnice), České Budějovice.

"Anti-Epileptic Effect of Methionine."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 21-26.

Abstract [English summary modified]: Perorally di-methionine 200 to 300 mg. t.i.d. in 58 patients: of 39 with grand mal, attacks decreased 50% in 20, 25% in 12; of 6 psychomotor, 50% decrease in 3; of 9 petit mal, 50% in 6 and 25% in 3; Jacksonian no effect in 2. Effects were best in children. Speculative discussion. Table, 4 Czech, 3 Hungarian, 3 Soviet and 15 Western references.

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CZECHOSLOVAKIA

V. KVICALA and J. STEIN, Neurology Clinic (neurologická klinika) Head (prednosta) Academician K. HENNER; Laboratory for Pathophysiology of the Nervous System (Laborator pro patofyziologii nervové soustavy) Head Academician K. HENNER; and Biophysical Institute (Biofyzikální ústav) Head Docent Dr Z. DIENSTBIER, CSc; Faculty of General Medicine Charles University (Fakulta všeobecného lékařství KU [Karlova Universita]) Prague.

"Effect of Radioactive Isotopes on the Electroencephalogram."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 27-32.

Abstract [English summary modified]: EEG studies before and 24 & 48 hours after administration of diagnostic doses of I^{131} . In 5 patients, the EEG was worse, in 2 (pituitary adenoma, metastatic tumor of posterior fossa) marked improvement; analysis and conclusions: I^{131} does not affect EEG. Graph, 3 EEGs, 2 tables; 8 Soviet and 10 Western references.

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CZECHOSLOVAKIA

M. ROTHOVA and B. ROTH, Third Pediatric Clinic (III. dětská klinika) Head Prof Dr O. VYCHYTIL; and Laboratory for Pathophysiology of the Nervous System, Faculty of General Medicine, Charles University, Prague.

"Focal Reflex Epilepsy to Tactile Stimuli in a Child."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 33-35.

Abstract [English summary modified]: Epileptic attacks in boy of 12 were elicited by tactile stimulation of upper right thigh, buttocks and groin. Treatment with 'sodanton' produced marked improvement. Case report; 4 Czech and 1 Western text (Penfield & Jasper).

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CZECHOSLOVAKIA

F. HANZAL, Neurology Clinic of the Faculty of General Medicine of Charles University (Neurologická klinika fakulty všeobecného lékařství KU [Karlova University]) Head (prednosta) Academician K. HEJWEL, Prague.

"Incidence of Cerebral Tumors and Comments on Diagnosis."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 36-44.

Abstract [English summary modified]: Data on 559 cases, 1951-1960. Of these, histologic operative or necropsy specimens were available on 479. Classification by 23 diagnostic types and frequency of each; 11 classes of tumors. Two tables, graph; 10 Czech, 4 Soviet and 8 Western references.

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CZECHOSLOVAKIA

B. BLEHOVA, A. HEYROVSKY, J. NEBUDOVA and Z. VOTAVA; Pediatric Clinic (detská klinika) Faculty of Hygiene (hygienická fakulta); Cardiovascular Laboratory (Kardiologicko-vascularní laborator); Neurology Clinic of the Faculty of General Medicine; and Pharmacology Department (Farmakologický ústav) of the Faculty of Hygiene; Charles University, Prague.

"Treatment of Wilson's Disease with Penicillamine and GUAJACURAN."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 45-49.

Abstract [English summary modified]: Cupruria decreased strikingly in 3 patients treated with penicillamine perorally 0.5 to 1 Gm./day, but without concomitant clinical improvement. In 1 patient, guajacuran treatment was followed by spectacular improvement but recurrence was guajacuran-refractory and fatal. Three case reports; 2 Czech, 4 English-language references.

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CZECHOSLOVAKIA

1. LESNY and M. ROSSLER, Electrobiological Laboratory of the Neurology Clinic of the Faculty of General Medicine (Electrobiologické laborator neurologické kliniky fakulty všeobecného lékařství) Head (prednosta) Academician K. HENNER; and First Pediatric Clinic of the Faculty of Pediatrics (I. dětská klinika fakulty dětského lékařství) Head Prof Dr J. SVEJCAR; Charles University (KU [Karlova Univerzita]), Prague.

"Premature Electroencephalogram."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 50-54.

Abstract [English summary modified]: EEGs of an adult type were found in 4 boys aged 10, 16, 17 and 48 months; all had a delayed development of the central nervous system and 3 also had hypotonic infantile cerebral palsy. Four case reports with 4 EEGs; no references.

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CZECHOSLOVAKIA

2. MACIEK, Chief (vedoucí) Department of Neurology (Neurologická katedra), Institute for Graduate Education of Physicians (UUL [ústav pro doktorskou přípravu lékařů]); K. RIEGROVA and M. SUTA, Neurology Clinic, Faculty of General Medicine of Charles University (neurologická klinika fakulty všeobecného lékařství) Head (prednosta) Academician K. HENNER; Charles University (KU [Karlova Univerzita]), Prague.

"Diencephalic Lesion with Chronic Outward Ophthalmoplegia and Secondary Myopathy."

Prague, Ceskoslovenska Neurologie, Vol 2 (59), No 1, Jan 63; pp 55-56.

Abstract: Case report of atypical cerebral affection of 25 years' duration in man aged 53: epilepsy and manifold neurologic, psychiatric and endocrine deficiencies. No references.

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CZECHOSLOVAKIA

Svatopluk NOVOTNY, MD [Affiliation not stated]

"Discussion to the Article by J. DOBIAS and KLIMKOVA-DEUTSCHOVA on "Intradural Lipoma of the Spine." in the Ceskoslovenska Neurologie 24, 5/351-357, 1961."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; p 62.

Abstract: Author points out that, contrary to the statement of the above authors, there was a case previously published of this type; by him in the Czech literature in Reshledv v Chirurgii 1959; also presented in two neurology meetings prior to publication in toto; however, no damage is done in the article by the above authors since their case was slightly different and therefore presumably worth publishing also.

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J. DOBIAS and E. KLIMKOVA-DEUTSCHOVA [Affiliation not stated]

"Reply to the discussion by Dr. Sv. NOVOTNY to the Article on the "Intradural Lipoma of the Spine" in the Ceskoslovenska Neurologie 24, 5, 351-357, 1961."

Prague, Ceskoslovenska Neurologie, Vol 26(59), no 1, Jan 63; pp 62-63.

Abstract: Polemical rebuttal of the authors of challenged article: the challenger's article was published after the authors' one was submitted; there were many important and interesting and unique features to their case report, and anyway it does not seem fitting to start a priority argument about a case report in which no novel methodological or technical developments are reported.

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CZECHOSLOVAKIA

K. HENNER [Academician, Department of Clinical Neurology, Faculty of General Medicine, Charles University, Prague.]

"Ninety Years of Academician Josef PELNAR, Pioneer of Czechoslovak Neurology."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 64-65.

Abstract: Brief biographical scientific review of the activity of Prof. PELNAR and his principal publications and textbooks in neurology in 1912 and 1923; and mention of several of his scientific studies. Photograph.

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CZECHOSLOVAKIA

K. HENNER [Affiliation above]

"Fiftieth Anniversary of Primarius Dr. Josef KOHOUT."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; p 65.

Abstract: Brief laudatory review of the scientific activity of Dr KOHOUT on the occasion of his fiftieth birthday; although he is only working in a provincial center, he built it into a scientific unit which is excellently organized and enjoys wide prestige in neurologic circles in Czechoslovakia and even abroad.

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CZECHOSLOVAKIA

K. HENNER [Academician, Department of Clinical Neurology, Faculty of General Medicine, Charles University, Prague.]

"Fifty Years of Docent Dr Zdenek MIRATSKY, CSc."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 65-66.

Abstract: Laudatory scientific biography of Dr MIRATSKY, who has been working in neurology for 23 years now, since 1939: Pavlovian reflex theory and applications, histamine in migraine; organizational talents and activities.

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CZECHOSLOVAKIA

P. MIKULA [Affiliation not given]

"New Data About the Mitochondria."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 69-70.

Abstract: Primarily a review of the data presented by D.E. Green of the University of Wisconsin at the Moscow Biochemical Congress in 1961; electron microscope morphology of mitochondria, their functions and metabolic patterns. One illustration, no references.

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CZECHOSLOVAKIA

I. LESNY [Affiliation not given]

"The Second Convention of the International Study Group of the British
"National Spastic Society" on Pediatric Neurology and Early Children's
Cerebral Paralysis."

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 1, Jan 63; pp 66-68.

Abstract: Report about this meeting held in Oxford in October 1960 and
based on material and conversations with Prof Dr J. GIZKOVA-PISAROVICOVA
who was only representative from Czechoslovakia. Abstracts of various
papers presented with names of authors and affiliations.

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CZECHOSLOVAKIA

L. HANZLICEK, Psychiatry Research Institute (Vyskumny ustav psychiatricky)
Prague.

"Methods in Biochemical Research on Schizophrenia."

Prague, Ceskoslovenska Psychiatria, Vol 38, No 6, 1962; pp 361-364.

Abstract: An essay discussing primarily the development of theories and experiences on alimentary and humoral concomitants of schizophrenia; concluding with an abstract summarization of requirements for the most productive directions of forthcoming research.

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CZECHOSLOVAKIA

J. SENEK, Psychiatry Clinic, Faculty of General Medicine, Charles University (Psychiatricka klinika fakulty všeobecného lékařství KU [Karlove University],) Prague.

"The 'Extensive' and 'Intensive' Types of Research in Psychiatry."

Prague, Ceskoslovenska Psychiatria, Vol 38, No 6, 1962; pp 364-369.

Abstract: A general review of theoretical requirements for productive research studies involving large groups and for the individual case or small groups; each type has its difficulties which are enumerated and discussed. A table summarizes the differences between the 2 by 7 parameters.

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CZECHOSLOVAKIA

J. MADLAFOUSEK and K. FREUND, Psychiatry Research Institute (Vyskumny ustav psychiatricky), Prague.

"Realistic Animal Models."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 369-371.

Abstract: Animal research has changed vastly since the end of the early post-war period, with much development in humoral, biochemical, social and stereotactic studies and experiments. These and future trends are discussed abstractly. No references.

CZECHOSLOVAKIA

Z. WUNSCH, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy university) Prague.

"Some Models in Psychiatry."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 371-375.

Abstract: Experimental models already implicitly contain built-in hypotheses, and can thus never be entirely objective. Their suitability depends on the closeness of the correspondence between the real situation and the hypothetical base of the model. Cybernetics and their applications are discussed in some detail from an abstract point of view. One Soviet and 1 German reference.

CZECHOSLOVAKIA

K. FREUND, Psychiatry Research Institute (Vyskumny ustav psychiatricky) Prague.

"Concluding Remarks."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 375-376.

Abstract: Discussion of the preceding three articles, all on various aspects of research in psychiatry. Extensive and Intensive research in psychiatry each have their own set of rigid rules; experimental animal models must be predicated on conformity to known facts; new orientations in psychiatric research are, however, also needed.

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CZECHOSLOVAKIA

P. BAUDIS, V. LAHN, J. VANA and S. VTRI, Psychiatric Clinic of the Medical Faculty of Charles University and Central Biochemical Laboratory of the Teaching Hospital (Psychiatricka klinika lebarske fakulty Karlovy University a ustrejni biochemicka laborator fakultni nemocnice) Plzen.

"Metabolism of Serotonin in Psychotics."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 377-382.

Abstract [English summary modified]: Studies of 5-hydroxy-indolacetic acid excretion in 32 psychotic patients and 50 normal controls. In 12 patients of the schizophrenic and manic-depressive group excretion was essentially identical with that in the controls. Iproniazid and electric shock therapy changed the excretion; the former in both directions, the latter increasing it. Serotonin administration decreased excretion in 10 schizophrenics. Flow schema of tryptophan indole metabolites; 4 graphs; 4 Czech and 18 Western references.

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CZECHOSLOVAKIA

M. VOJTECHOVSKY, S. GROJ and V. VITEK, Institute for Nutritional Research (Ustav pro vyskum vysivy), Fourth Psychiatry Department Kraj Institute of Public Health (4. Psychiatrické oddelení UNZ (Krajské ústav národního zdraví), and Institute for Experimental Therapy (Ustav experimentální terapie), Prague.

"Clinical and Experimental Study of Central Effects of Adrenochrome."

Prague, Ceskoslovenska Psychiatria, Vol 58, No 6, 1962; pp 383-393.

Abstract [English summary modified]: Synthetic adrenochrome, from one home-made and one imported batch, administered sublingually 15 or 30 mg. to 15 volunteers including 5 psychiatric patients. Psychotic reactions were nearly universal, resembling LSD and psilocybin effects in some of the patients. Comprehensive data from this study tend to confirm hypotheses of Saskatchewan group that schizophrenia is somehow related to metabolic deficiencies of epinephrine breakdown. Table, 2 graphs; 3 Czech, 1 Soviet, 13 Western references.

CZECHOSLOVAKIA

A. BUKOWCZYK, Psychiatry Clinic of the University of Zurich, and Psychiatry Clinic of the Medical School in Lodz [Switzerland resp. Poland.]

"Study of Infantilism in Psychiatric Patients."

Prague, Ceskoslovenska Psychiatria, Vol 58, No 6, 1962; pp 394-401.

Abstract [English summary modified]: Study of 9 patients with infantilism, chosen among 560 patients at University Psychiatric Clinic in Zurich; and of their relatives; compared with 20 other such patients studied previously. Sexual maldevelopment was striking. Hereditary factor seems definitely present; endocrine, nutritional and socio-economic factors participate. One Soviet, 1 Czech, 1 Polish and 63 Western references.

CZECHOSLOVAKIA

Vl. SEDIVEC and M. KOLOMAZNIK, Psychiatry Clinic of Medical Faculty of Charles University, Plzen.

"Etiopathogenesis of Stauder's Lethal Catatonia."

Prague, Ceskoslovenska Psychiatria, Vol 58, No 6, 1962; pp 42-405.

Abstract [English summary modified]: Description of case in man aged 31. He had been ill with tuberculosis which followed influenza in 1958, treated with isoniazid for 2 years. Admitted agitated, treated with chlorpromazine 300 mg./day intravenously; fever supervened while he quieted down; unresponsive to antibiotics; catatonic stupor ending in death 9 days after admission. "The peracute and fatal course of the catatonia is accounted for by the concurrent pulmonary condition... Lethal catatonia is considered to be a form of schizophrenia with a peracute course under conditions of weakened defensive powers of the organism." Three Soviet, 3 Czech, 4 Western references.

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CZECHOSLOVAKIA

Ch. CHRISTOZOV, Chair of Psychiatry, Medical School, Sofia, Bulgaria. [original version not stated].

"Pathophysiological Explanation of Obsession Neurosis."

Prague, Ceskoslovenska Psychiatria, Vol 58, No 6, 1962; pp 406-410.

Abstract: Clinical data on 83 patients seen 1953-1959; in 21 the higher nervous activity was studied; methodology of investigation is given, with explanation of results based on Pavlovian teachings. Six Soviet references.

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CZECHOSLOVAKIA

R. POKORNY, Psychiatric Hospital (Psychiatricka lecebna) Horni Berkovice.

"Treatment of Pulmonary Edema During the Course of Post-Hypoglycemic Coma."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 411-413.

Abstract: Report about 2 cases which could be saved, apparently due to timely administration of intravenous prednisone derivative. The mechanism of effect is discussed. No references.

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CZECHOSLOVAKIA

J. BASTECKY, Psychiatric Hospital (Psychiatricka lecebna) Prague 8.

"Experiences with Mellaril Treatment."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 413-414.

Abstract : Use of thioridazine Sandoz in 50 women with depressive and paranoid psychoses; 150 to 500 mg. daily for several weeks to several months. Eleven other patients with cerebral arteriosclerotic changes and depression, and 19 women with postpartal psychoses. Good effects, minor side effects in all 3 groups. No references.

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CZECHOSLOVAKIA

Jar. STUCHLIK [Affiliation not stated]

"The Historical Beginnings of Psychiatry in Kosice."

Prague, Czechoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 414-418.

Abstract: Review of the development and growth of psychiatric research and patient care in Eastern Slovakia from February 1919 through 1938, by the man who was responsible for it. Many names of clinicians and teachers, former students who now hold important posts in Czechoslovakia, other European countries and the US. Two German and 13 Czech references.

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CZECHOSLOVAKIA

Jan GERNY [Affiliation not stated] Brno.

"Academician A.D. ZURABSVILI in Czechoslovakia."

Prague, Czechoslovenska Psychiatrie, Vol 58, No 6, 1962; p 420.

Abstract: Brief biographical review of the Soviet neuropsychiatrist aged 60; enumerating principal scientific interests, publications and organizational responsibilities.

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CZECHOSLOVAKIA

Engr Dr Jaromir GINELKA and Karel KLEINBERG, Institute for Research on Machines of the Czechoslovak Academy of Sciences (Ústav pro výzkum stroju ČSAV [Československá Akademie Věd] Prague.

"Measurement of the Heating Characteristics of Electric Radiation Panels."

Prague, Zdravotní Technika a Vědechotechnika, Vol 3, No 6, 1962; pp 243-252.

Abstract [French summary modified]: Comprehensive study of warming and cooling times of electric heat-convection panels to determine efficiency of utilization of energy during conditions of intermittent heating. The conclusion is that this efficiency is adequate to permit such use. Two tables, 8 diagrams; 2 Czech and 2 Western references.

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CZECHOSLOVAKIA

Engr J. BRENNREITER and Karel STOLFA, "Fine Mechanics" Development Institute (Vývojový ústav Přesná mechanika), Brno.

"Central Network of Oxygen, Suction and Compressed Air in Medical Establishments."

Prague, Zdravotní Technika a Vědechotechnika, Vol 3, No 6, 1962; pp 253-258.

Abstract: The need for, and usefulness of, central supply for the centripetal usage of O₂, negative and positive pressure air should be as evident as the corresponding networks for gas, electric current, air conditioning. Various types of such installations for O₂ are described. Table, schematic, 4 photographs; 2 Czech, 1 Soviet and 1 German reference.

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CZECHOSLOVAKIA

Engr. Oldrich CHLUPAC, Institute for Studies and Standardisations
(Studijni a typisacni ustav), Prague.

"Air Conditioning Installations in Movie Projection Rooms."

Prague, Zdravotni Technika a Vdouchotechnika, Vol 5, No 6, 1962; pp
259-261.

Abstract: Discussion of various details regarding the regulations
promulgated in the Czechoslovak State Norm CSN 73 5251 which became
effective at the beginning of 1962; measurement of area, need for air
circulation and related aspects. No references.

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CZECHOSLOVAKIA

Engr. Milos TOMAIDES, CSc, ZVVZ [Abbreviation not identified,] Prague.

"Economy of Use of Air Filters. Part 2."

Prague, Zdravotni Technika a Vdouchotechnika, Vol 5, No 6, 1962; pp
262-271.

Abstract [French summary modified]: Functional efficiency of air
filters is dependent on the volume requirement, and the relation
between maximal pollution of incoming and minimal required purity of
used air. Seven graphs or nomograms; many formulae; 1 Czech and 1
US reference.

- END -

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