

CENTRAL INTELLIGENCE AGENCY

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# Bulletin

PUBLISHING HOUSE  
OF THE CZECHOSLOVAK ACADEMY  
OF SCIENCES

*April-June*  
*1958*

PUBLISHING HOUSE  
OF THE SLOVAK ACADEMY  
OF SCIENCES

PRAGUE

BRATISLAVA



# Bulletin

PUBLISHING HOUSE  
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OF SCIENCES

*April-June*  
1958

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OF THE SLOVAK ACADEMY  
OF SCIENCES

PRAGUE

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BRATISLAVA

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PUBLISHING HOUSE  
OF THE CZECHOSLOVAK ACADEMY  
OF SCIENCES

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ASTRONOMY

*Alter George,  
Ruprecht Jaroslav,  
Vanýsek Vladimír*

**Catalogue of Star  
Clusters and  
Associations**

**Catalogue of Star Clusters and Associations**

*42 pp., 783 cards, [E]*

*Kčs 140,—*

This Catalogue is intended to be a convenient working instrument for cluster and association research. Convenience, in such a case, must comprise easy accessibility, comprehensiveness and reliability. The question of easy accessibility has been solved successfully by presenting the Catalogue in the form of a card index. Comprehensiveness has been achieved by collecting the material from all the available sources. And reliability rests on the precision of the quotation in the Catalogue and on a careful revision of the proofs. The Catalogue consists of three parts, the first of which comprises 576 open clusters on 600 cards marked OCl., the second 46 star associations on 47 cards marked Ass., and the third 117 globular clusters on 136 cards marked GCl. The first part was prepared by G. Alter, the second by J. Ruprecht, and the third by V. Vanýsek. The cards include, in a very concise form, all the available information, so far published, about the properties of the objects. The first line on each card contains the designations of the object. The second line gives the positional data: equatorial co-ordinates, Epoch 1900.0, precession in R. A. and Dec. for 50 years, galactic co-ordinates, Epoch 1900.0 and the cosines. The third line contains the headings of 13 columns, corresponding to the papers referred to and to the properties of the objects. They comprise the year of publication, the author's name, the publication, data about angular diameters, distances, linear diameters, star numbers, star magnitudes, colour indices, spectra, star positions, total magnitudes, and remarks. The character of the Catalogue offers every possibility of extension, for every card can be implemented by further entries, and a number of empty cards are supplemented for such amplification. This publication appears to be the first attempt ever made, in natural science, at publishing collected material in card form.

*Bodlák Karel,  
Bouška Jan,  
Mrázek Jiří*

**Výsledky geomagnetických a ionosférických měření na observa-  
toři Průhonice u Prahy za rok 1956**

*Published by the Geophysical Institute of the  
Czechosl. Ac. of Sc., L. 8°, 160 pp., X tables, 2 suppl.  
(Cz, G), p. c.*

*Kčs 32,50*

PHYSICS  
ASTRONOMY

**Results of  
Geomagnetic and  
Ionospheric Measure-  
ments at Průhonice  
Observatory near  
Prague during 1956**

In the first part of the book Dr. Jan Bouška and Karel Bodlák report on the results of comparative measurements performed in co-operation with Polish and German geophysicists; a further chapter deals with the results of geophysical measurements at Průhonice Observatory near Prague during 1956. The second part of the book contains ionospheric measurements.

**Geofyzikální sborník. --  
Геофизический сборник  
Travaux géophysiques 1957**

*Papers of the Geophysical Institute of the Czechosl.  
Ac. of Sc., No. 61—71, L. 8<sup>o</sup>, 631 pp., 79 ill., 4 suppl.,  
[Cz, R, G, r, g, cz, e], p. c. Kčs 63,—*

**Geophysical  
Almanac**

This year's volume of the Almanac contains 11 original papers; for the first time papers on meteorology have been included.

Contents: Doc. Dr. Stanislav Brandejs: Introduction to the numerical method of weather forecasting, [Cz, r, g] — Dr. Zdeněk Gregor, Dr. Ladislav Křivský: Long-term changes in the circulation of the Atlantic-European region and their relation to the secular solar activity, [R, cz, g] — Ing. Vratislav Chudoba: Czechoslovak gravimetric survey of the 1st and 2nd order, [G, cz, r] — Dr. Jan Picha: Tide observations at Březové Hory in the years 1926—1928, [G, cz] — Ing. Rostislav Válek: Barometrical nivellation with Paulin aneroids, [Cz] — Dr. Břetislav Beránek, Milada Zounková: Results of the seismic refraction research in the region of Rimavská Sobota, [G, cz] — Ing. Dr. Arnošt Dvořák: Damage to buildings in the vicinity of chamber blasts, [G, cz, r] — Ing. František Dymáček: The design of surveying systems with respect to non-registrable zones of refracted waves, [R, cz, e] — Ing. Vít Kárník, Dr. Emil Michal, Ing. Alexander Molnár: Catalogue of earthquakes on the territory of Czechoslovakia, [G, cz] — Prof. Dr. Alois Zátpek: Seismical map of Czechoslovakia, [G, cz] — Ing. Dr. Arnošt Dvořák, Prof. Dr. Alois Zátpek: On the danger to buildings resulting from earthquakes in Czechoslovakia, [Cz].

**Matyáš Miloš**

**Povrchová oxydace kovů a slitin v plynném prostředí**

*Series Věda mění život. (Science Changes Life), Vol.  
6, L. 8<sup>o</sup>, 240 pp., 86 ill., VII suppl. on art paper, [Cz],  
h. c. Kčs 21,80*



PHYSICS  
ASTRONOMY

**Surface Oxidization  
of Metals and  
Alloys in a Gaseous  
Medium**

The monograph deals with problems connected with the corrosion of metals, which is one of the main problems of modern technology and is also important from an economic point of view. The author first reviews some laws of physics of solid matter, the knowledge of which is a condition for the explanation of the mechanisms of oxidization. He further describes the preparation of samples and the methods employed in studying oxidization experimentally. Then he explains the origin of layers of oxides under different conditions. Explanations are based throughout on the principles of modern physics of solid matter and theory is always confronted with experiments. The book gives a comprehensive view of the whole complex of problems concerned and may thus very well serve experts in the solution of specialized problems connected with the oxidization of metals; the book is written comprehensibly and the mathematics required is not too complicated, basic terms are explained in the first chapters; the book also points out problems that have not quite been solved and questions which are awaiting further research.

Schwarz Štefan

Základy nauky o riešení rovníc

*Series Studie a prameny (Studies and Sources), Vol. 16, L. 8<sup>o</sup>, 348 pp., 47 ill., (Sl), h. c. Kčs 28,—*

**Principles of the  
Solution of  
Equations**

The book aims at explaining the fundamental principles of the theory of algebraic equations with one or more unknowns, and some methods of their numerical solution. The first part of the book deals with the basic qualities of polynomials and the solution of equations up to the fourth degree. The next part deals with questions connected with the numerical solution of equations. The last part contains the proof that equations of the 5th degree are insoluble and further deals with the construction of geometrical figures with ruler and compasses. The book is accessible to a wide circle of readers due to its simple and intelligible explanation of over 350 practical examples.

Vlasov N. A.

Neutrony

*Translated by I. Chudáček, L. Rob and M. Rozkoš from the Russian original. Н. А. Власов, Нейтроны, published by the State Publishing House of Theoretical Technical Literature, Moscow 1955, Series Věda mění život (Science changes Life), Vol. 7, L. 8, 477 pp., 169 ill., 30 tables, (Cz), h. c. Kčs 38,—*

**Neutrons**

With increasing scientific and technical applications of neutrons, their study became the object of a number of original papers; thus a new field of physics was created, the physics of neutrons. N. A. Vlasov's monograph contains a systematic survey of that field of physics. It informs the reader about the fundamental qualities of neutrons, their sources, the methods of registration and ways of mutual effect of neutrons and matter; it does not deal with the fission of heavy nuclei. The book originated from lectures delivered by the author at the Leningrad University in the years 1946—1952; these were supplemented by material, published up to 1954. It acquaints the reader with the fundamental and primary facts of the physics of neutrons in the most accessible and illustrative way possible. References to world literature are up to 1954 and an index is attached.

## PERIODICALS

**Aplikace matematiky**

*Edited by the Mathematical Institute of the Czechosl. Ac. of Sc., Vol. 2 — 1957, L. 8<sup>o</sup>, six issues annually of approx. 80 pp. and 4 pp. suppl., annual subscription* Rbl 19,20 \$ 4,80 £ 1,14,0

**Applied Mathematics**

No. 6 contains (pp. 409—480): Morton Nadler: Introduction to digital computers, Part I.: A survey of computer types [Cz, r, e] — G. S. Pisarenko: Transverse oscillations of rods and energy losses in the material used [Cz, r, g] — Miloš Lánský: On the transformation GW [Cz, r, e] — Jiří Mička, Oskar Schmidt: Empirical formulae used in physico-chemical applications [Cz, r, g] — Reviews.

**Časopis československých ústavů astronomických**

*Vol. VII — 1957, 4<sup>o</sup>, six issues annually of approx. 16 pp. and 2 suppl., (Cz), annual subscription* Rbl 14,— \$ 3,5 £ 1,5,0

**Journal of the Czechoslovak Astronomical Institutes**

Nr. 6. contains (pp. 77—96): L. Perek: Conference on the co-ordination of galactic research at Stockholm, 16th to 23rd June 1957 — B. Onderlička: Wolf-Rayet stars and stars of Of-type — R. Šimon: On the question of the origin of tectites — Work of our astronomers — Advances in Astronomy — New books.

ASTRONOMY

**Чехословацкий физический журнал.**  
**Czechoslovak Journal of Physics**

Vol. 7 (*Journal of Mathematics and Physics Annual*  
81) — 1957, L. 8<sup>o</sup>, six issues annually of approx.  
128 pp. and 6 pp. suppl., annual subscription  
Rbl 60,80      \$ 15,20      £ 5,8,6

**Czechoslovak Journal  
of Physics**

No. 6 contains (pp. 643—770): V. A. Fock: On the interpretation of quantum mechanics [E] — M. Trlifaj: Theory of the non-radiant recombination of electrons at perturbation centres in polar crystals [E, r] — M. Trlifaj: The properties of excitons produced during the transition of fast charged particles through a crystal [E, r] — E. Antončík: On the theory of the spectral dependence of the quantum efficiency of homopolar crystals [E, r] — O. Litzmann: The localized vibrations of a perturbed diatomic linear chain (Abstract) [R, e] — A. Bohun, J. Trnka: The influence of chlorine on exoelectric emission and luminescence of NaCl [G, r] — L. Špaček: The structure of surface closure domains in the planes (100) in iron [G, r] — S. Krupička, F. Vilím: Richter-type magnetic after-effect in manganese ferrite [E, r] — J. Pačes: Magneto-resistance change in the region of the Curie point (Abstract) [R, e] — Methods and Instruments: K. Pátek: A luminescent *T*-meter on a new principle (Abstract) [R, e] — J. Čermák: An instrument for the mechanical resolution of the components of the doublet  $K \alpha_1, \alpha_2$  on X-ray diffraction photographs (Abstract) [R, e] — M. Voříšek: Detector of slow neutrons [G, r] — Letters to the Editor: R. Kužel: The influence of the illumination by X-rays on the conductivity of cuprous oxide [R] — S. Krupička: A note on Richter-type magnetic relaxation in ferrites [E] — V. Trkal: Paramagnetic resonance in *N*-phenyl-*N*-9-decalyl-*N*-oxoaminy [E] — New books.

**Чехословацкий математический журнал.**  
**Czechoslovak Mathematical Journal**

*Edited by the Mathematical Institute of the Czechosl.  
Ac. of Sc., Vol. 7 (82) — 1957, L. 8<sup>o</sup>, Quarterly of  
approx. 160 pp., annual subscription*  
Rbl 48,80      \$ 12,20      £ 4,7,0

**Czechoslovak  
Mathematical  
Journal**

No. 4 contains (pp. 485—635): Vlastimil Dlab: The rings of endomorphisms of abelian groups and the representation of rings by rings of matrices  $[G, r]$  — Svatopluk Krupička: On the number of lattice points in convex bodies of many dimensions  $[R, g]$  — Karel Rychlík: Theory of real numbers in Bolzano's posthumous manuscripts  $[G, r]$  — Jaroslav Kurzweil, Zdeněk Vorel: Continuous dependence of solutions of differential equations on a parameter  $[R, e]$  — Josef Král: On curvilinear integrals in the plane  $[R, e]$  — Eduard Čech: Determination of the differential type of curve in two-, three- and four-dimensional spaces  $[F, r]$  — Reports.

**Československý časopis pro fyziku**

*Vol. 7 (81) — 1957, L. 80, six issues annually of approx. 128 pp. and 6 pp. suppl. (Cz), annual subscription Rbl 27,60 \$ 6,90 £ 2,9,0*

**Czechoslovak  
Journal of  
Physics**

No. 6 contains (pp. 617—750): M. Trlifaj: Theory of the non-radiant recombination of electrons at perturbation centres in polar crystals — L. Hrivnák: Mean free path and mobility of electrons in ionic crystals — M. Trlifaj: The properties of excitons produced during the transition of fast charged particles through a crystal — O. Litzmann: The localized vibrations of a perturbed diatomic linear chain — E. Antončík: On the theory of the spectral dependence of the quantum efficiency of homopolar crystals — L. Špaček: The structure of surface closure domains in the planes (100) in iron — K. Wotruba: Relation between coercive force and initial susceptibility at plastically deformed ferromagnetic substances — S. Krupička, F. Vilím: Richter-type magnetic after-effect in manganese ferrite — S. Bohun, J. Trnka: The influence of chlorine on exoelectric emission and luminescence of NaCl — I. Soudek: The dependence of luminescent afterglow on the areal concentration of the sample — R. Kužel: Influence of pre-exposure on the characteristics of cuprous oxide rectifiers — B. Šesták: Substructure of crystals of iron-quartz alloys — K. Toman, M. Simerská: Deformation texture of tin  $\beta$ , I. Pressing texture — Methods and instruments: K. Pátek: A luminescent »taumeter« on a new principle — J. Čermák: An instrument for the mechanical resolution of the components of the doublet  $K \alpha_1, \alpha_2$  on X-ray diffraction photographs — A. Fořt: Determination of the heavy water content in a mixture of heavy and normal water — Letters to the

REVISED  
ASTRONOMY

Editor: R. Kužel: The influence of the illumination by X-rays on the conductivity of cuprous oxide — S. Krupička: A note on Richter-type magnetic relaxation in ferrites — V. Trkal: Paramagnetic resonance in N-phenyl-N-9-decalyl-N-oxoaminyll Reviews — Reports — New books.

**Pokroky matematiky, fysiky a astronomie.**

*Edited by the Association of Czechoslovak Mathematicians and Physicists, Vol. II — 1957, L. 80, six issues annually of approx. 128 pp. (Cz), annual subscription*  
Rbl. 15,60      \$ 3,90      £ 1,7,10

**Advances in  
Mathematics, Physics  
and Astronomy**

No. 6 contains (pp. 657—766): M. Beneš, J. Likeš: Investigation and determination of optimum technological conditions — B. Pardubský: Mathematical-statistical methods used in controlling mass production — J. Mikusiński: New results in the distribution theory — V. A. Krat: The origin of the solar system — V. Havel: Stereometric building of a theory of conics — R. Mikulaschková: Rounding-off error of numerical calculations from the statistical point of view — D. Matoušová: On the representation of the intensity of illumination — Prominent representatives of science and technique — Scientific reports — Activity of the Association of Czechoslovak Mathematicians and Physicists — Reviews.

**Studia Geophysica et Geodaetica**

*Vol. I — 1957, L. 80, two issues annually of approximately 208 pp. and 2 pp. suppl., annual subscription*  
Rbl 16,80      \$ 4,20      £ 1,10,0

**Studia Geophysica  
et Geodaetica**

No. 2 contains (pp. 197—404): Kašpar J.: Application of the transformation on a sphere of a rotational surface to the transfer of co-ordinates, if we have to deal with large distances between the points [G, r] — Buchar E.: On the question of the invariability of the passage altitudes by using the method of equal altitudes [R, f] — Ibrmajer J.: Interpretation of gravimetric measurements in South-East Slovakia [R, g] — Červený V.: A study of the amplitudes of head waves [R, e] — Parus O.: An approximate calculation of the electric field of an alternating horizontal dipole on the surface of stratified Earth [E, r] — Link F., Neužil L., Zacharov I.: Night sky photometer of the Czechoslovak stations for IGY 1957-58 [F, r] — Vitek V.: A contri-

bution to the study of the barotropic model of the atmosphere (Part 2) [E, r] — Podzimek J., Koldovský M.: Some remarks on the work of the former Wolkenforschungsstelle (Cloud Research Station) in Prague [G, r] — Brádka J.: The yearly run of cyclon and anticyclon activity on the northern hemisphere [G, r] — Shorter contributions: Pick M.: On the problem of the transformation from one reference ellipsoid to another one by projection along a normal [G, r] — Meisser O.: The seismic principles of the modern tremor measuring technique in transportation and industry [G, r] — Martin H.: Wave front and starting time of the earthquake in New Zealand on 1. 8. 1942 [G, r] — Beránek B.: A contribution of reflection seismic surveying for studying the structure of the Komárno Basin [E, r] — Vitek V.: A note on the physical interpretation of the balance equation [E, r] — Brandejs S.: Remarks on the mechanism of surface-pressure changes in baroclinic atmosphere [E, r] — Bayer K.: On the question of the geographical delimitation of regions affected by typical weather conditions [G, r] — News.

GEOGRAPHY

*Balátka Břetislav,  
Sládek Jaroslav*

**The Development of  
the Investigation of  
the River Terraces  
in Bohemia, Moravia  
and Silesia**

**Guidebook for the  
Geological Excursions  
into the Barrandian  
Area**

**Vývoj výzkumu říčních teras v českých zemích**

*Published by the Central Geological Survey, series  
Knihovna ÚUG, vol. 32, L 8<sup>o</sup>, 290 pp., 1 fig., 33 pls.  
(Cz), p. c. Kčs 16,70*

The paper presents a survey of the results obtained so far in the investigation of river terraces, i. e. early river deposits in Bohemia, Moravia and Silesia. The introductory chapters review the theoretical questions such as the development of the investigation and its periodisation, the opinions on the origin of terraces, the comparison with the main European rivers and the author's evaluation of the literature published up to the present. The main part of this book deals with individual rivers, chronologically summarising in briefest from various views and citing the literature concerning each river in question; it includes comparative tables of the terraces according to the views of individual specialists. The final part of the paper consists of a comprehensive list of the literature studied, including papers dealing with the problems of the river terraces in Bohemia, Moravia and Silesia, issued up to 1956; of the foreign literature several papers are cited which are of importance in comparison or solution of theoretical problems. The paper is supplemented by numerous tables and maps, illustrating the present state and the periodisation of the investigation of the river terraces of the individual water courses.

**Führer zu den geologischen Exkursionen in das Barrandium**

*Compiled by V. Havlíček, R. Horný, I. Chlupáč and  
M. Šnajdr. Published by the Central Geological  
Survey, series Sbíрка geologických průvodců (Series  
of Geological Guidebooks), vol. 1, L. 8<sup>o</sup>, 171 pp.,  
19 pls. on art paper, 7 map suppl., (G), p. c.  
Kčs 11,10*

Publication issued on the occasion of the International Geological Conference held in Prague in 1958. Detailed descriptions of the individual excursions are supplemented by stratigraphical and paleontological tables, small geological maps, sections and a series of photographs. The results of recent geological investigation in the Paleozoic basin of Central Bohemia are summarised here. The guidebook issued in the Czech language appeared already in the first quarter of this year.

ГЕОГРАФИЯ

**Геологические экскурсии по Баррандиену (Баррандовой мульде). Маршрутный путеводитель.**

*Compiled by V. Havlíček, R. Horný, I. Chlupáč and M. Šnajdr. Published by the Central Geological Survey, series Sbirka geologických průvodců (Series of Geological Guidebooks), vol. 1, L. 80, 176 pp., 19 pls. on art paper, 7 map suppl., (R), p. c.*

*Kčs 10,60*

**Guidebook for the Geological Excursions into the Barrandian Area**

The same publication issued in Russian.

*Svoboda Josef, Prantl Ferdinand*

**Barrandien. Geologie středočeského siluru a devonu v obrazech**

*Published by the Central Geological Survey, L. 80, 104 pp., 161 suppl., (Cz), h. c.*

*Kčs 45,50*

**Barrandian. Geology of the Silurian and Devonian of Central Bohemia in Pictures**

The publication has been issued on the occasion of the International Geological Conference in Prague in summer 1958. It is a book of pictures which in popular scientific form makes the reader acquainted with the geological past of the Massif of Bohemia at the time of the early Paleozoic. It sketches the development of the investigation of this area from the period of the famous French scientist Joachime Barrande up to the present time and also presents in great detail Barrande's biography. By many photographs the book acquaints lovers of nature with the most interesting documents of the structure and beauty of the vicinity of Prague. In the Czech literature this is the first publication in the field of Geology which unites the results of scientific investigation with a popular scientific interpretation, presented mainly by evidence furnished in pictures. For the Czech reader the paper offers not only instruction, but it also represents an illustrated document, showing the gradually vanishing beauty of the region; it will be a valuable aid for foreign scientists, who more and more frequently come to see the Barrandian as a classical area for geological and paleontological research.



CLASSIFICATION

*Svoboda Josef,  
Prantl Ferdinand*

**Barrandium.** Geologie des mittelböhmisches Silur und Devon in Bildern

*From the Czech original translated by Ing. H. Krme-  
la; published by the Central Geological Survey, L. 80,  
124 pp., 161 suppl., (G), h. c. Kčs 47,—*

**Barrandian**

The same publication issued in German.

*Svoboda Josef,  
Prantl Ferdinand*

**Баррандиен (Баррандова мульда).** Геология силура и де-  
вона средней Чехии с иллюстрациями.

*From the Czech original translated by V. Andrusová;  
published by the Central Geological Survey, L. 80,  
160 pp., 161 suppl. (R), h. c. Kčs 46,—*

**Barrandian**

The same publication issued in Russian.

*Snajdr Milan*

**Trilobiti českého středního kambria**

*Published by the Central Geological Survey, series  
Rozpravy ÚUG, vol. XXIV, L. 40, 330 pp., 46 text  
figs., LXVI pls., (Cz, e), p. c. Kčs 49,50*

Scientific monograph from the sphere of geology which arose on the basis of the scientific investigation carried out in the Central Geological Survey. All the representatives of trilobites (extinct class of Arthropoda) of the Cambrian, i. e. the earliest Paleozoic group, are described and illustrated in this paper. Further the evolution of some species of trilobites from the youngest larval stages up to the large adult forms is described here from material which for the present has no analogue in the world. In this work the author summarises our knowledge of the above-mentioned subject, critically evaluates all the papers published since 1872 and presents all his own new findings. The text of the publications is supplemented by collotype plates, on which all the trilobites of the Cambrian of Bohemia are illustrated, and by text tables as well as by indexes of authors and titles.

GEOGRAPHY

## PERIODICALS

## Časopis pro mineralogii a geologii

Journal of the Czechoslovak Society for Mineralogy and Geology.

*Vol. 11-1957, L. 8<sup>o</sup>, quarterly of approx. 128 pp. and 24 suppl. on art paper (Cz, r, e). Annual subscription*  
*Rbl 21,60      \$ 5,40      £ 1,18,7*

**Journal of  
Mineralogy and  
Geology**

No. contains (pp. 383—486): L. Frejková-Litzmanová: A contribution to the knowledge of the morphology of the Cretaceous region in the vicinity of Březová n. Svitavou — M. Mišík: Tridymite, crystoballite and kaolinite of "bacillarite" type in neovolcanites of Central Slovakia — M. Neubauer and Z. Kouřil: Hydrogeological conditions of the Miocene in the area between Miroslav and Suchohrdly — J. Petránek: Alga cf. *Acicularia* sp. (*Acetabularia*) in the Triassic limestone from the Carpathian Mts. — P. Röhlich: The Lower Devonian fauna from the area of Čabová near Moravský Beroun — P. Šantrůček: Stratigraphical lithological conditions of the northern part of the Cheb basin — J. Šilar: A spring of mineral water at the dam of Nosice nad Váhom — V. Zázvorka: *Pecten* (*Neithea*) *quinquecostatus* Sowerby, *Pecten* (*Neithea*) *regularis* (Schlotheim) (P. [N.] *quadricostatus* Sowerby) and transition forms in the Cretaceous of Bohemia — Scientific communications — Reports — Some geological anniversaries in 1957 — Articles on scientific work — Personal reports — Literature — Reports on reviews and other periodicals — Reports of the Czechoslovak Society for Mineralogy and Geology.

## Lidé a země

A popular scientific travel and geographical monthly.  
*Vol. 7-1957, L. 8<sup>o</sup>, 10 issues per year of approx. 48 pp. and 4 pp. suppl. (Cz), annual subscription*  
*Rbl 16,—      \$ 4,—      £ 1,8,8*

**Peoples and Their  
Countries**

No. 10 contains (pp. 433—476): J. Sofron: J. A. Komenský's travels — L. Sadecký: The town of the rising sun — B. Slavík: Across the region of Meklenburg — S. Lvová: Baba va Bambuti, septuagenarian — D. Trávníček: Air transport on the territory of Czechoslovakia — J. Šmíd: Alkmaar, the metropole of cheese-makers — M. J. Pulec: Tragic fate of a poet — M. Pick — V. Mikolášek: Somali-land, the easternmost country of Africa —

K. Gam: On the coasts of Albania — F. Kahoun: Port of London — J. Vrbá: Artesian waters — J. Brusák: India — a country of many faces — Reports.

**Věstník Ústředního ústavu geologického**

*Published by the Central Geological Survey. Vol. XXXII-1957, L. 80, 6 issues per year of approx. 80 pp. and 8 suppl. on art paper. Annual subscription*

*\* Kčs 45,—*

**Journal of the Central Geological Survey**

No. 6 contains (pp. 373—448) Review of the celebrations of the fourhundredth anniversary of Georgius Agricola's death (1494—1555) — A. Matějka: Conference on the work of micropaleontologists, paleontologists and geologists bearing on the Upper Triassic of the Carpathian Mts. in Smolenice, February 1957 — F. Prantl: Notes on micropaleontological method — T. Buday: The principal tasks and problems of the microbiostratigraphy of the Neogene of Czechoslovakia — I. Cicha: The present state of views on the development of the microfauna of the Burdigalian and Helvetian of the Vienna basin and Váh basin (NW part of Pannonian basin) — K. Slavíková: Microbiostratigraphical investigations of the coal basin of southern Slovakia — V. Kantorová: Miocene of the area of Prešov, salt-bearing formations — I. Cicha: The microfauna of the Lower Tortonian of the outer Alpino-Carpathian basin in Moravia — I. Zapletalová: The present state of the microstratigraphical investigations of the Tortonian in the Vienna basin — R. H. Lehotayová-Danihelová: Microfauna of the Tortonian of eastern Slovakia — S. Svoboda: A survey of the evolution of the Sarmatian microfauna in the Czechoslovak part on the inner Alpine basin — A. Dlugi: A brief microbiostratigraphical survey of the Pannonian in the Vienna basin — E. Brestenská: Microbiostratigraphy of the Pannonian of Slovakia — V. Ložek: A contribution to the problem of the age of the travertines from Hranovnica (Slovakia) — J. Zeman: Geological conditions of a new mining field »Stonava-East« in the Ostrava-Karviná coal-district. — E. Purkyňová: The fossil flora in Nová Ves near Oslavany (Moravia) — V. Havlíček: Further new genera of the family Spiriferidae in the Silurian and Devonian of Bohemia — Personal Reports — Literature.

Hudlický Miloš

**Chemie organických sloučenin fluoru**

*Series Knižnice Studia a prameny, vol. 27, L. 80,  
360 pp., 39 figs., (Cz), h. c. Kčs 38,50*

**Chemistry of Organic  
Fluorine Compounds**

This publication is intended to offer the reader in a well-selected form practically all important information necessary for laboratory work in the field of organic fluorine compounds. The subject matter has been divided into ten chapters. In the introduction, the author deals briefly with the history of fluorine chemistry, with the nomenclature, and with safety measures in laboratory work. The chapter on materials for apparatus construction treats corrosion and resistance of various materials against fluorine and hydrogen fluoride. In the chapter on fluorinating agents, the author describes the preparation of the most important. Further he describes in considerable detail the methods of introducing fluorine into organic compounds; in the chapter on the preparation of organic fluorine derivatives he deals only with the reactions actually used for the preparation of the basic types of fluorinated compounds. Most thoroughly the author treats the chapter on reactions of organic fluorine compounds, systematically describing the reactions of fluorinated derivatives. A brief chapter on organic reagents is devoted to the application of some fluorine derivatives to chemical reactions. Comparatively much space is given to the part on physical and physiological properties of organic fluorine derivatives. Analogy with and differences from fluorine-free compounds are represented as far as possible in the form of graphs. Then the author pays attention to the methods of determining fluorine in both inorganic and organic compounds. Finally, in the part on practical applications the author considers from the technological viewpoint those fluorine compounds which represent objects of chemical manufacture. In contradistinction to the usual treatment of these subjects, the book contains a very detailed chapter on physical properties and chemical reactions of organic fluorine derivatives.

PERIODICALS

**Collection of Czechoslovak Chemical Communications**

*Vol. 22 — 1957, L. 80, Monthly of approx. 366 pp.  
and 16 pp. suppl., annual subscription*  
Rbl 34,—      \$ 8,50      £ 3.0,9

**Collection of  
Czechoslovak  
Chemical  
Communications**

No. 6 contains (pp. 117—1932): Original Papers. General, Physical and Inorganic Chemistry. J. Vondrák: Electric properties of lead monoxide [G, r] — A. Zeman and V. Čermák: Concentration of the isotope  $^{15}\text{N}$  by a chemical exchange reaction [E, r] — E. Hála: Mutual dependence of the equilibrium compositions of phases in multicomponent systems. I. Binary systems [E, r] — A. A. Vlček: Relations between the electronic structure and polarographic behaviour of inorganic depolarizers. III. Electrode processes involving unstable intermediates [E, r] — B. Matyska and D. Dušková: Polarographic reduction of ferric ions in presence of ethylenediaminetetraacetic acid and hydrogen peroxide. I. Pseudomonomolecular reactions in aqueous medium [G, r] — B. Matyska: Polarographic reduction of ferric ions in presence of ethylenediaminetetraacetic acid and hydrogen peroxide. II. Bimolecular reactions in aqueous medium [G, r] — J. Volke: Polarography of aromatic heterocyclic compounds. III. Reduction of quinolinic and cinchomeric acids on the dropping mercury electrode. Analytical Chemistry: S. Kotrlý: Complexometric titrations (Chelatometry). XXVIII. Microdetermination of lead with dithizone as indicator [G, r] — J. Körbl and R. Přibil: Complexometric titrations (Chelatometry). XXIX. Specific screening and determination of mercury [G, r] — J. Körbl: Metallochromic indicators. III. Preparation of 3,3'-Bis-N, N, Di (carboxymethyl) aminomethylthymolsulphonphthalein (methylthymol blue [E, r] — L. Sommer: Photometric determination of titanium in steels by means of chromotropic, gallic and pyrogallolcarboxylic acids [G, r] — J. Janák, M. Nedorost and V. Bubeníková: Chromatographic semimicroanalysis of gases. XIII. Separation of chlorine, bromine and iodine [G, r] — J. Doležal, V. Simon and J. Zýka: Titrations by means of potassium cyanide [G, r] — M. Jureček, O. Chládek, R. Chládková, M. Souček and B. Srpová: Simultaneous detection, identification and determination of secondary and tertiary alcohols on micro-scale [G, r]. Organic Chemistry: M. Vavruška: Organosilicon compounds. XIII. Contribution to the mechanism of the direct synthesis of phenylchlorosilane [G, r] — K. Setfnek, V. Bažant and F. Šorm: Organosilicon compounds. XIV. Inhibition of the direct synthesis of the methylchlorosilanes by nitrogen monoxide [G, r] — L. Jarkovský, V. Pešata and M. Hudlický: Reactions in anhydrous hydrogen fluoride. III. Preparation of dichlorodifluoromethane [E, r] — J. Novák, J. Raupský, V. Šneberk and F. Šorm: Reactions of diazoketones. I. The reaction of diazoacetone with unsaturated compounds [G, r] — Z. J. Vejdělek: On the synthesis of 2, 3-Dialkyl-substituted Bz-aminoindoles and

Bz-methoxyindoles [G, r] — S. Landa and V. Šešulka: On acetone-condensation products formed by the action of sulphuric acid [G, r] — M. Semonský and A. Černý: Ergot alkaloids. IX. On the partial racemisation of ergot alkaloids of the ergobasin type [G, r] — J. Fajkoš and F. Šorm: On steroids. XXVIII. Synthesis of analogues of progesterone and desoxycorticosterone with the side-chain in position 16 [E, r] — V. Hach, Z. Horáková, J. Reichelt and D. Havlová: Local anaesthetics. VII. Analogues of the diethylaminoacetylmessidine [G, r] — K. Kochloefl, V. Bažant and F. Šorm: Synthesis and proof of constitution of the methylcyclopentenes [E, r] — M. Suchý, V. Herout and F. Šorm: On terpenes. LXXVII. On the nature of arctiopicrin — the unsaturated lactone from *arctium minus* BERNH. [E, r] — V. Sýkora and M. Romaňuk: On terpenes. XXVIII. The Hudson-Klyne lactone rule in terpene chemistry [G, r] — V. Herout, L. Dolejš and F. Šorm: On terpenes. LXXIX. On the structure of artabasin, a prochamazulenogen from wormwood (*artemisia absinthium* L.) [E, r] — Z. Čekan, V. Herout and F. Šorm: On terpenes. LXXX. The structure of matricin, a guaianolide from camomile (*matricaria chamomilla* L.). — Bibliography.

#### Chemické listy

*Annual 51 — 1957 (Journal of Chemistry, Vol. 81 — Journal for the Chemical Industry, 67), L. 80. Monthly of approx. 208 pp. and 8 pp. suppl., (Cz), annual subscription*

Rbl 43,20      \$ 10,80      £ 3,17,0

#### Journal of Chemistry

No. 12 contains (pp. 2163—2385): Original papers: J. Štěpánek and G. Standart: Heat transfer in the condensation of a mixture of vapours of immiscible liquids — V. Daneš and V. Ponec: Thermal decomposition of nickel oxalate — P. Jirů and J. Brüll: Determination of surface area and structure of siliceous earths by measuring physical adsorption of nitrogen and actual and apparent densities — J. Čelepák, J. Malý and V. Macháček: Extraction of uranyl nitrate by diethyl ether from the system water-nitric acid-ammonium nitrate — E. Erdős and H. Šimková: Solubility of electrolytes. II. The ternary system sodium nitrite-sodium chloride-water — V. Čermák: Polarographic study of electrode and chemical reactions in the system sulphurous acid-dithionous acid. I. Polarographic behaviour of dithionite in acid medium — V. Čermák: Polarographic study of electrode and

chemical reactions in the system sulphurous acid-dithionous acid. II. Polarographic behaviour of sulphurous acid — J. Kůta and E. Krejčí: Polarographic reduction of imidazoleacrylic acid — R. Zahradník, E. Svátek and M. Chvápil: N-nitroso derivatives of secondary amines. III. Spectral and polarographic study — P. Beran and J. Doležal: Application of oscillographic polarography in quantitative analysis. VIII. Determination of palladium, rhodium and iridium, using ethylenediamine sulphate as electrolyte — A. Okáč and Z. Kolařík: Potentiometric investigation of citrate-zinc complexes — J. Alexa: Determination of uranium by manometric titration of uranium peroxide — M. Houda, J. Körbl, V. Bažant and R. Přibil: Complexometric titrations (Chelatometry). XXXV. Indirect determination of aluminium with xylenol orange as indicator — M. Večeřa and L. Synek: Organic quantitative analysis. XVIII. Microdetermination of carbon and hydrogen by means of cobaltous-cobaltic oxide as combustion catalyst — J. Kubias: Determination of ethanolamines in mixtures — J. Juránek: Combined colorimetric and chromatographic ultramicroanalysis of gases. I. Method for the analysis of substances oxidizable to carbon dioxide — B. Matyska, I. Kössler and V. Šrajer: Kinetics of the polymerization of n-butyl methacrylate — K. Kochoefl, M. Kraus and V. Bažant: Isomerization and disproportionation of cresols — V. Gregor: Decomposition of geminal cyan-nitroso-compounds — R. Lukeš and J. Hofman: On fatty acids with branched chain. I. Preparation of some fatty acids with branched chain — L. Lukeš and V. Galík: Reaction of 2,4,6-trimethylpyridine with formaldehyde — S. Landa and S. Hála: On adamantane and its derivatives. III. New method of isolation and further homologues — J. Dobáš and J. Pirk: Fluorescent derivatives of 1, 2, 3-triazole. VI. 2-styrylnaphtho(1, 2) triazole sulphonic acids — R. Lukeš and J. Jizba: On some reactions of 2,4-dinitrophenyl- $\beta$ -picolinium chloride and 2,4-dinitrophenyl- $\beta$ , $\beta$ -lutidinium chloride — J. Sova, A. Sekera and Č. Vrba: Studies of local anaesthetics. XX. Basic esters of aryl-oxy- and aralkoxycarbanilic acids — L. Láber and V. Černý: On steroids. XXXIII. Holarrhidine, a new alkaloid from the bark of *holarrhena antidysenterica* WALL — V. Černý, L. Lábler and F. Šorm: On steroids. XXXIV. Structure of holarrhidine — J. Kára and B. Keil: On proteins. XLIV. On the form of the bond of  $\alpha,\epsilon$ -diaminopimelic acid in the cells of *mycobacterium tuberculosis* var. *hominis*.

Brief Original Communications: J. Mleziva: Note on the autocondensation of cyclopentanone — J. Šimeček: Decomposition of nitrosamines and nitramines in protogenic solvents. III. Pre-

paration of N,N'-dinitro-N''-nitrosociclo-trymethylenetriamine — J. Frejka and I. Wiesner: Reactions of tetraalkoxysilanes with *n*-butyl bromide — F. Pethů and V. Galík: Splitting of triscyclopentenobenzene and triscyclohexenobenzene by ozone — Laboratory apparatus and technique — Discussions — Book reviews — Announcements.

#### Chemie

*Vol. 9 — 1957, L. 80, 6 issues per year of approx. 160 pp. and 16 pp. suppl. (Cz), annual subscription*  
*Rbl 20,40      \$ 5,10      £ 1,16,5*

#### Chemistry

No. 6 contains (pp. 785—964): J. Nassler: Some modern methods of the preparation of very pure elements and inorganic compounds — O. Červinka: Stereochemical course of substitution reactions — K. Bláha: Asymmetric reactions in organic synthesis — M. Procházka: Thiiranes — V. Schwarz and A. Kasal: Advances in organic synthesis. IV. — V. Schwarz and A. Kasal: Preparation of chromium acetate — J. Pospíšil: Preparation of phenol by oxidative methods — J. Čech: Polyethylene and polypropylene — J. Macků: Electric measurements in chemistry. I. — K. Komárek: Chemical research of the deterioration of minerals in museums — A. A. Viček: Renaissance of inorganic chemistry — Strontium-90 in the human organism — On writing scientific publications — Brief announcements — Symposia, meetings and congresses — Jubilees and anniversaries — Appointments — Book reviews.

#### Silikáty

*Organ of the Czechoslovak Scientific Technical Society for the Silicate Industry, Czechosl. Ac. of. Sc. Annual 1 — 1957, L. 80, Quarterly of approx. 96 pp. and 8 pp. suppl. on art paper, (Cz, e, r), annual subscription*  
*Rbl 13,60      \$ 3,40      £ 1,4,3*

#### Silicates

No. 4. contains (pp. 333—387): Original Papers: J. Kouřimský: Comparison of the results of X-ray and optical methods in the determination of pyroxenes — K. Klement and L. Pardon: Contribution to the study of decarbonation of macrocrystalline limestones — I. Proks and V. Šiške: Thermal decomposition of limestone under the conditions of fluidisation — Laboratory technique — Book review.



BIOLISY

**Československá parasitologie V. 1**

*Edited by the Biological Institute of the Czechosl. Ac. of Sc., scientific editor Academician Otto Jirovec, editor Dr. Bohumil Ryšavý, series Studie a prameny, vol. 30, L. 80, 214 pp., 49 fig., 18 tab., [Cz, R, G, r, e, g], p. c. Kčs 23,40*

**Czechoslovak Parasitology V. 1**

A symposium of 18 original papers on various aspects of parasitology; it includes the work of Czech authors and those of other countries.

Contents: O. Anderle, B. Erhardová, K. Müller: The use of phenothiazin in medicinal sheep licks — Ž. Černá: Flagellates from the alimentary tract of our small rodents — V. Černý: Development cycle of the tick *Ixodes ricinus* L. in a mixed wood in central Bohemia — B. Erhardová: Parasitic worms of Czechoslovak rodents — S. Gershenson: On the control of »spontaneous« jaundice in silk-worm — S. Gershenson: Contrast staining of intranuclear inclusions in Polyhedrosis-diseased insects — J. Jira: The significance of protective measures in the laboratory when working with *Toxoplasma gondii* — P. Jerie: *Sergentella spiroides* — »the Most case« — J. Kulda: Characteristics of the species *Herpetomonas chamaeleonis* (Wenyon 1921) — Trypanosomidae, Protozoa — J. Lom: The development cycle of *Mrázekia caudata* Léger et Hesse 1916 — S. Mottl, J. Páv: Mouflon as host of *Paramphistomum cervi* (Schränk 1790) — J. Prokopič: A study of the helminthofauna of carnivores in Bohemia and Moravia — B. Rosický: A case of natural protection of a host against attack by external parasites — J. Rozsypal: A contribution to the study of entomophagous fungi in Czechoslovakia (Entomophthoraceae) — B. Ryšavý: Further notes on Nematodes of imported Greek tortoises (*Testudo graeca* L.) — K. Šamšínák: Mites from sunflower seeds (Acari) — J. Vojtek: *Dactylogyrus borealis* Nybelin 1937, a new member of the Czechoslovak Nematode fauna — J. Weiser: On the taxonomy of insect viruses.

*Opit Jaroslav,  
Černý Ladislav*

**Zakořeňování a štěpování ovocných rostlin**

*2nd edition, Ovocnická edice, L. 80, 262 pp., 163 fig., (Cz), h. c. Kčs 20,—*

**Rooting and  
Grafting of Fruit  
Trees and Bushes**

This book deals with both customary and new methods of propagating fruit trees and bushes by cuttings, grafts etc. It is based on the authors' research work and their long experience in this field. The 1954 edition, which is now out-of-print, has been expanded in this new edition. The first section deals with hitherto unusual methods of striking, which may prove to be of great importance in practice. In a further section a survey is given of all established methods of striking. Detailed attention is given to fruit stocks and their propagation and to their influence on the graft and vice versa. In the chapter on grafting theoretical as well as practical questions are considered. An important new chapter deals with the budding of walnuts in the glasshouse and the striking of woody shoots of dwarf stocks. Methods of propagation using growth stimulants include some, such as the preliminary preparation of cuttings by etiolisation of the base used in the striking of peach and apricot cuttings on a large scale, which have not been published previously either in Czechoslovakia or other countries.

**PERIODICALS**

**Acta virologica**

International journal. English edition  
Vol. 1 — 1957, L. 80, two parallel editions, Quarterly  
of approx. 64 pp. and 8 pp. suppl. on art paper, (E),  
(R), annual subscription per edition  
Rbl 24,80      \$ 6,20      £ 2,40

**Acta virologica**

No. 2 contains (pp. 65—144): N. A. Zeitlyonok, E. R. Pille, O. V. Konosh: A study of the physiology of reproduction of Vaccinia and influenza viruses using metabolic inhibitors — F. Sokol: Some physical and chemical properties of the tobacco mosaic virus purified by a combined chemical and sedimentation method — C. H. Huang: Studies on host factors in inapparent infection with Japanese B encephalitis: influence of age, nutrition and luminal induced sleep on the course of infection in mice — H. Libiková: Natural foci of the western type of North American equine encephalomyelitis (WEE) in Czechoslovakia. II. Experimental pathogenicity of viruses of WEE from ticks and small mammals in East Slovakia and serological investigations — H. Libiková: Natural foci of the western type of North American equine encephalomyelitis (WEE) in Czechoslovakia. II. Experimental pathogenicity of viruses of WEE from Slovakia for laboratory, domestic and wild animals — P. Albrecht: Natural foci of the western type of North American equine enceph-

phalomyelitis (WEE) in Czechoslovakia. III. Morphology of experimental infections with Czechoslovak strains of the virus of equine encephalomyelitis — G. I. Deichman: Concerning the relationship between infectious and haemagglutinating characteristics of influenza virus when grown on the chlorio-allantoic membrane of the developing chick embryo — J. Strauss: Ornithosis in Czechoslovakia — Reports — Book reviews.

No. 3/4 contains (pp. 145—246): A. A. Smorodintseff: The effect of X-ray irradiation on the course of experimental influenza infections in white mice and rats — L. A. Zilber, I. N. Kryukova: Haemorrhagic disease of rats due to the virus of chick sarcoma — A. D. Ado, T. M. Alekseyeva: On the toxic effect of influenza virus on the sympathetic nervous system — M. Rosenberg: Electron microscopic studies of a lysogenic strain of *Staphylococcus aureus* — V. Bárdoš: The use of suckling white rats in the virological diagnosis of tick-borne encephalitis and equine encephalomyelitis — U. Schmidt, H. Bindrich: Concerning the question of excretion and reproduction of the Newcastle disease virus after infection of immune hens — P. Albrecht: Natural foci of the western type of North American equine encephalomyelitis (WEE) in Czechoslovakia) IV. Some questions of the pathogenesis of the infection — V. Bárdoš: Natural foci of the western type of North American equine encephalomyelitis (WEE) in Czechoslovakia. V. Isolation of the WEE virus from the brain of *Apodemus flavicollis* — A. L. Terzin, M. R. Fornazarič, D. M. Hlača: Preliminary report on psittacosis-ornithosis in Yugoslavia — I. I. Terskih: Early intradermal diagnosis of ornithosis — V. M. Zhdanoff, V. V. Ritova, L. A. Golygina: Influenza D in early infancy — R. A. Kantorovich: The etiology of »madness« in polar animals — A. A. Selivanoff: Preparation of dry influenza diagnostic products and an attempt to apply them to sero-diagnosis of influenza — C. Ionescu-Mihăiești, M. Zamfirescu: On pathological nucleo-nucleolar changes in the motoneurons of the spinal cord in poliomyelitis — B. Styk: Inhibitors of the influenza virus in human sera after passaging in volunteers — Book reviews.

#### Acta virologica

Международный журнал. Русское издание.

No. 3/4 contains (pp. 145—256): Contents as for the English edition.

Acta virologica

**Československá biologie**

*Edited by the Biological Institute of the Czechosl. Ac. of Sc., Vol. VI — 1957, L. 89, six issues annually of approx. 80 pp. with 8 pp. suppl., annual subscription Rbl 19,20 \$ 4,80 £ 1,14,0*

**Czechoslovak  
Biology**

No. 4 contains (pp. 401—480): J. Kloz: The influence of grafting on variability of plants ("Graft hybridization") [Cz, r, e] — I. Hršel: The development of the cytoplasmic structure of leaf rudiments and growing points of wheat embryos during the first phases of germination [Cz, r, g] — I. Šetlík: Light and temperature dependence of photosynthesis in thermal blue-green algae [Cz, r, e] — C. Blatný: Transfer of some viruses of stonefruits [Cz, r, g] — R. Rozsypal: Notes on viruses of *Papaver somniferum* [Cz, r, g] — E. Jermoljev, V. Průša: Diagnosis of leaf-roll virus in potatoes [Cz, r, g] — V. Bojňanský: A contribution to the symptomology of stolbur in potatoes [Cz, r, g] — A. Pintera: A contribution to the determination of the influence of day or night nutrition on the development of parthenogenetic female Aphids [Cz, r, g] — B. Hořavka: Differentiation of flower buds in apple trees [Cz, r, g] — V. Hervert: The influence of dry warmth on the germination of barley and on the mycelium of loose "smut" *Ustilago nuda* (Jens.) Rostr. [Cz, r, g] — V. Kazda, J. Štorkánová: Tumours with adventitious roots on *Brassica oleracea* L. var. *gongylodes* L. [Cz, r, g] — A. Samšišňáková, J. Ullmann: Culture conditions and aminoacid content of the fungus *Beauveria bassiana* (Bals.-Criv.) Vuill. [Cz, r, g] — Biological news.

**Československá morfologie**

*Vol. V — 1957, L. 89, Quarterly of approx. 112 pp. and 20 pp. suppl. on art paper, annual subscription Rbl 18,80 \$ 4,70 £ 1,13,7*

**Czechoslovak  
Morphology**

No. 4 contains (pp. 341—420): M. Doskočil: On the formation and variability of the canalis caroticus in man [Cz, r, f] — P. A. Lisonek: Fossa olecrani in relation to robusticity of the humerus [Cz, r, e] — P. I. Lobko: Some findings on the structure and asymmetry of the solar plexus in man [R, cz, e] — O. Štěrba: The volar and plantar short muscles of the metapodium of the pig [Cz, r, e] — Z. Vacek: On the placenta of *Leontocebus* (*Leontocebus rosalia* L.) [Cz, r, e] — B. Hučín: Histological changes

in the cortex of the adrenal gland during the annual cycle in the deer [Cz, r, g] — A. Plačková, H. Mohelská: Mottled enamel under the electron microscope [Cz, e] — J. Wolf: An attempt at the classification of resorption processes from the point of view of the cytological characters of cells [Cz, r, g] — J. Wolf: The superficial configuration of the conjunctive epithelium using optic and electron microscopy and its functional significance [Cz, r, g].

#### **Folia Biologica**

International edition of the journals Czechoslovak Biology and Czechoslovak Microbiology.

*Vol. III — 1957, L. 80, six issues annually of approx. 64 pp, and 8 pp. suppl. on art paper, annual subscription*      Rbl 25,20      \$ 6,30      £ 2,14,11

#### **Folia Biologica**

No. 6 contains (pp. 321—384): A. Lengerová: Effects of intra-uterine irradiation in rats in relation to the stage of embryogenesis at the time of exposure [E, r] — A. Lengerová: Effect of irradiation during embryogenesis on the relationship between the maternal organism and offspring from the aspect of tissue compatibility [E, r] — Johanovský: The significance of the clumping factor for pathogenicity of Staphylococci [E, r] — Z. Fencel, M. Burger, K. Beran: The amyolytic effect of waste mycelium of the mould *Aspergillus niger* from the production of citric acid [E, r] — V. Ševčík, M. Podojil: The determination of the ionic character of antibiotics by means of plate tests [E, r] — V. Ševčík, A. Vertišková: The permeation of antibiotics through a dialyzing membrane on agar plates [E, r] — M. Daniel, J. Šlais: Intradermal parasitism and its morphology in larvae of *Euschöngastia ulcerofaciens* (Acari: Trombiculidae) [G, r] — J. Chrastil: Dynamic study of the plastid pigments — carotene, xanthophyll, chlorophyll and phytol [R, e] — J. Brčák, Z. Polák, A. Pintera: The inhibitory effect of the juice of *Phytolacca americana* and *P. acinosa* on infection by the tobacco mosaic virus and beet mosaic virus (E, r) — A. Cibulec, M. Sosna: An instrument for radiation measurements in the range of the sun spectrum [E].

#### **Physiologica bohemoslovenica**

*Edited by the Physiological Institute of the Czechosl. Ac. of Sc., Vol. VI — 1957, L. 80, six issues annually*

*of approx. 96 pp. and 6 pp. suppl. on art paper,  
annual subscription*

Rbl 34,—      \$ 10,20      £ 3,12,10

**Physiologia  
Bohemoslovenica**

No. 4 contains (pp. 433—580): V. Kruta: Harvey in Bohemia [E] — K. Lissák et al.: Significance of the hypothalamus and hippocampus for higher nervous activity [G] — J. Bureš: The effect of anoxia and asphyxia on spreading EEG depression [E, r] — J. Bureš, O. Burešová, D. Zacharová: The effect of changes in body temperature on spreading EEG depression [E, r] — D. Zacharová, J. Zachar: The influence of potassium ions on the electric activity of the excitor and inhibitor fibre [E, r] — D. Zacharová: The effect of calcium-free environment on conductivity of the isolated inhibitor and excitor fibre [E, r] — M. Gerová, J. Madlafousek: The muscle vascular bed in arterial haemorrhage of mild degree [E, r] — J. Korpáš, Z. Tomori: The influence of hypothermia on coughing and respiration [G, r] — V. Havlíček: The effect of vitamin B<sub>1</sub> on higher nervous activity [G, r] — V. Nováková: Notes on the study of the relationship between the process of generalized motor inhibition and excitation in the central nervous system in the rat [R, e] — L. Tkadleček: The effect of anaesthesia with nitrous oxide on the death rate in mice irradiated with X-rays [R, e] — K. Řežábek: The effect of ethyl alcohol on secretion of the adrenocorticotrophic hormone of the pituitary gland in rats. Notes on the mechanism of control of the secretion of ACTH [E, r] — A. Orlová, V. Schreiber, V. Kmentová, L. Šonková: The dynamics of the action of hypoglycaemic sulphonyl compounds [E, r] — Z. Servít, E. Faltová: The effect of diets containing a low and high proportion of protein on seizure susceptibility and on the motor picture of audiogenic seizures in rats [E, r] — Z. Hruza, R. Smetana: Changes in the liver protein electrophoregram during traumatic shock and following the administration of tetrachloromethane [E, r] — V. Prát, S. Kočvara: Separate clearance IV. Changes in renal function in unilateral ureteral catheterization with an occlusion-catheter [E, r] — O. Benešová: The relationship of the lethal dose of folia digitalis to the weight of the body and heart in guinea pigs [R, e] — V. Pujman et al.: On the sensitivity of leukemic and pseudoleukemic changes to some substances with assumed anticancerous effects [G, r] — L. Polák: The influence of inhibition and excitation of the central nervous system on sensitization of the skin of guinea pigs to dinitrochlorobenzene [R, e] — B. Drechsler, J. Křečan: The use of magnetic recording and a rotating recording head in electro-

physiology [R, e] — M. Kličpera, Z. Drahota, R. Žák: Notes on the determination of muscle glycogen [R, e] — V. Krebs: Non-material transmission of level changes in a manometer by means of blueprint paper [R, e] — J. Tobiška: The use of silicone-coated glass for setting up hanging-drop tissue culture [R, e].

**Věstník Československé společnosti zoologické**

*Acta Societatis zoologicae Bohemoslovenicae*  
*Edited by the Czechoslovak Zoological Society, Vol.*  
*XXII — 1947, L. 80, Quarterly of approx. 96 pp. and*  
*8 pp. suppl. on art paper, annual subscription*

\* Kčs 32,—

**Journal of the  
Czechoslovak  
Zoological Society**

No. 4. contains (pp. 289—380): K. Sláma: General metabolism of insects. V. Growth and oxygen consumption during post-embryonic development of the leaf wasp *Athalia colibri* Christ [Cz, r, g] — R. Petrásek: The oxygen consumption of the golden hamster (*Mesocricetus auratus* [Cz, r, e] — J. Čihař: The food-biology of the Crucian carp [Cz, r, e] — V. Ložek: *Daubebardia fallax* Soós in the Ostrava region [Cz, r, g] — M. Klíma: The development of the *Bursa Fabricii* [Cz, g] — A. Romanovsky: Regeneration of the central nervous system in the early developmental stages of the axolotl (*Ambystoma mexicanum* Cope). II. Restitution after extirpation of one-half of the brain rudiment after finished neurulation [Cz, e, r] — O. Oliva: Some experiences with the use of fish poisons during the fish population studies [Cz, r, e] — E. Bartoš: Rotifera from the branchial cavities of the fresh-water crab (*Potamon potamon*) [G].

**Zoologické listy**

*Journal of Applied Zoology in Czechoslovakia*  
*Edited by the Zoological Committee of the Czechoslovak Ac. of Sc., Vol. XX — 1958, L. 80, Quarterly of approx. 96 pp. and 8 pp. suppl. on art paper, annual subscription Rbl. 26,— \$ 3,40 £ 1,40*

**Journal of Zoology**

No. 4 contains (pp. 293—388): J. Pospíšil: On the bionomy of the cabbage maggot (*Chortophila brassicae* Bouché Muscidae, Dipt.) — F. Gregor: A study of the population dynamics of the leaf roller (*Tortrix viridana* L.) [Cz, r, g] — I. Grulich, Z. Kux, M. Zapletal: The significance of reptiles as hosts of developmental stages of ticks under the conditions of Czechoslovakia [Cz, r, g] — A. Samšínáková: *Beauveria globulifera* as a parasite on the tick *Ixodes ricinus* L. [Cz, r, g] — J. Prokopovič: A systematic elaboration of parasitic worms from the mole (*Talpa europaea* L.) and a comparison of invasion of parasitic worms in individual genera of insectivora on the territory of Czechoslovakia [Cz, r, e] — F. Tenora, V. Baruš: Helminthofauna of the wild rabbit *Oryctolagus cuniculus* L. in Czechoslovakia [Cz, r, g] — V. Dyk: The highest altitudes at which the river trout is found in Czechoslovakia [Cz, r, g] — J. Libosvářský: On the ecology and reproduction of the stone-loach *Nemachilus barbatulus* L. [Cz, r, e] — Book reviews.

**Chladicí technika**

*Symposium of the Czechoslovak Scientific-Technical Society for Mechanical Engineering of the Czechoslovak Academy of Sciences, Vol. 1; scientific editor Prof. Ing. Vladimír Chlumský, L. 80, 82 pp., 31 figs., 2 tab., [Cz, e, r, f, g], p. c. Kčs 13,70*

**Refrigeration**

This symposium contains three monographic studies in the field of refrigeration. The papers are supplemented by diagrams and monograms based upon the newest experimental and theoretical achievements.

Contents: Ing. Dr techn. Vsevolod V. Shaposhnikov: Temperature diagram "tt" and calculation of refrigerating compressors — Ing. Stanislav Vlnas: New universal calculation diagrams and equations for surface heat exchangers, intended in particular for refrigeration — Ing. Jiří Ptáček, Ing. Jiří Růžička: Calculation of an enlarged ip-table and enlargement of the ip-diagram for ammonia.

**Práce Ústavu pro elektrotechniku při ČSAV, z r. 1956, VII.**

*Collective work under the direction of Corresponding Member of the Czechoslovak Academy of Sciences Ing. Dr Bedřich Heller, L. 80, 208 pp., 273 figs., [Cz, r, g], p. c. Kčs 16,40*



**Papers of the  
Institute of  
Electrical Engineering  
of the Czechoslovak  
Academy of Sciences,  
VII.**

The papers published in the collection deal with problems in the field of power-current engineering, relating mainly to high-voltage, surge phenomena, phenomena in insulators, and further to rotary electric machines and transformers.

Contents: Bedřich Heller, Bedřich Paderta: Surge phenomena in a cylindrical winding with many turns. — Ant. Veverka, Jiří Chládek: Instrument for ionisation measurement — Rud. Loos, Jiří Pelnář: Amplifier of the voltage impulses of the instrument for ionisation measurements — Ant. Veverka: Initial corona voltages of sliding arrangements — Bedř. Paderta: Protection of a regulating transformer set against voltage — Václ. Hamata: Theoretical fundamentals of electrostatic instruments — Miloš Štafl: Screening of the magnetic field by a ferromagnetic tube — F. Provazník: Grooved ferromagnetic cylinder of finite length in a rotary magnetic field — Jar. Štěpina, Jiří Bendl: Eddy current losses in the rotor at asynchronous start of a turbomotor — Jar. Štěpina, Jiří Bendl: Braking of asynchronous motors by D.C. current — Jiří Čemus: Negative resistance as element of an A.C. model — Václ. Kubec: Compensated quick-acting magnetic amplifier for servo-systems.

**Rozbor výrobní a hospodářské činnosti strojírenských podniků**

*Scientific editor Prof. Ing. Dr Frant. Brabec; Symposium of the Czechoslovak Scientific-Technical Society for Mechanical Engineering of the Czechoslovak Academy of Sciences, Vol. 2, L. 8, 190 pp., 47 figs., (Cz), p. c. Kčs 9,70*

**Analysis of the  
Productive and  
Economic Activity in  
Engineering Works**

Collection of original papers which are the result of the scientific research activity of the Chair of Economics, Organisation and Planning of Engineering Works at the Faculty of Economic Engineering at the Czech Technical University at Prague, edited by the Scientific-Technical Society for Mechanical Engineering at the Czechoslovak Academy of Sciences. The collection presents theoretical solutions of some general economic problems of machine manufacture with the aim to improve methods of management. Some of the findings and conclusions, however, may be applied to industrial production in general.

From the contents: F. Brabec: Contribution to the study of the productive and economic activity in engineering works — J. Štolcpart: Contribution to the study of the fundamental interdependences on production lines — F. Schrobl: Economic effectivity of modern engineering.

Růzha Zdeněk

**Elektrické odporové tensometry**

*Series Studie a prameny, Vol. 19, L. 8<sup>o</sup>, 236 pp.,  
177 figs., 2 suppl., (Cz), h. c. Kčs 28,50*

**Electric Resistance  
Tensometers**

The book summarizes all principal knowledge and experience on measurements of the magnitude and course of deformations of single parts and whole structures by means of electric wire resistance tensometers. Tensometers are nowadays employed in all fields of engineering, because measuring by means of resistance tensometers also permits the determination of dynamic stress, and the small dimensions of the pick-up render these instruments suitable for application also in difficultly accessible places. The author devotes the first pages of his book to a survey of the methods employed for measurements of very small length variations and thus also for stress determination. Then follows an explanation of the principle of action and a description of the properties of electric resistance tensometers. In further chapters, the author deals with tensometer installations and rosette-type pick-ups. The text of the work is supplemented by schematic set-ups, diagrams, nomograms, and photographs of instruments; the pertinent literature is cited up to the year 1956; looking-up of individual items is facilitated by a subject index.

**Větrání. Čistění plynů**

*Symposium of the Czechoslovak Scientific-Technical Society for Sanitation and Air Conditioning of the Czechoslovak Academy of Sciences, Vol. 2. Scientific editors Ing. Dr. Ladislav Oppl, Prof. Ing. Dr. Jan Pulkrábek. L. 8<sup>o</sup>, 120 pp., 64 figs., (Cz, e, f, r, g), p. c. Kčs 9,40*

**Ventilation. Gas  
Purification**

This publication presents original papers from the field of ventilation and gas purification, dealing throughout with endeavours to improve the atmosphere in both individual plants (contributions by Ing. Dr. L. Oppl and Ing. Dr. J. Cihelka) and in industrial regions (contributions by Ing. O. Štorch, Ing. Dr. V. Pražák a Ing. O. Miczka). The actuality of these problems is endorsed by tasks set by the Government for the improvement of sanitary conditions in the regions of Ostrava and Ústí, as well as by difficulties arising also abroad in eliminating the consequences of growing industrialization, such as the influences of increased dust content and industrial pollution of the atmosphere, which affect human health, vegetation, etc.

HISTORY

**Numismatický sborník V.**

*Edited by the Historical Institute of the Czechoslovak Academy of Sciences, its Commission for Numismatics; editor Emanuel Nohejlová-Prátová. L. 80, 364 pp., 53 ill. and maps, XVI tab. on art paper in suppl., (Cz, rum., p. r. f), h. c. Kčs 46,50*

**Collected Studies in Numismatics, Vol. V**

The volume includes papers dealing with various branches of numismatics. It is divided into two parts, one includes original papers, the other the description of findings. All contributions are the results of research of many years; the papers deal with Celtic history, ancient, medieval and modern history and with numismatic lists. The second part of the volume contains the description of 17 new findings of coins, ten of which are lists of groups of findings in Slovakia. Every paper is complete with a detailed apparatus of notes, numerous illustrations, maps and figures.

Contents: J. Winkler (Cluj): About the coins of the Daci and Gėti — Zd. Nemeškalová-Jiroudková: The coinage of the Alexandrian mint in the first three centuries A. D. among Czech and Moravian findings — R. Kiersnowski (Warsaw): Czech coins in Pomerania in the early Middle Ages — J. Pošváf: Outline history of the Brno mint — A. Rumpf: Moravian government coins in the Thirty Years War — J. Schenk: Mining in the Banská Bystrica region depicted on medals, jettons and value-stamps. — J. Petrtýl: The economic background of the Czech relief money-orders in the years 1848—1849 — J. Skutil, A. Malá: List of medieval and modern findings of coins in Moravia — Findings.

**Přehled československých dějin. Díl I. Do roku 1848. Maketa**

*Edited by the Historical Institute of the Czechoslovak Academy of Sciences. Editors: Corresponding-member Josef Macek, Dr František Graus, Dr Jan Tibenský, editorial secretary Dr Jiří Spěvák. L. 80, 956 pp., 143 ill., 13 maps, (Cz), h. c. Kčs 42,—*

**Survey of Czechoslovak History. Part I: From the Beginning to 1848**

The collective work of the foremost Czech and Slovak historians is based on the theses presented for public discussion in 1956. The authors expect that the present Survey of Czechoslovak History will lead to further wide discussion of Czechoslovak history. The discussion should also deal with the question of the

## HISTORY

character of a university textbook for history, the second part of which will lead to 1918, the third part to 1938 and the fourth from 1938 to the present. The discussion should also touch upon the problem whether the present Survey, which is the result of the joint work of a large group of historians, meets the needs or whether it would be better to reduce the number of authors and have a smaller group of historians write the history on the basis of the collected material. This publication of the Survey responds to the urgent call for a Czechoslovak history which would be more than a secondary school-textbook and which would be written in such a way as to be not only of interest to specialists also to the wider public.

## PERIODICALS

## Rozpravy Československé akademie věd. Řada společenských věd

*Annual 67—1957.*

Transactions of the  
Czechoslovak Academy  
of Sciences. Series  
of Social Sciences

No. 10: J. Jirásek: The serfs in the estate of the bishopric of Olomouc in the second half of the sixteenth century.

*L. 8<sup>o</sup>, 112 pp., (Cz, r, g), p. c. Kčs 11,30*

No. 11: V. Husa: Thomas Müntzer and Bohemia.

*L. 8<sup>o</sup>, 123 pp. and 8 pp. of suppl., (Cz, g), p. c. Kčs 15,—*

## PERIODICALS

## Acta Comeniana

Archives for Research on the Life and Work of John Amos Comenius.

*Edited by the Committee for the Study and Edition of Comenius' Writings at the Czechoslovak Academy of Sciences, Annual XVI/1/-1957, L. 8<sup>o</sup>, two issues annually of approx. 120 pp., (all universal languages), annual subscription*

*Rbl 9,60      \$ 2,40      £ 0,17,0*

Acta Comeniana

No. 2 contains (pp. 113—252): G. H. Turnbull: The Pansophiae Diatyposis of Comenius and its continuation [E, cz, g, r] —

## HISTORY

J. Ludvíkovský: Comenius's Praecognita pansophica; a bibliographical study [Cz, r, e] — L. Kudrybach. The staging of Comenius's Gate of Languages (Po, r, f, g) — R. A. B. Osterhuis: An evaluation of Comenius found in the correspondence of Konstantin Huygens [Cz, r, f, g] — Charles Hoole's Introduction to Orbis Pictus [Cz, f, r, g] — G. Geréb: A contribution to the didactic efforts of John Amos Comenius in the light of his activities in Hungary [Cz] — Short Comments. J. Patočka: A Comeniological work by Dmytrij Čyževskij [Cz] — A. Molnár: Sofoníáš Hausenmüller and the idea of the nurse school in Comenius's work [Cz] — J. Brambora: The gateway of languages. J. A. Comenius: Scholae [L, Cz] — Literature — News — Supplement: Comenius's Vestibuli et Januae linguarum Lucidiarium.

## Archeologické rozhledy

*Bulletin of Archeological and Related Scientific Institutes in Czechoslovakia. Annual IX-1957, 80, six issues annually of approx. 136 pp. plus 24 pp. suppl. on art paper, annual subscription*

Rbl 23,—      \$ 5,80      £ 2,1,0

Archeological  
Review

No. 6 contains (753—896): J. Bárta: Paleolithic settlement of Vlčkovec, Slovakia [Sl, f] — L. Bánescz: Paleolithic settlement of Tibava in eastern Slovakia [Sl, f] — Š. Rakovský: A settlement of people with spiral-neander ceramics in Zlaté Moravce, Slovakia [Sl, g] — M. Dušek: Cremation burial places of the North Pannonian civilization in Chotín, Slovakia [Sl, g] — P. Čaplovič: Extensive findings near Nižná, Slovakia [Sl, g] — P. Čaplovič: Research nr. Hrádok on the Istebno, nr. Dolný Kubín, Slovakia [Sl, g] — J. Paulík: The Hallstadt — La-Tène settlement of Mačianské vršky nr Sereď, Slovakia [Sl, g] — B. Benadiik: A new Celtic burial place nr Bajč-Vlkanovo, district of Hurbanovo, Slovakia [Sl, g] — E. Kraskovská: A Roman cremation ground nr Zohor, Slovakia [Sl, f] — M. Pichlerová: Roman burial place nr Gbelce, district of Štúrovo [Sl, f] — T. Kolník: Research of a Roman station nr Milanovce in 1956 [Sl, f] — J. Pastor: Old Slav zemlianskis at Somotor [Sl, f] — Topical Problems in European Pre-history. M. Dušek: North-Pannonian Civilization in Slovakia [Sl, g] — Museums and Exhibitions. M. Dušek: Seventy Years of the Danube Museum in Komárno [Sl, g] — V. Budinský-Křička: Archeological collections in the regional Museum of Prešov (Slovakia) [Sl, g] — Notes — Brief News — New Books — Periodicals — Off Prints.

## Československá ethnografie

*Annual V-1957, L. 80, quarterly of approx. 96 pp. with 12 suppl. on art paper (Cz), annual subscription*  
 Rbl 20,—      \$ 5,—      £ 1,15,8

Czechoslovak  
Ethnography

No. 4 contains (325—428): O. Nahodil: About the origin of Soviet socialist nations — Czech and Slovak Folklore — J. Kramárik: Theme classification of Czech anti-feudal legends — Czechoslovak Ethnography. L. Baran: Slides and sledges in the Czech lands and in Slovakia — Problems of Foreign Ethnography. L. Holý: Extraction and working of iron with the East-African Bantu — Survey of Ethnographic Research Abroad. A. Glapa: Ethnographic research in Poland in the years 1945—1955 [Po] — Materials. L. Baran, J. Plojhar: Some methods of traditional popular transport in the surroundings of Tung-Chuan — L. Baran, J. Plojhar: Some notes about popular transport on the Yellow River in North-West China — Reviews and Bibliography — Brief News.

## Československá psychologie

*Journal for Psychologic Theory and Practice. Annual I-1957, L. 80, quarterly, of approx. 96 pp., annual subscription*  
 Rbl 10,40      \$ 2,60      £ 0,18,7

Czechoslovak  
Psychology

No. 4 contains (317—401): H. Szewczyk: The importance, task and limits of psychology in medicine [Cz, r, e] — E. Syřiřtová — S. Drvota: Our experience with the Mittenecker method of speech-analysis [Cz, r, e] — J. Kašpárek: An attempt of the factor analysis of some quantitative and qualitative sings in handwriting [Cz, r, e] — V. Bricháček — O. Lanc: The decade counter [Cz, r, e] — Reviews and reports — Reviews of journals — Psychology in Czechoslovakia and abroad.

## Československý časopis historický

*Edited by the Institute of History of the Czechoslovak Academy of Sciences, Annual V-1957, L. 80, quarterly of approx. 208 pp., (Cz, r, f), annual subscription*  
 Rbl 17,—      \$ 4,60      £ 1,12,10

HISTORY

**Czechoslovak  
Historical Journal**

No. 4 contains (615—814): The fortieth anniversary of the Great October Revolution — J. César: The repercussion of the Great October Revolution in the Czech countryside in the years 1917-20 — A. Míka: About the beginning of primitive accumulation of capital in the Czech lands — Zd. Šolle: The beginning of the labour movement in Prague — B. Černý: The development of the distilling industry in the Czech lands — V. Kotyk: The Crimean conference and the attitude of the Soviet Union towards German unity — Reviews — Discussion — J. Purš: The problem of early stages of the industrial revolution in Poland — News — Chronicle.

**Český lid**

*Edited by the Institute of Ethnography and Folklore of the Czechoslovak Academy of Sciences. Founded in 1891. Annual 44-1957, 40, six issues annually of approx. 40 pp., with 8 pp. suppl. on art paper, (Cz), annual subscription*

Rbl 18,—      \$ 4,50      £ 1,12,0

**The Czech People**

No. 6 contains (241—288): I. Heroldová: Ethnographic peculiarities in the life and culture of the Volyně Czechs, Part V. — J. Janáček: The production of linen and veils in Bohemia in the 16th century. — F. Holec: The transport of fish in special underwater baskets. — R. Jeřábek: Obsolete ways of kindling fire and lighting houses in Moravian Valachia. — Vl. Svobodová: Folk embroideries in the Kloboucko district nr Brno. — B. Studna: The Zábřana family of master-masons. — H. Laudová: Yet another source of study in Czech folk dances. — O. Sirovátka: Some remarks about Polish folklore studies: — N. Kuret: Ethnography and folklore studies in Slovenia after 1945. — Literature, News, Bibliography.

**Památky archeologické**

*Edited by the Archeological Institute of the Czechoslovak Academy of Sciences, Annual XLIX-1958, 40, two issues annually of approx. 312 pp., (Cz, g), annual subscription*

Rbl 41,—      \$ 12,20      £ 4,7,0

**Archeological  
Monuments**

Nr. 2 contains: J. Poulík: The results of the research of the Great Moravian ringwall Valy nr Mikulčic. Report for the years 1954—1956 [Cz, g] — L. Hájek: Buttons of the Central European bell-beaker civilization [Cz, g] — L. Jansová: A contribution to the chronology of the South Bohemian late Hallstatt period [Cz, g]. — B. Svoboda: Jewelry of the 32nd grave in Smolín [Cz, g] — K. Černohorský: The millstones in the economic social development of the early Middle Ages [Cz, g] — S. A. Rumjancev: The use of polyvinylbutyral in preserving pre-historic metal objects [G] — Obituary. Jan Eisner: Bedřich Dubský — Reviews.

**Pedagogika**

Journal of Pedagogic Research. *Annual VII-1957, L. 80, six issues per year of approx. 128 pp., annual subscription Rbl. 13,20 \$ 3,20 £ 1,37*

**Pedagogics**

No. 6 contains (645—771): On the 40th anniversary of the Great October Revolution [Cz] — K. Hanuš: Getting to know the Soviet school and education [Cz] — Theory of Education and Instruction. J. Procházková: On the formation and mastering of the concept of the grammatical subject in the 6th grade of the elementary school [Cz, r, e] — V. Pařízek: The impact of exercises on the learning of grammar [Cz, r, e] — Educational Psychology. K. Tříška: A contribution to the theory of the pupil's mental development [Cz, r, e] — Chronicle. K. Angelis: Ladislav Koubek's Seventieth Birthday [Cz], — Literature — News.

**Umění**

*Edited by the Institute for the Theory and History of Art, Czechoslovak Academy of Sciences. Annual V-1957, quarterly of approx. 108 pp. on art paper, annual subscription*

*Rbl 38,40 \$ 9,60 £ 3,87*

**The Arts**

No. 4 contains (277—408): D. Menclová: Karlštejn and its ideological purport. — A. Kutal: Czech sculpture about the year 1400 and Alpine countries. — J. Krčálová: A Vienna portrait of King Sigismund. — J. Morávek: Guisepppe Mattei and the »New Building« of the Castle of Prague (1638—1644). — D. Konečný:



Portrait drawings of Ivan Nikolaiewitch Kramskoj. — Materials and News. J. Burian: Savery's view of the Lesser Town Square. [Cz]. — O. Kuča: Late Baroque construction of the church in Šenov [Cz]. — J. Šámal: Two letters of Josef Myslbek about the Mácha monument [Cz]. — V. Mixová: Contributions to the history of Czech baroque architecture in German literature [Cz]. — J. Šámal: A portrait of Jan E. Purkyně [Cz]. — Zd. Kudělka: Once more about the church of St James [Cz]. — Reviews and Bibliography. K. Stejskal: Z. Drobná 'Die gotischen Zeichnungen in Böhmen. — V. Dvořáková, I. Krsek: F. A. Sebastini. — J. Slavík: Foreign periodicals.

Aristoteles

Kategorie. První část souboru logických spisů Organon

*Translated from the Greek original Aristoteles Kategoriai, edited by Im. Bekker (Aristoteles graece, Volumen prius. Academia Regia Borussica. Berolini 1831) by Dr. Antonín Kříž. The author of the introductory study is Dr. Karel Berka. Notes and comments by Dr. A. Kříž and Dr. K. Berka. Edited by the Institute of Philosophy, Series: Filosofická knihovna. L. 80, 80 pp., (Cz), p. c. Kčs 5,—*

The Categories. First part of the collected works on logic Organon

The translation of the Categories gives the Czech public the opportunity to acquaint themselves with the first part of the logic writings of the greatest ancient philosopher, Aristotle of Stageira (348—322 B. C.). Aristotle's writings on logic, known under the collective title Organon, as well as his other philosophical writings are one of the fundamental pillars of human civilization. In it Aristotle outlined the firm gnoseological principles of logic and created the first integral system of logic which we call today the system of logic notions. In connection with the state of science in his times and on the basis of his philosophical predecessors Aristotle solved the universal problematics of notions which is closely linked with his theory of categories. This theory is the link between Aristoteles's philosophy as it is outlined in his Metaphysics and his logic system built up particularly in the First Analytics. Aristotle's conclusions are not only an ancient document in the history of logic, but also prove the endeavour of the ancient thinker to make progress in the sphere of recognizing the relationship between the perceived and thought object and the perceiving subject. This small work deserves our attention even today and its study is instructive for everybody interested in philosophy.

Růžek Antonín

Právní moc a vykonatelnost rozhodnutí v trestních věcech

L. 80, 165 pp., (Cz), p. c.

Kčs 12,70

Valid Judgment (res iudicata) and its Enforcement in Penal Cases

This work deals with the most important problems of penal procedure. On the background of the historical development of the institution of valid judgment (res iudicata) the author shows that this institution was adjusted in the legal order of every social-economic formation in such a way as to contribute most effectively to its aims. He then proceeds to analyse critically the

bourgeois theories of valid judgment and comes to the conclusion that these theories helped to conceal the class bias of bourgeois law. The author then explains the social-political significance of legal judgment in the Czechoslovak penal code and gives a detailed analysis of the valid form of this institution in present-day Czechoslovak law. In conclusion of his treatise the author tries to solve the problem of relationship between legal judgment and the enforcement of judgment.

PERIODICALS

Časopis pro mezinárodní právo

*Annual 1-1957, L. 80, quarterly of approx. 96 pp.,  
(Cz), annual subscription*

*Rbl. 10,40      \$ 2,60      £ 0,18,7*

Journal of  
International Law

No. 4 contains (281—384): D. M. Krno: The influence of the Great Socialist October Revolution on the development of international law — E. A. Lukaševa, I. S. Samoščeno: Soviet legislation after the XXth Congress of the Communist Party of the USSR — J. Žourek: The Soviet definition of aggression — a great contribution to the development of international law — Discussion: A. Kania: An international guarantee of secure sea navigation — H. Trammer: The so-called »one-sided collision norms« of private international law — International events: Joint declaration of the governments of the Czechoslovak Republic and of the Korean People's Republic — Pact of friendship and mutual cooperation between Czechoslovakia and the Mongolian People's Republic — Joint Czechoslovak-Polish declaration — Joint declaration of the governments of Czechoslovakia and of the German Democratic Republic — London disarmament talks — The fall of Mollet's government in France — Gromyko about the consequences of the aggressive North Atlantic Pact policy. — Joint declaration of the governments of the Polish People's Republic and of the German Democratic Republic — »Royal coup« in Jordan — Japanese-American talks — Chrusčev's speeches addressed to the American public — The IXth general assembly of UNESCO — The IVth meeting of the special work group for international trade arbitration — Proposals for new international agreements about sea law — Review of periodicals — Foreign legal systems — Judiciary in problems of international law — Reviews — Documents of international law and policy.

LAW  
PHILOSOPHY**Filosofický časopis**

*Edited by the Philosophical Institute of the Czechoslovak Academy of Sciences. Annual V-1957, L. 80, six issues annually of approx. 160 pp., (Cz), annual subscription Rbl 19,20 \$ 4,80 £ 1,14,0*

**Journal of  
Philosophy**

No. 6 contains (821—972): R. Kalivoda: The creation of the revolutionary ideology of the peasant-plebeian Tábor — Discussion. P. Materna: Once more about paradoxes, logic and dialectics — J. Vinař: A critical evaluation from the wrong platform — M. Rosenbaum: The character of normative sentences. — Documents. K. Konrad: Disharmony of contents and form — H. Marcuse: Principles of positivism and the origin of sociology — Reviews. M. Mleziva: About V. Filkorn's book »The Method of Science« — O. Sus: Some notes about personalities and trends in modern bourgeois aesthetics — News.

**Politická ekonomie**

*Edited by the Economic Institute of the Czechoslovak Academy of Sciences, Annual V-1957, L. 80, ten issues per year of approx. 88 pp., annual subscription Rbl 17,20 \$ 4,30 £ 1,10,9*

**Political Economy**

No. 10 contains (801—888): B. Urban: The reproduction of the implements of labour in material and value form — J. Skolka: Some conclusions from the statistical analysis of results of basic fund stock-taking in engineering [Cz]. — Consultation: M. Borák: The conception of the term »technic« [Cz] — Science in socialist countries. A. Pervuchin: The moral amortisation and the norms of depreciation [Cz] — Po-I-Po: How much to invest and how much to consume [Cz] — M. Kolganov: The national income in the United States during the years 1929—1954 [Cz] — Book Reviews — From Scientific Life — Information.

**Právník**

*Theoretical Journal for Questions of State and Law. Edited by the Institute of Law of the Czechoslovak Academy of Sciences. Annual XCVI-1957, L. 80, ten issues per year of approx. 96 pp., (Cz), annual subscription Rbl 23,20 \$ 5,80 £ 2,1,5*

**The Lawyer**

No. 10 contains (881—956): Legal science and the need for developing ideological activities. — J. Klabouch: J. A. Comenius as a political and legal thinker. — J. Grospič: The new constitutional adjustment of the Slovak national authorities. — V. S. Tadevsojan: The principle of Soviet economic law. — The letter addressed by the Czechoslovak Academy of Sciences to the Central Committee of the Communist Party of Czechoslovakia on the occasion of the death of President Antonín Zápotocký. — The Czechoslovak Academy of Sciences to the new President Antonín Novotný. — Comment. J. Brodský: The problem of balloons in the International Organization for Civil Aviation. — K. Fiala and Fr. Kalous: The new bill concerning economic contracts prepared in the German Democratic Republic. — Literature — Bibliography.

**Boháč Jiří M.**

**Kerčské vázy se zřetelem k památkám v československých sbírkách**

*L. 80, 178 pp., 62 ill., (Cz, n, r), h. c. Kčs 30,—*

**Kertchan Vases in Czechoslovak Collections**

This work aims at publishing all Kertchan vases existing in Czechoslovakia. At the same time it discusses in general the ancient ceramic production in the 4th cent. B.C. None of the relics of this kind have hitherto been published in Czechoslovak collections. The work is divided into three sections. In the first the author outlines the historic background against which ceramic production developed in Athens of the fourth century B.C., and the places to which these vases had been chiefly exported. According to the richest finding place of this type of vases they were called Kertchan vases. The second part deals with Greek vases of the 4th century B.C. in general and considers the relations of these vases to the ceramography of the preceding period, the aesthetics of their decoration, their ikonography and ikonology, their dates of origin and an evaluation of their place in the history of art. The last part of the book, the most extensive part, discusses Kertchan vases existing in Czechoslovak collections; this is followed by their detailed description, their date of origin and their place in the history of art. Numerous photographs illustrate the second part or accompany also the third part often in great detail.

**Slovník spisovného jazyka českého. Sešit 1 a 2**

*Chief editor: Academician B. Havránek. Editorial board: J. Bělič, M. Hecl, A. Jedlička, V. Křístek, and Academician Trávníček. Compiled by the lexico-*

*graphical group of the Czech Language Institute of the Czechoslovak Academy of Sciences: L. Doležal, J. Filipec, F. Havlová, M. Helcl, J. Janský, K. Kozlová, L. Kroupová, J. Machač, B. Papírníková, Z. Sochová, J. Štindlová, E. Vodrážková, J. Zima. L. 80, 96 pp., (Cz), p. c. Each section Kčs 7,50*

**Dictionary of  
Literary Czech,  
Sections I and II**

The Dictionary of Literary Czech will be published in three volumes (Vol. I: A—M; II: N—Ř, III: S—Ž), each volume of cca 1000—1200 pp. The new dictionary will contain the description of the literary word stock of present-day Czech, based on scientific research, but aiming at easy comprehension for everybody. Each item will give the meaning, phrases and idioms pertaining to each word selected from a great wealth of material; it will also state its spelling according to the new Czech spelling rules, its standard pronunciation, especially of words taken over from other languages; further will be quoted the forms of flexible words, phrases of verbs and prepositions, verbal prefixes pertaining to each verb and reference to the corresponding perfective or imperfective verbs. The dictionary will inform about the stylistic value of words and their meanings, about technical terms and phrases, archaic forms and phrases, about rare, expressive, bookish and poetic, regional, dialect, slang and argot expressions; all these will be included only if they appear in outstanding works of Czech writers. The dictionary will mention the source of origin of word-borrowings. The dictionary is to appear in sections of about 100 pp., subscription for the first ten sections is 75 Kčs; upon completion of each volume the subscribers will receive gratis hard covers.

**Verše bolesti, posměchu i vzdoru. Z časové poesie lidové a polo-lidové 17. a 18. století**

*Edited by the Institute of Czech Literature in the series Monuments of Old Czech Literature (Památky staré literatury české), vol. 20. Compiled and introduced by Dr. Zdenka Tichá, 80, 156 pp., 13 ill. in supplement, (Cz), h. c. Kčs 12,60*

**Verses of Affliction, Mockery, and Defiance.** From topical popular and semipopular Czech poetry of the seventeenth and eighteenth centuries

Topical literary compositions, created on the occasion of certain events or situations, undoubtedly have been alive among the people from ancient times, but their development can be consistently traced only from the Hussite period. The work is an anthology of verse of that type embracing roughly the period after the Battle at the White Mountain in 1620 until the beginning of the national revival. The respective verses have in common the various situations to which they react. Their variety of forms bear witness to the creative force of the authors. An important group of verses meant for oral recitation consists of paraphrases of prayers among the song compositions the most important are Protestant songs, chapman's songs and purely popular songs.

All these verses prove how vain was the endeavour of the counter-reformation to destroy the Hussite tradition among the Czech people. Its force and vitality which incited the oppressed into many revolts, definitely resounds from the topical poetry of this period and still excites our admiration.

#### PERIODICALS

##### Archiv orientální

*Edited by the Oriental Institute of the Czechoslovak Academy of Sciences. Annual XXV-1957, L. 80, quarterly of approx. 176 pp. and 4 pp. suppl. on art paper, annual subscription*

Rbl 34,20      \$ 8,55      £ 3,50

##### Oriental Archives

No. 4 contains (513—696): H. Kronasser: Hittite Hieroglyphs [G] — Fr. Lexa: Egyptian society in prehistoric times [F] — M. Riemschneider: Pahalt, the goddess of Pella [G] — L. J. Krušina-Černý: Two Prague collections of the Sumerian Tablets of the Third Dynasty of Ur [E] — V. Souček: Prism inscriptions in Prague collections [G] — L. Zgusta: The Pisidian Inscriptions [G] — K. Petráček: Manuscripts in the National Library of Prague [G] — I. Hrbek: The third tribe of Rus in Arabic sources [G] — K. Zvelebil: Participial and verbal nouns as predicates in Early Old Tamil [E] — T. Pokora: How many works were written by Wang Ch'ung [E] — J. Klíma: Despotism in the ancient Orient reconsidered [G] — St. Ségert: Some thoughts about textual criticism [G] — Book Reviews — I. Hrbek: Bibliography of Czechoslovak Oriental studies for the year 1956.



### Časopis pro moderní filologii

Journal for Germanic, English, Romance Philology with foreign language supplement *Philologica*. Edited by the Department of Modern Philology of the Czechoslovak Academy of Sciences. Annual XXXIX-1957, Supplement *Philologica IX.*, L. 80, 5 issues per year of approx. 80 pp., annual subscription

Rbl 18,10      \$ 3,70      £ 1,65,0

#### Journal of Modern Philology

No. 5 contains (257—320): V. Fried: Is English spelling reform possible? [Cz, e] — J. O. Fischer: The first Czech translations of Béranger (concl) [Cz, f]f— Ján Šimko: The Study of word order [Sl, e] — O. Tichý: Onomatopoeic alternations I-A and I-O in French [Cz, f] — Discussion: K. Hyršlová: About Franz Werfel [Cz] — V. Kafka: F. X. Šalda and Heinrich Heine [Cz] — S. Lyer: Sabir or lingua franca [Cz] — News and Reviews.

*Philologica* (Foreign Language Supplement) (57—80): I. Milner: The nature of the hero in Dickens and the eighteenth century tradition [E] — A. Hofman: Friedrich Schiller and Sophie Mereau [G] — J. B. Michl: Björnson's letters to Lederer [G] — P. Trost: A dialectical prophecy [G] — Reviews.

#### Česká literatura

Journal of Literary Science.  
 Edited by the Institute of Czech Literature of the Czechoslovak Academy of Sciences. Annual V-1957, L. 80, quarterly of approx. 128 pp. with 4 pp. suppl. on art paper, [Cz], annual subscription

Rbl 11,20      \$ 2,80      £ 0,10,0

#### Czech Literature

No. 4 contains (379—506): J. Levý: Artistic problems in translation — J. Kolár: Stories about Brother Jan Paleček — H. Hrzalová: The development of Czech journalism in the years 1848—1849 and its importance in the history of Czech literature — M. Jankovič: Reality and fiction in the early works of Jaroslav Hašek — P. Blažiček: Metaphoric images in the poetry of Jiří Wolker — Discussion. M. Obst: A selection of dramatic criticism by Jindřich Honzl — M. Nosek: Reportage and literary fiction — O. Svejková: A new theoretical work about textual criticism — Documents. O. Králík and J. Dvořák: A translation of Hamlet in Jungmann's *Slovesnost* — J. Novotný: The influence of the poetic work of Ján Holly on Czech patriots in the pre-March days — Chronicle and Comment.



LINGUISTICS  
LIBRARY SCIENCE

#### Československá rusistika

Journal of the Slavonic Languages, Literature and the History of the Soviet Union.

*Edited by the Czechoslovak-Soviet Institute of the Czechoslovak Academy of Sciences and the Slovak Academy of Sciences. Annual II-1957, L. 80, quarterly of approx. 184 pp. and 4 pp. suppl., (Cz), annual subscription Rbl 13 13,60 \$ 3,40 £ 1,14,0*

#### Czechoslovak Russian Studies

No. 4 contains (537—744): O. Říha - O. Křížek: The influence of the Great October Revolution and the creation of the Czechoslovak Republic. — Discussion and Documents. F. Šrom: The land decree and its execution in the years 1917—1918 — Z. Sládek: The first stage of nationalizing industry in Soviet Russia — K. Vaš: Expression of admiration by Czechoslovak workers to the Soviet Union and its defence — J. Jiša: The first reports about cultural efforts in Soviet Russia — J. Šedivý: Letters by M. Gorkij in an American publication — M. Drozda: Some notes about Majakovski's early writings — M. Genčiová: The artistic achievements in children's poetry — Reviews and Views. V. Čejchan: Three contributions to Czech-Russian contacts and relations in the first half of the 19th century — V. Hostička: Interpreting one sector in Slovak-Russian contacts — V. Žáček: Volume of Polish studies dealing with the history of revolutionary Polish-Russian co-operation — L. Dvořák: A new edition of Ključevskij's Russian history — V. Kotyk: An original Czech work about Černiševskij — A. Zavadová: Plekhanov's jubilee in Voprosi istoriji — J. Kohout: A new handbook of Russian intonation — B. Ilek: Theory of translation and literary science — H. Lukešová: A theoretical approach to children's literature — K. Martínek: The first part of an outline history of the Russian Soviet dramatic theatre. — J. Franěk: Problems of the history of literary science — R. Grebeničková: A contribution to the history of Russian formalism — R. Parolek: Commenting upon the discussion of the books written by M. Drozda and J. Jiša — Comments and Notes.

#### Listy filologické, EUNOMIA

*Edited by the Department for Greek, Roman and Latin Studies of the Czechoslovak Academy of Sciences, Annual LXXXI-1958, L. 80, two issues*

*annually of approx. 208 pp. and 4 pp. suppl. on art paper and foreign language supplement EUNOMIA, annual 1, (in all universal languages), annual subscription* Rbl 18,60 \$ 5,40 £ 1,18,7

**Journal of Philology**

No. 2 contains (153—307): J. Daňhelka: Jan Gebauer and Listy filologické [Cz, g] — Zd. K. Vysoký: Contributions to the interpretation and authorship of some new fragments of Aeschylus (to be cont.), [Cz] — R. Haken: Greek vases with children's motives in Czech collections [Cz, e] — J. Dobiáš: The new inscription of Zana (Diana Veteranorum) and the Roman inscription in the rock of Trenčín (CIL III 13439-Dessau, OL'S 9122), [Cz, f] — J. Burián: *Ἐλεύθεροι ἐκ νῶν ἀγρῶν* and the Spartacus rising [Cz, g] — R. Jakobson: An old Czech poem on original sin [Cz, e] — J. Hejnic, J. Martinek: Hitherto unknown Humanist prints in the Brno University Library (conclud.) [Cz, g] — J. Tříška: The poetry in the times of Charles IV and Master Gregory (to be cont.), [Cz] — D. Marečková: The spread of the changes ie>i and uo>û in the fifteenth century (to be cont.) [Cz] — J. Kadlec: "Collectura" of Master Prokop of Plzeň [Cz, e] — E. Michálek: The terminology in the so-called Rights of Soběslav and of Old Prague [Cz, f] — I. Vávra: The present status of the Josquin Problem [Cz, g] — I. Němec: Czech verbs denoting change of quality of the type *blednouti / zblednouti* [Cz, g] — M. Komárek: Old Czech diphthongization *y>ej* and its relations to the change *aj>ej* (to be cont.) [Cz] — Archives of the history of Philology. F. Ryšánek: A letter from Professor Jan Gebauer to Professor Ignác B. Mašek [Cz] — Reports — Reviews.

Foreign Language Supplement EUNOMIA (45—99): S. Luria: *Pakijanija, Inanija* and *Qoukoro* [G] — A. Salač: The name of the Turks in Greek and Latin [G] — L. Varcl: From the Archives of Theadelphia (Papyri Wessely Pragenses) cont. [G] — K. Beránek: *Im Memoriam Professor Arthur Stein* [G] — K. Svoboda: *Homerian Morals* [F] — J. Nováková: Critical comments of the poetic word "umbra" (cont.) [G] — F. Spunar: Problems of paleographic terminology [F] — Dictionary of Medieval Latin in Bohemia and Moravia [F].

**Naše řeč**

*Edited by the Czech Language Institute of the Czechoslovak Academy of Sciences. Annual XL-1957, 80, five double numbers per year of approx. 64 pp., [Cz], annual subscription*

Rbl 8,— \$ 2,— £ 0,14,0

LINGUISTICS -  
LITERARY SCIENCE

**Our Language**

No. 9—10 contains (249—310): V. Vahala: The spelling of the prepositions and prefixes s and z. — V. Šmilauer: Revision of Czech place names. — F. Kopečný - M. Machek: Once more about the word peskovat — Comments and News. Zd. Tyl: A new edition of Dalimil's Chronicle — M. Romportl: A new Czech work on Czech intonation — J. Bauer: Dictionary of Old Slavonic — New works about Czech and Slovak abroad — A publication about a forgotten Czech philologist — Brief Notes — Linguistic Advice.

**Nový Orient**

Cultural and Political Monthly the Oriental Institute of the Czechoslovak Academy of Sciences.

*Annual XII-1957, 40, ten issues per year of approx. 24 pp. with 4 pp. suppl. on art paper, (CZ), annual subscription* Rbl 13,20 \$ 3,30 £ 1,3,8

**New Orient**

No. 10 contains (145—160): M. Krása: Films from the Orient. Projection of oriental films in Czechoslovakia — M. Ševčík: Tunis. Brief history of the young African republic — Abdarrahman ash-Sharkawi: In the Rain. Short story by a famous Egyptian writer, trans. by R. Veselý — K. Petráček: Four pilgrims of Jerusalem. Reports on the Church of the Holy Sepulchre by four Czech pilgrims of the 15th and 16th centuries — O. Klima: Iranian Languages. Oriental languages series, no. 7 — St. Segert and J. Bílek: Ancient manners of milking from the point of view of modern physiology — R. Slabý: Doctors of Black Africa. Magicians-physicians in French Equatorial Africa — Discussion about translating books on the Orient — Translations of poems from Turkish and Chinese — Supplement: The Temple of Sleeping Buddha nr Peking.

**Slavia**

Journal of Slavonic Philology.

*Edited by the Slavonic Institute of the Czechoslovak Academy of Sciences. Annual XXVI-1957, quarterly of approx. 168 pp., (Cz), annual subscription*

Rbl 26,— \$ 8,20 £ 2,18,7

**Slavia**

No. 4 contains (489—651): K. Janáček: The fundamental doctrine of Kurylowicz concerning stress in Indo-European langua-

ges [Cz] — H. Křížková: Once more about Old Slavonic сътворилъ вждж [Cz] — J. Petr: Old Polish *tet* [Cz] — R. Krajčovič: The consonant group *zg* in Slovak and in Czech [Sl] — K. Zaklins'kyj: An unpublished poem by Petr Hulak-Artemovsk'kyj [R] — J. Losin'kyj: Juljan Tuwim in exile [R] — M. Kvapil: Jurij Križanic [Croat] — J. Dolanský: The impact of Hungarian literature on Slav literatures [Cz] — Materials. M. Bauerová: Did the conjunction or particle *ali* exist in Old Slav? [Cz] — K. Paul: A Czech poem composed by a Dane in 1857 [Cz] — A. Frinta: The beginning of philology and Slavonic studies among the Lusatian Serbs [Cz] — Criticism and Reviews. — Chronicle.

#### Slovo a slovesnost

Journal for the Theory and Literary Usage of Language.

*Edited by the Czech Language Institute of the Czechoslovak Academy of Sciences. Annual XVIII-1957, L. 8<sup>o</sup>, quarterly of approx. 80 pp., (Cz), annual subscription Rbl 10,60 \$ 2,20 £ 0,15,9*

#### The Word and Writing

No. 4 contains (193—252): B. Havránek: Academician František Ryšánek Octogenarian (Bibliography of Professor Ryšánek's writings composed by Zd. Tyl) — J. V. Bečka: Style and the development of thought — J. Chloupek: Some recent monographs about dialectological research. — Reviews. V. Budovičová: Soviet contributions to the historic-comparative study of Indo-European languages. — D. Konečná: Some preliminary notes about the work of Václav Zikmund — Chronicle: V. Skalička: Language as superstructure — J. Daňhelka: Old Czech dictionary — V. Pořízka: Confusion in basic grammatical terms in the Czech textbook of Hindi — Zd. Tyl: Czech linguistics in 1956 (Part Two: Czech).

**Vesmír**

Journal of Natural Sciences of the Czechoslovak Academy of Sciences.

*Journal of Natural Sciences of the Czechoslovak Academy of Sciences. Annual 36-1957, 40, ten issues annually of approx. 28 pp. with 4 pp. col. suppl. and many black and white illustrations in text, (Cz), annual subscription Rbl 10,70 \$ 2,70 £ 0,19,4*

**The Universe**

No. 10 contains (323—352): The first Czechoslovak atomic reactor — L. Liskovec: Water works in hydrotechnical research — M. Prosová: Dunes — F. Bayer: Meteorological singularities — B. Petr: Sensual warmth and cooling — M. Mikuláš: Psychological problems in the care of child's teeth — M. Milkovská: The philosophical views of the Czech physiologist V. Tomsa — News — Letters to the Editor — Discussion.

**Věstník Československé akademie věd**

*Annual 67-1958, L. 80, ten issues annually of approx. 64 pp. and 4 pp. suppl. on art paper, (Cz), annual subscription \* Kčs 50,-*

**Journal of the  
Czechoslovak  
Academy of Sciences**

No. 9/10 contains (p. 417—578): Corresponding-Member F. Link: The international geophysical year 1957-58 — The first nuclear reactor was launched in the Institute of Nuclear Physics of the Czechoslovak Academy — Academician A. V. Popčijev: The development of science in the USSR and the activities of the Academy of the USSR — Visit of the delegation of the Academy of Sciences of the Korean Democratic Republic to Czechoslovakia — Academician V. Laufberger: Advice on how to co-ordinate the activities of Academies of Sciences — Czechoslovak Peace Prize — News from the Presidium of the Czechoslovak Academy — News from the sections of the Czechoslovak Academy — Academician A. Jirásek: In Memoriam Corresponding Member František Neuwirt — Report about international scientific contacts — Bibliography of scientific books — Illustrations.

PUBLISHING HOUSE  
OF THE SLOVAK ACADEMY  
OF SCIENCES

*Falán M., Tomčáni J.,  
Okáli I., Brhlovič G.*

**Štátne majetky v ekonomike prechodného obdobia**

*L. 80, 152 pp, figs., (r, g), p. c.*

*Kčs 13,—*

**State Domains in the  
Economy of the  
Transitory Period**

The above study is an analysis of the development of the economy of the State Domains from their origin up to 1957. In same the authors deduct the principles according to which State Domains develop and/or should develop in the transitory period, and in the light of these principles they evaluate the actual development of the State Domains in Slovakia.

*Holotík Ludovít*

**Štefánikovská legenda a vznik ČSR**

*L. 80, 508 pp, h. c.*

*Kčs 36,50*

**The Legend About  
Štefánik and the  
Origin of  
Czechoslovakia**

Purpose of the above work is to throw light on the activities of M. R. Štefánik during the First World War, to unveil the legend about him and to contribute thus at the same time to the elucidation of certain problems in connexion with the coming into existence of the Czechoslovak Republic.

Contents: Preface — Problem of the Fight for National Freedom and the Slovak Bourgeoisie before the First World War — M. R. Štefánik before the First World War — Origin of the Action of the Czech and Slovak Bourgeoisie Abroad during the First Imperialist World War — Štefánik's Activities at the Beginning of the World War — Efforts Made by M. R. Štefánik to Subordinate Czech and Slovak Prisoners of War to the Interests of French Imperialism (1916—1917) — M. R. Štefánik Tries to Abuse the Czechs and Slovaks in the United States — Štefánik Endeavours To Subordinate the Czechoslovak Legions in Italy to the Interests of French Imperialism — Štefánik's Participation in the Anti-Soviet Intervention — The Last Stage of Štefánik's Activities in the Interests of French Imperialism. Štefánik's Death — The Coming into Existence of the Czechoslovak Republic — the Result of the Fight of the Czech and Slovak Peoples — The Legend about Štefánik and Its Mission — Conclusion — Documents.

*Novotný Bohuslav*

**Slovensko v mladšej dobe kamennej**

*L. 80, 136 pp., 73 figs., h. c.*

*Kčs 17,70*

**Slovakia in the  
Younger Stone Age**

In the above monograph the author presents, in a concise form, the development of the territory of Slovakia in the Neolite and Eneolite, giving not only the striking characteristics of the material and spiritual culture of its inhabitants at that time but also the interrelation of the pertaining cultures in a larger background of the development of primordial society. Its greater part is formed by illustrated enclosures in which is depicted nearly all the important archeological material, compiled with special reference to new discoveries.

*Szántó Ladislav***Vybrané state***L. 80, 340 pp., h. c.**Kčs 22,90***Selected Articles**

The above collection of articles and statements by Ladislav Szántó, member of the Slovak Academy of Sciences, is a valuable documentary work for the knowledge of the ideo-political situation in this country at the time of the First Czechoslovak Republic. It contains articles as well as more elaborate studies, covering mainly the period from 1929 to 1933, to which some treatises referring to events occurring after the Liberation have been added.

Contents: Introduction — Gold from Mud — In the U. S. S. R. They Also Build the Roof of Socialism — Materialistic Dialectics and Crisis of the Party — The Process of Eradicating Mankind — On Psychoanalysis from the Marxist Point of View — The Impartiality of Science and What Is Behind It — On the Trend of Future Five Year Plans — Marginal Note on Art — Through Rationalized Education to »Spiritual Control of Material« — Participation of Technical Science in the Formation, Enslavement and Liberation of Man — Under the Banner of Marxism — Fascist Rationalization of Education — The Source of Reactionary and Revolutionary Thinking of To-Day — Let Us Discuss, according to Marxist Ideology, the Inquiry into »Fascism and Culture« — On School Education — Science in the Services of Bourgeoisie and Proletariat — Lenin's Philosophy — Fundamental Questions of Plekhanov's Teachings — What Does It Mean To Be a Communist? — We Are Fighting Dialectical Marxists — The Proletarian Essence of the Novel »The Unploughed Field« — From Anti-Dühring to Empiriocriticism — Marx and Social Democracy — On Our Proletarian Weltanschauung — The Crisis of Bourgeois Nature Study and How to Surmount It (According to Bourgeois Ideology, »To Surmount« the Crisis in Science Means To Deny Science) — On Class Fight in Contemporary



Nature Study — On the Law of Evolution of the Unity of Contrasts — We Stand for Fighting Marxism-Leninism — What Is Concrete and What Is Abstract as Understood by Different Classes — The General Crisis of Capitalism as Reflected in Contemporary Theoretical Physics — On Some Shortcomings in Our Propaganda for Marxism-Leninism. — The Work That Meant Revolution in Science — On Dialectical Unity of the Scientific and Artistic Picture.

## PERIODICALS

## Terminológia organickej chémie

L. 80, 144 pp, p. c.

Kčs 7,—

**Terminology of  
Organic Chemistry**

The above manual contains a classification of current names of organic compounds, names of appliances and technological processes in the field of laboratory work. It has been supplemented with a list of radicals and general principles and rules for the rational creation of terms for organic compounds.

## Naše veda

Journal of the Board of Governors of the Slovak Academy of Sciences.

Annum 1957 (4th year), 40. Appears monthly, 48 pp, (SI), annual subs.

Ro. 16,80      \$ 4,20      £ 1,10,0

## Our Science

No. 11: Holotík L.: Echo of the Great October Socialist Revolution in Slovakia, Before the Coming into Existence of the Czechoslovak Republic — Thurzo V.: Some Questions Concerning Present-Day Oncology — Kolmogorov A. N. (USSR): Education of Young Scientific Workers in the USSR — Dub O.: Modes and Methods of Propagating Technical Science in the USSR — Meusel H. (German Democratic Republic): Actual Tasks of How To Protect Nature — Brhlovič G.: The Place and Function of State Domains in the Economy of the Transitory Period — Dimitrij Andrusov, Member of the Slovak Academy of Sciences — a Sexuagenarian — Minárik J.: Comments on the Anniversary of the Birth of Anton Bernolák (1762—1813) — Horecký J.: The Structure of Sentences in the Style of Specialists — Balaša G.: The Finding of an Aquamanile from the Romanesque Period —

Encyclopaedia Slovaca — Reviews — Communications and Short Reports — Periodicals and New Books.

No. 12: Sirácky A.: We Must Raise the Ideological Standard of Scientific Workers — From the Celebrations of the 40th Anniversary of the Great October Socialist Revolution at the Slovak Academy of Sciences: Welcoming Comrade Augustin Michalička, Secretary of the Central Committee of the Communist Party of Slovakia — Sidorov A. L. (USSR): Significance of the Great October Socialist Revolution — Szántó L.: Ideological Foundations of the Victory of the Socialist Revolution — Bochníček Z.: The Results of Observation of the Soviet Artificial Satellite of the Earth, Made at the Observatory of Skalnaté Pleso — Košťa L.: Tasks of the Science of the Farmers' Cooperatives Law — Maňák V.: The Problem of Participation of Ultraviolet Radiation in Artificial Lighting — Balcar V.: Industrial Utilization of Technical Glass — Ladislav Dérer, Member of the Slovak Academy of Sciences, Is Sixty Years Old — Voda J.: In the Footsteps of Aurel Stodola — Hruška E.: Reconstructing Small Towns in Slovakia — Januška E.: Working on the Encyclopaedia Slovaca — Votruba I.: Proposing Catchwords for the Lexicographic Group »Food Industry« — Reviews — Communications and Short Reports — Periodicals and New Books.

#### Jednotná škola

*Annum 1957 (12th year), L. 80. Appears every second month, 128 pp, (Sl, r, g), annual subs.*

Ro. 10,—      \$ 2,50      £ 0,17,10

#### Unified School

No. 5: Kotoč J.: The Great October Socialist Revolution and the School — Gončarov N. K.: On the Perspective Plan of Development of Popular Education in the USSR in the Coming 15—20 Years — Rosenberg M. T., Balaš F. K.: Experience with Education for Work at Soviet Schools — Pavlovič G.: Some Questions of Method in Polytechnical Education — Dubecký K.: On the Contents of a Tentative Syllabus for Teaching Mathematics — Karšai Fr.: Notes on the Question of Founding a Gymnasium (Grammar School) at Prešov — Jurčo M.: The Significance of Soviet Psychology in the Shaping of Our Marxist Psychology — Communications — Bibliography.

No. 6: Pavlovič G.: The Call for Systematic Polytechnical Teaching in Schools Providing General Education — Kantor Š.: New Considerations in the Creation of Textbooks on Musical

Education for Teachers' Training Colleges — Vincze L.: The Life and Pedagogic Work of Samuel Tešedík (1749—1820) — Kováliková V.: Comments on the Question of Sociograms as a Guide in Finding Out the Structure of Class Relations — Communications — Bibliography — Biographies.

#### Slovenská reč

*Annum 1957 (22nd year), L. 80. Appears every other month, 64 pp, (Sl), annual subs.*

Ro. 7,80      \$ 1,80      £ 0,12,10

#### The Slovak Language

No. 6: Jóna K.: The Literary Language and Its History — Peciar Š.: Comments on the Revised Edition of the Rules of Slovak Spelling — Horák G.: Notes on the Problem of the Pluperfect Tense in the Slovak Language — Horecký J.: Two Peculiarities in the Names of Persons — Topics for Discussion — Communications and Reviews — Sundry Topics.

#### Slovenské odborné názvoslovie

*Annum 1957 (5th year), L. 80. Appears monthly, 32 pp, (Sl), annual subs.*

Ro. 10,—      \$ 2,50      £ 0,17,10

#### Slovak Terminology

No. 10: Horecký J.: On Homonymy in Terminology — From the Terminology of Arc Welding — From the Terminology of Civil Law — From the Terminology of Organic Chemistry — Topics for Discussion — Communications.

No. 11: Horecký J.: Remarks on the Linguistic Side of Tables — From the Terminology of Gymnastics — From Anatomical Terminology — Igumnová A.: From the Slovaco-Russian Terminology of Waters — Topics for Discussion — Communications.

No. 12: Dujčíková V.: The Word Creating Structure of Borrowed Word — From Photographical Terminology — Igumnová A.: From the Slovaco-Russian Terminology of Waters — Dvonč L.: From the Terminology of Logic — Communications.

#### Slovenský filozofický časopis

*Annum 1957 (12th year), L. 80. Appears quarterly, 104 pp, (Sl), annual subs.*

Ro. 10,—      \$ 2,50      £ 0,17,10



**Slovak Journal of  
Philosophy**

No. 4: Uher J.: The Ideals of the Great October Revolution in Our Life — Hrušovský I.: Dialectics and Science — Strinka J.: Notes on the Question concerning Criteria of Progress — Münz T.: Hegel's Philosophy of History — Illeková I.: On Some Discussions on Biology in This Country — Reviews.

**Historický časopis**

*Annum 1957 (5th year), L. 80, Appears quarterly,  
160 pp, (Sl, r, g, f), annual subs.*  
Ro. 15,20      \$ 3,80      £ 1,7,0

**Historical Review**

No. 4: Holotík L.: Echo of the Great October Socialist Revolution in Slovakia from the End of 1917 till the Coming Into Existence of the Czechoslovak Republic — Tolnai G.: Development of the Farmers' Industry and Its Transformation Into Capitalist Industry in Pre-Trianon Hungary in the Period from 1842 to 1848 — Vlachovič J.: The Beginnings of Habsburgian Administration in the Slovak Mining Industry — Krajčovič R.: The Problem of Development of Slovak Nationality from the Linguistic Point of View — Havlík L.: Notes on the Question of Nationality on the Territory of the Great Moravian Realm — Kosminskij E. A.: Historiology of Arnold Toynbee — Krandžalov D.: On the Present State of Bulgarian Historical Science — Criticism — Glosses — Bibliography — Communications — Chronicle.

**Slovenská archeológia**

*Annum 1957 (5th year), 40. Appears twice a year,  
240 pp, on art paper, containing illustrated enclo-  
sures, (Sl, r, g, f, h), annual subs.*  
Ro. 41,—      \$ 12,20      £ 4,7,0

**The Slovak  
Archaeologist**

No. 2: Gábori M.: Discoveries of Aurignacian at Šahy-Parassa on the Hungaro-Czechoslovak Frontier — Kolník T., Paulík J.: Investigations Concerning Preservation of the Neolithic Settlement at Borovce near Piešťany — Spurný V.: Numerous Discoveries of Radiolarite Blades at Kálnica — Novotná M.: Discoveries of Copper Axes with One Edge, Coming from the Territory of Slovakia — Novotná M.: Discoveries of Great Numbers of Decanters from Želiezovce — Hájek L.: Clay Plastics of Human Figures from the Bronze Age at Barca near Košice — Čaplovič P.:

## SOCIAL SCIENCES

Lausitzer Incineration Graves underneath Skalka at Vyšný Kubín — Kraskovská L.: Latvian Cemetery at Komjatice — Boháč J.: White Lekytos in the Municipal Museum of Bratislava — Budinský-Krička V.: Tombs from the Roman Period and the Times of the Migration of Nations at Kapušany — Kudláček J.: The Culture of Burying Grounds of the Čerňachovský Type in the Ukraine and the Antic Problem — Vlček E.: Anthropological Material from the Times of the Migration of Nations in Slovakia — Bernákovič V. K.: Early Slavonic Relics in the Transcarpathian Territory (USSR) — Budinský-Krička V.: Report on the Preliminary Investigations of the Slavonic Cemetery at Bitarová — Čorovič-Ljubinkovič M.: A Survey of the Works in the Field of Slavonic Archeology Published in the Servian National Republic from 1945 till the End of 1955 — Reviews.

## Slovenská literatúra

*Annum 1957 (4th year), L. 80. Appears quarterly, 128 pp, (Sl), annual subs.*

Ro. 10,— \$ 2,50 £ 0,17,10

## Slovak Literature

No. 4: Markiewicz H. (Kraków): Realism and Literary Trends — Tomiš K.: Weltanschauung and Creative Work — Bartko H.: On the Poetry of Ján Kostra — Kusý I.: The Great October — Gáfrík M.: The Poetical Legacy of Ivan Gallo — Čapan O.: The Manuscripts of Janko Kráľ — Archives — Criticism — Glosses.

## Slovenský národopis

*Annum 1957 (5th year), L. 80. Appears every other month, 112 pp, containing illustrations, (Sl, r, g, e, f), annual subs.*

Ro. 24,— \$ 6,— £ 2,2,10

The Slovak  
Ethnographer

No. 6: Vladimír Ivanovič Čičerov — In Memoriam — Dégh L., Jech J.: A Contribution to the Study of Interethnic Influences in Folk Tales — Tábori G.: Head-Gear Needles of Slovak Women at Tótkomlós (Hungary) — Brodniansky J.: Manufacture of Footwear at Pukanec — Sedlák V.: Historical Sources Relative to the Robber Jakub Surovec — Jeršová M.: About Slovak Popular Religion — Kovačevićová S.: Ethnographic Observations in Rumania — Reviews and Short Reports — Bibliography.



### Slovenské divadlo

*Annum 1957 (5th year), L. 80. Appears every second month, 96 pp, containing illustrations, (SI), annual subs.*  
 Ro. 15,20      \$ 3,80      £ 1,7,0

#### The Slovak Theatre

No. 6: Rototajev A. S., Klinčin A. P.: The Richness of Soviet Theatrical Art (About the Work of the Bachrušinov Central Theatrical State Museum) — Mrlíam R.: Notes on the Repertoires of Dramatic Art Theatres in Slovakia — Brecht B.: Should the Theatre Entertain or Instruct? — Mrlíam R.: Suggesting Catchwords for Theatrical Terms in Encyclopaedia Slovaca — Čavojský I.: The Plays of Jakub Grajchman in Competitions Organized by Matica Slovenská — Review of Grajchman's Plays in Competitions Arranged by Matica Slovenská — Kret A.: Recent Premières of Original Creation (Smrček's Drama »Magda Burčová« on the Nitra Stage and at the Dedinské Divadlo [Village Theatre]; Solovič's »Restless Youth« on the Zvolen Stage) — Palovčík M.: Comments on the Putting into Scene of the New Operetta »Fill-Full of Love« — Noskovič A.: Dolmány's »The Podmanínovs« by Radio.

### Ekonomický časopis

*Annum 1957 (5th year), L. 80. Appears every other month, 96 pp, (SI), annual subs.*  
 Ro. 25,—      \$ 6,30      £ 2,4,8

#### Economic Review

No. 5: Szántó L.: Legacy of the Great October Revolution — Sakov M.: The Building of Socialism and the Participation of the Masses in the Management of Social Production — Tomčáni J.: Some Questions Concerning the Intensity of Agricultural Production — Procházka B.: Problems of Transport when Decentralizing Production. — Okáli I.: Conditions of Marketing for State Domains — Laučík Z.: Comments on the Discussion Concerning the Essence of Cost Price — Bauch V.: Report on the Study Excursion to Rumania — Foreign Economists Visit Bratislava — New Candidates of Economic Sciences — Reviews.

No. 6: Lantay Á.: Utilization of Economic Laws — Essential for Increased Efficiency in the Management of Our Economy — Kohlmeý G.: The October Revolution — the Beginning of a Transitory Period in the Economic System of the World — Brhlovič G.: Notes on the Economic Assessment of the Land

Fund — Vojtko J.: Some Questions Concerning the Interrelation Between Price Determination and the Measurement of Profitableness in Socialist National Economy — Turčan J.: Comments on the Amendment of Regulations Concerning Buying and Taking Over Agricultural Products — Judtová J.: The Level of Productivity of Work on the State Farm at Zvolen — Turčan P.: Report on the Study Excursion to Yugoslavia — Heretik Š.: Intensifying Cooperation with Economists in the German Democratic Republic — Svetoň J.: The 30th Session of the International Statistical Institute at Stockholm — Bača J.: Increase in the Basic Production Fund of the Unified Farmers' Cooperatives.

#### Právnické štúdie

*Annun 1957 (5th year), L. 80. Appears quarterly,  
176 pp, (Sl, r, g), annual subs.*

Ro. 40,— \$ 10,— £ 3,11,5

#### Legal Studies

No. 4: Colotka P.: A Historic Anniversary of the October Victory — Klabouch J., Kryštufek Z.: Notes on the Literary Sources Concerning Komenský's Views on Jurisprudence — Hlavsa J.: J. A. Komenský's Views on the State and Law — Luby Š.: The Title to Regression and the Principle of Moderation — Spišiak J.: Wholesale Deliveries by Rail and Road Haulage — Azud J.: Immunities and Privileges of Official Representatives Acting on International Organizations (UNO, Its Affiliated Organizations and Other Bodies).

#### Právny obzor

*Annun 1957 (40th year), L. 80. Appears 10 times  
a year, 64 pp, (Sl), annual subs.*

Ro. 11,— \$ 3,20 £ 1,2,10

#### Legal Observer

No. 9: Paníček F.: Notes on the Election of Judges and Lay Members of Courts — Virsik A.: Some Aspects of Routine Contracting in the Codification of Rules and Regulations Concerning Economic Contracts — Vitovský O.: Annulment of Debts by Payment by a Transfer and Encashment Order — Turek J.: Accessories and Forfeiture of Lien — Zirin A.: Some Remarks on the Question of Recovery of Damages Resulting from Mutual Deliveries of Goods among Socialist Organizations — Planková O.: Notes on the Term »Family House« according to the Stipulations

of the New Law concerning Administration of Lodgings — Reviews — Communications — Bibliographic Information.

No. 10: Comrade Antonín Zápotocký Is Dead — Tomko J.: Sovereignty of States — an Indispensable Prerequisite for Peaceful International Cooperation — Breier Š.: Pillaging and Arbitrary Damaging of Socialist Property according to the Czechoslovak Penal Code — Biely K.: Some Questions relative to Forfeiting — Petruřáková J.: Extracted from the Literature on the Ownership of Lodgings — Ružiak G.: The Probate Court's Confirmation of Inheritance and the Heirs' Agreement — Chládek J.: Notes on the Question of Competency of Court — Reviews — Bibliographic Information.



**Aktuálne problémy z chirurgie zažívacích ústrojov**

*L. 80, 112 pp, 23 figs., p. c.*

*Kčs 9,40*

**Current Problems in  
the Field of Surgery  
of the Alimentary  
Tract**

The above symposium contains papers which were read at the Tenth Kostilivý Memorial Meeting of Surgeons in 1956.

Contents: Matoušek M.: On the Attitude of Czech and Slovak Surgeons to Soviet Surgery — Jedlička V.: A Contribution to the Pathology of Acute and Chronic Pancreatitis — Podlaha J.: Diagnosis, Operative Treatment and Complications of Cholangitis — Kukura A., Litomerická T.: Ten Years' Experience with Blockages of the Splanchnic Nerves in the Differential Diagnosis and Treatment of Acute Abdominal Conditions — Čársky K., Brix M., Suchý E.: Ulcerative Colitis — Holubec K.: Truet's Method in the Treatment of Open Fractures — Demjén Š.: Problems in the Treatment of Patients with Split Lip and Palate.

**Biologické práce**

**Studies in Biology**

appear as an edition of the Section of Biological and Medical Sciences of the Slovak Academy of Sciences; they are a supplement of the Journal of Biology. The Editors include in same studies which would occupy too large a space in the above mentioned periodical, but owing to their smaller extent cannot be published as individual works. The single studies appear in individual booklets.

Booklet 3, volume IV. Bokesová-Uherová M.: Bratislavaer Medizinisch-Naturwissenschaftlicher Verein (Bratislava Society for Medicine and Nature Study).

*L. 80, 40 pp, (G, r), p. c.*

*Kčs 8,20*

Booklet 4, volume IV. Klika J.: A Contribution to the Phytocenology of Peats and Marshes in the Záhorie Lowland.

*L. 80, 40 pp., (r, g), p. c.*

*Kčs 4,10*

Booklet 5, volume IV. Toman M.: Common Laws Governing the Action of Fungicide Substances.

*L. 80, 64 pp., 19 figs., (r, g), p. c.*

*Kčs 8,20*

**Matulay Karol****Liečenie syfilisu nervstva penicilínom**

*L. 80, 206 pp., figs., graphs., tabs., (r, g, e, f), h. c.  
Kčs 28,10*

**Treatment of Syphilis  
of the Nervous  
System with  
Penicillin**

The author submits a report on examination and treatment of a series of 243 patients suffering from syphilis of the nervous system as well as a certain number of mentally diseased individuals in whom the underlying illness was lues latens. Some of these cases, treated with penicillin, have been followed up for a period of over ten years. The author compares the results of treatment with penicillin with those obtained in the times before the advent of penicillin.

From the contents: Preface. Introduction. The Development in the Treatment of Syphilis of the Nervous System. Congenital Syphilis of the Nervous System. Acquired Syphilis of the Nervous System. Discussion and Summary of What Has Been Hitherto Learnt about Syphilis of the Nervous System. Conclusion.

## PERIODICALS

**Biológia**

*Annum 1957 (12th year), L. 80. Appears monthly,  
80 pp, containing tables, photogr. illustrations, (S,  
r, g, e, f, p), annual subs.  
Ro. 17,50      \$ 7,80      £ 2,15,9*

**Journal of Biology**

No. 11. Klimová K.: Comments on the Fourtieth Anniversary of the Great October Socialist Revolution — Valenta V.: Remarks on the Virus Causing Tobacco Necrosis in Czechoslovakia. — Bystrický V., Valenta V., Závada J.: Electronmicroscopic Picture of the Tobacco Necrosis Virus Isolated in Czechoslovakia — Arpai J., Janotková O., Križanová M.: Respiratory Changes in Yeast Germs through the Influence of Chlortetracycline — Svätokrižna G., Jacko R.: Saprobiological Investigation of the Little Danube — Hoja Š.: Some Cytological Problems in Striated Muscles After their Transplantation. Part II — Rapoš M.: Glial Cells in Matrix Parts of Culture from Nerve Tissue of the Central Nervous System — Čákay E.: Sterliadochona ssavini (Skrjabin, 1946) — a New Parasite in Our Trouts — Roubal J.: A Contribution to Slovak Heteropterology — Málková-Mornsteinová D.: Survival of Encephalitis Viruses in Water — Chronicle — Books and Periodicals.

No. 12: Meusel H.: The Task of Protecting Nature Today — Krippel E.: A Contribution to the History of the Forests in the Yugoslav Karst Region — Toman M., Škrobal M.: Comparing the Efficiency of Two Methods of Testing Seed Canterizers — Málková-Mornsteinová D.: The Disinfective Action of Chlorine Preparations on Encephalitis Viruses — Čákay E.: Discovery of *Philometra sanguinea* (Rudolphi, 1819) in Slovakia — Čepelák J., Slamečková M.: The Results of Collections of Bluebottles of the Genus *Sacrophaga* Meig. in Various Localities of the Zobor Mountain near Nitra — Hestmáněk M.: Saprophytic Stages of Dermatophytes in Nature — Lác J.: The Spread of *Dicranolasma scabrum* (Herbst, 1899), of the Family of Opilionea, in Slovakia — Chronicle — Books and Periodicals.

#### Bratislavské lekárske listy

*Annum 1957 (37th year), L. 80. Appears twice a month, 64 pp, containing tables, photogr. illustrations, (Sl, r, g, e, f) annual subs.*

Ro. 41,—      \$ 10,20      £ 3,12,10

#### The Medical Journal of Bratislava

No. 9: Djbák O.: The Biological Value of Different Forms of Vitamin C in Experiments. Part I. The Biological Value of Different Forms of Vitamin C in the Early Stage of C-Avitaminosis — Pospíšilová V.: Changes in the Protein Fractions of Blood Serum in Sclerosis Multiplex — Fraštacký Š.: Substitution for the Stomach following Radical Total Gastrectomy by a Graft from the Transversal Colon — Urbánek T., Sitaj Š.: Experience with the Administration of High Doses of Vitamin B<sub>12</sub> in Ochronotic Arthropathy — Demjén Š.: Malignant Melanoma — Jonec V.: On the Thermoregulating Function of the Endocrine System — Zemaník J.: Surveying the Development in Ferrotherapy — Proceedings of the Czechoslovak Medical Association J. E. Purkyně — Books — Periodicals — Communications.

Nos. 10—11: Ladislav Dérer, Member of the Slovak and Czechoslovak Academies of Sciences — a Sexuagenarian — Antal J., Sedlák P., Hájek J.: Conditionally Reflexive Changes in Respiratory Metabolism, Elicited in Men during Muscle Activity — Niederland T. R., Můžeš V., Fedorčáková G.: Changes in Hyaluronidase Activity in Vivo after Administration of Salicylanes for Several Days — Sonak R., Štefanovič J.: On Passive Anaphylactic Reaction in Guinea-Pigs — Korec R.: The Influence of Cystine and Indol-3-Acetic Acid on Insulin Hypoglykaemia in Experiments — Hrubiško M., Bušová B., Mergancová O.: The Use of Phyto-

agglutinines in the Diagnostics of Group Properties — Gerová M., Gerő J.: The Acral Skin Vessels During and After Arterial Haemorrhage — Ruttkay-Nedecký I., Kellerová E., Ondrejčák M.: Interrelation Curves of Time and Intensity of Irritation of the Peripheral Motor Nerve in Arterites — Netoušek M., Filip J.: Haemorrhagic Diathesis Due to Fibrinogene Deficiency (Acute Defibrination Syndrome) — Kuklová-Štúrová B.: Study of the Vegetative States in Dyspnoes — Nosál M.: Infected Pneumoclonosis — Sifaj Š., Kleinová R., Trnavský K.: The Reflex Algodystrophic Syndrome in the Course of Hyperthyreoses Treated with Alkiron — Ondrejčička M., Breier P.: A Contribution to the Question concerning Pathogenesis of the Thyreotoxic Heart — Ujházy V., Winkler A., Černý V., Šándor L.: Treatment of Chronic Myeloses with Myleran — Holomáň K.: Interrelation of Cholelithiasis and the Development of Acute Pancreatitis — Proceedings of the Czechoslovak Medical Association J. E. Purkyně — Books — Periodicals — Communications.

No. 12: William Harvey — Bárdoš G., Barta E., Fizeľ A., Cagaň S.: The Pharmacological Approach to Dealing with Nervous Trophic in the Process of Physiological Enlargement of the Heart — Nikš M., Cagaň S., Gáborík J.: Conditional Reflective Changes in the Electrocardiogram in Dogs — Formánek G., Birčák J., Blahušiaková Ž.: Cytostatic Treatment of Haemoblastoses in Children — Jakubcová I., Michalko J., Šintaj M.: Changes in Plasma Proteins in Compensated and Decompensated Rheumatic Cardites in Children — Pór F., Schweitzer P.: A Contribution to Diagnostics of the Thyreotoxic Heart — Proceedings of the Czechoslovak Medical Association J. E. Purkyně — Books — Periodicals — Communications.

#### Neoplasma (Československá onkológia)

*Annum 1957 (4th year), L. 80. Appears quarterly, 96 pp, containing tables, photogr. illustrations, (R, G, E, F, P, H), annual subs.*

Ro. 19,60      \$ 4,90      £ 1,15,6

#### Neoplasma (Czechoslovak Oncology)

No. 4: Winkler A., Černý V., Ujházy V.: The Action of Chloralkylamine on Desoxyribonucleic Acid (A Contribution to) — Smída J., Holoubek V., Kovárová V., Oravec C.: Immunobiological Properties of the B 77 Virus Tumour (A Contribution to) — Šimkovic D., Hnilica L.: Application of Placental Extracts in Cultivation in Vitro. Part III. Influence of the Dialysable Fraction

of Placental Extract on the Growth of Chick Embryo Fibroblasts in Tissue Culture — Winkler A., Ujházy V., Černý V.: Mechanism of the Action of Myleran (A Contribution to) — Ďurkovský J., Čepček P., Kuzma I.: The Influence of Betamercaptoethylamine on the Irradiated BŠ Rat Tumour — Beneš J., Bergsteinová V., Breicha M.: Changes in the Total Amount of Free Aminoacids and Proteins of the Blood Serum in the Postirradiation Syndrome in Rats — Alberti W.: The Superficial Dose and the Medium Deep Dose When Irradiating by the Sieve Method — Wiedermann B., Podivinský R., Vodička Z., Janíček M.: On the Problem of Waldenström's Macroglobulinaemia — Švejda J., Brychtová J., Bechinie E.: The Influence of Regeneration on Take and Growth of the Transplantable BŠ Rat Tumour — Vondra J., Vindruška V.: Treatment of Carcinoma of the Lower Lip by Surgery and Radiology — Venclík H., Rubeš R.: En-bloc Resection of Lymphatic Nodes in Cancer of the Lip — Pospíšil L., Švejda J.: Further Observations concerning the Biological Properties of BŠ Tumour. Part II. Immunobiological Properties of the BŠ Tumour — Nejedlý K., Štraub R.: Spontaneous Spinocellular Sarcoma in a Guinea-Pig — Jaroš J.: An Analysis of Cancer Mortality in Czechoslovakia with Special Reference to Sex Incidence — Prof. Ladislav Dérer, M. D., Member of the Slovak and Czechoslovak Academies of Sciences, Celebrates His Sixtieth Birthday.

Holubičková B.,  
Kropáčová A.

**Vegetačné pomery okresu Štúrovo**

*L. 80, 320 pp, 40 figs., (r, g), p. c. Kčs 27,—*

**Vegetation Conditions  
of the Štúrovo  
District**

In the first part of the above study Dr. B. Holubičková gives a description of natural conditions of the Štúrovo district, presents a survey of the types of wooded areas and plant families as well as a survey of the single kinds of tree growing on that territory, drawing from all this material economic conclusions which are of significance for practical work.

In the second part Dr. A. Kropáčová concerns herself with ecologic factors in the typology of meadows and pastures in South Slovakia. She presents a survey of the working and ecological methods as well as a survey of the ecological conditions prevailing in that territory. She also enumerates the species bidding fair for cultivation in those meadows and pastures, and presents a table showing cultivation values of species in the single ecologic stages.

**Pestovanie marhúl a ich predčasné hynutie**

*L. 80, 320 pp, 129 figs., (r, g, f, e), p. c. Kčs 30,50*

**Cultivation of Apricot  
Trees and Their  
Early Dying**

The above study is a summary of what has been hitherto learnt, in this country and abroad, about cultivation of apricot trees, special attention being devoted to the explanation of causes of their early dying.

The first chapter gives a survey of the actual state of cultivation of apricot trees in different European countries (Czechoslovakia, USSR, Hungary, Yugoslavia, Austria, Bulgaria, France) and in China. The second chapter deals with graft-carriers. Same contains contributions the purpose of which is a preliminary evaluation of local varieties of plums as potential graft-carriers for apricot trees, as well as a discussion of the question of their selection. In a further chapter the authors concern themselves with reproduction of apricot trees. In the fourth chapter there are, besides a contribution to the theory of improvement with special reference to practical tasks, studies concerning improvement as well as the more important questions of agrotechnique. The fifth chapter treats of the harmful factors and the last chapter of the results, hitherto gained, of complex investigation of apricot growing localities.

**Stolbur and Kindred  
Virus-Caused  
Seedlessness of  
Plants**

**Stolbur a příbuzné vírusové bezsemennosti rostlín**

*L. 80, 216 pp, 50 figs., (R, G, E, H), p. c. Kčs 25,50*

The above symposium contains papers read at the Scientific Conference on Stolbur and Kindred Causes of Seedlessness, which was held, with scientific workers from abroad also participating, at Smolenice in September 1956.

Contents: Introduction — Špaldon E.: Opening address — Blatný C.: The Basic Questions concerning Stolbur — Kvičala A., Nováková-Pfeiferová J.: Stolbur and Icteri — Todd J. M.: Shaginess of Potatoes and Similar Diseases in Great Britain — Panjan M.: Stolbur in Yugoslavia — Szirmai J.: Stolbur in Hungary — Kovačevski I. Ch.: Stolbur of Bulbous Plants in Bulgaria — Heine A.: Stolbur and Jaundice of Asters in Germany — Brčák J.: On the Problem of Stolbur Carriers — Bojňanský V.: Stolbur in Potatoes — Valenta V.: The Problem of "Northern Stolbur" in Czechoslovakia — Jermoliev E., Průša V.: Thread-like Germination of Potato Tendrils — Pozděna J., Čech M.: Preparation of Anti-Stolbur Serum and the Influence of Inhibitors on the Serological Reaction of Stolbur — Kosljarová V.: Non-Germination of Potato Tendrils — One of the Symptoms of Stolbur — Jermoljev E., Průša V.: Comparative Physiology of Healthy Plants and Those Attacked by the Spinning Mite and Stolbur — Čermák J.: Stolbur and Tobacco Plant — Bednár J.: Fermentation of Stolbur-Infested Tobaccos — Špaldon J.: Closing Address — Attendance and Discussion — Resolution Passed.

**PERIODICALS**

**Poľnohospodárstvo**

*Annum 1957 (4th year), L. 80. Appears every second month, 208 pp, containing tables, photogr. illustrations, (Sl, r, g, e), annual subs.*

Ro. 31,20      \$ 7,80      £ 2,11,9

**Agriculture**

No. 6: Špaldon E., Láskoš J.: Density of Abutilon Growth as the Main Factor of Yield — Palášthy E.: Putting into Effect the Principles of Chozrasczot (Economic Plan) on State Domains — Mišík V.: The System of Danube Roaches. Part I. Roach (*Rutilus rutilus carpathorossicus*, Vladykov 1930) from the Little Danube — Sedlár J.: A Contribution to the Spread and Biometry of the Mottley Sunflower (*Lepomis gibbosus* Linné, 1758) and Horned Pont (*Ameiurus nebulosus*, Le Sueur 1819) in Southern Slovakia — Peter Vl.: The Influence of Pitted Lucerne Admixture on Laying and the State of Health of Hens — Plánovský L.: The Interrelation of Live Weight, Age and Shear Yield in Merino Sheep

in Conditions of Normal Selection — Landau L.: The Development of Cattle Raising in Slovakia during the Last Ten Years and the Outlook for the Future — Jančářík A.: Antithiamines in the Feeding of Farm Animals — Böjtös Z.: Up-to-date Questions concerning Improvement of Grassy Papilionaceae for Feeding Purposes — Chronicle — Reviews — Books.

**Veterinársky časopis**

*Annun 1957 (6th year), L. 80. Appears every other month, 104 pp, containing tables, photogr. illustrations, (Sl, r, g, e, f), annual subs.*

Ro. 19,80      \$ 4,80      £ 1,14,0

**Veterinary Journal**

No. 6: Žuffa A., Škoda R.: Preparation of Lyophilized Vaccine against Fowl Variola from Pigeon Stocks in Chicken Embryos — Menšík J., Černý L., Zeman J.: Intrauterine Transmission of Pig Influenza — Nižnánsky Fr.: The Biological Properties of Brucella Strains Isolated in Czechoslovakia. Part I. The Results of Studying the Strains Occurring in Sheep from Southern Moravia — Szent-Iványi M.: Treatment of Epizootic Aphte in Sheep — Švec R., Michálek K.: What We Have Learnt about Suppression and Prevention of Poultry Cholera — Landau L., Marcinka K.: Notes on the Question of Dependence of the Colour Index of Yolk and the Albumin Index of the White of Hen Eggs on the Quantity and Quality of Feeding and the Season of Laying — Šutta J.: Barbiturates as General Anaesthetics in Big Domestic Animals — Čollák D.: Injuries to the Flexor Tendons of Horses and Their Treatment — Halík J., Toufar J.: The Dying of Bacteria on Meat during Refrigeration — Communications.

**Lesnícky časopis**

*Annun 1957 (3rd year), L. 80. Appears every second month, 72 pp, containing tables, photogr. illustrations (also in Technicolour), (Sl, r, g), annual subs.*

Ro. 15,20      \$ 3,80      £ 1,7,0

**Journal of Forestry**

No. 4: Magic D.: The Narrow-Leaved Ash (*Fraxinus angustifolia* Vahl) in Slovakia — Patočka J.: On the Morphology and Bionomy of Moths and Their Chrysalids from the Family of Chloephoridae — Samšíňáková A., Samšíňák K.: The Enemies and Diseases of the Frisamlide Beetle (*Agelastica alni* L.) — Korenek J.: Acclimatization of Exotic Trees in the Region of Banská Štiavnica — Chorvát R.: The Present Methods Employed in Debarking Small Logs and the Outlook for the Future — Papánková L.: Forestry in Canada Seen with the Eyes of Soviet Foresters — Reviews.



**Geologické práce — zprávy 49**

*L. 80, 252 pp, 89 figs., (r, g), p. c. Kčs 21,65*

**Geological  
Studies — Reports 49**

In the above reports the problems of Neotertiary Vulcanism of the Slovak Carpathians are dealt with. Further, they contain contributions concerning the problems of pyroclastic rocks as well as contributions relating to the matrotectural features of intrusives and effusives.

*Hronec Jur*

**Diferenciálne rovnice II. Parciálne diferenciálne rovnice**

*L. 80, 402 pp, 403 figs., h. c. Kčs 36,—*

**Differential Equations.  
Part II. Partial  
Differential  
Equations**

The above work contains material from the field of partial differential equations. With its contents it is one of the most elaborate works from this branch of Mathematics in the whole world. Its theoretical part is illustrated by a great number of examples taken from Mathematical Physics and Technical Sciences. Most of these have been solved and in those remaining unsolved the result has been given. This book will prove an excellent facility for university students, technical staffs and engineers as well as specialists in the field of partial differential equations.

Contents: Introduction — On the Possibilities of Solution of Partial Differential Equations — Some Special Differential Equations — Differential Equations with Two Independent Variables — Partial Differential Equation of the First Order with N Independent Variables — Existence Proofs for the Solution of Partial Differential Equations — Partial Differential Systems of the First Order — Geometrical Consideration on Differential Equations with Two Independent Variables — Partial Differential Equations with Constant Coefficients of the Second and Higher Orders — The Theory of Solution of Linear Differential Equations of the Second Order with Variable Coefficients — Hyperbolic Differential Equations — Elliptic Differential Equations — Boundary Problems in Solving Elliptic Differential Equations — Some Parabolic Differential Equations in the Field of Heat Transmission — The Solution of Hyperbolic and Elliptic Equations with Three and Four Independent Variable Orders — The Fundamentals of Integral Equations — A Brief Historical Survey of the Development of Partial Differential Equations — Bibliography — Index of Authors and Subjects.

## PERIODICALS

## Matematicko-fyzikálny časopis

*Annum 1957 (7th year), L. 80. Appears quarterly, 64 pp, containing photogr. illustrations and graphic tables, [Sl, r, g], annual subs.*

Ro. 19,— \$ 4,70 £ 1,13,7

Journal of  
Mathematics  
and Physics

No. 4: Šalát T.: On Certain Spaces and Orders with Bair's Metrics — Urban A.: Elevation of the Intersection of Curves by Projection — Dubinský J. et al.: The Photone Element of Extensive Effusions.

## Chemické zvesti

*Annum 1957 (11th year), L. 80. Appears monthly, 64 pp, containing photogr. illustrations, graphic tables, [Sl, r, g], annual subs.*

Ro. 31,20 \$ 7,80 £ 2,15,9

## Chemical News

No. 10: Zikmund M.: Spectrophotometric Investigations of Chromium-Potassium Sulphate Solutions (Part II). Changes While Aging — Krasnec L., Krätšmár-Šmogrovič J., Pivoda A.: A Contribution to the Chemistry of Intrinsically Complex Beryllium Salts with Organic Acids of the Type of  $Be_2O(R-CO_2)_6$  — Truchlík Š., Mašek J., Drábek J.: The Reaction of N-Chlorosuccinimide with 0,0-Dialkyldithiophosphoric Acids — Traiter M.: A Contribution to Paper Chromatography of Non-Volatile Organic Acids — Zitko V.: Determination of Capsaicine (Part I). The Reaction of Capsaicine with P-Diazobenzenesulphonic Acid — Paulech J., Dykyj J.: Laboratory Distillation Columns (Part I). Evaluation of Some Kinds of Pulverized Filling Material — Tomášek K.: Studying the Harden-Young's Effect (Part III). Paper Chromatography of Phosphoric Esters of Sugars — Benzce K., Plešková A.: The Reaction of Pentachlorophenol with 4-Aminoantipyrine — Furdík M., Bátora V., Drábek J., Jarás A., Mašek J., Truchlík Š.: Proposals for the Terminology of Organic Compounds of Phosphorus.

No. 11: Gažo J., Šramko T.: Aging of the System:  $Cu^{2+}-Cl-Br-CH_3.CO.CH_3$  — Mikulášová D., Hrivík A.: Polymerization of Tera-Substituted Aylmethyl Silanes (Part I). Kinetics of the Polymerization of Ayltrimethyl Silane and Dialyldimethylsilane — Bauer Š., Masler L., Ország Š., Mokry J., Tomko J.: A Contri-

tribution to the Study of 1-Phenylacetylcarbinole (Part V) — Dúbravková L., Ježo J., Šefčovič P., Votický Z.: Synthesis of Some Derivatives of Alkaloids (Part XI) — Janda J., Vanko A.: Catalysts for Vinylchloride (Part III). Conditions for the Development of Reaction By-Products — Arpai J., Valentin F.: A Study of Kinetics of the Biosynthesis of Itaconic Acid — Kocková-Kratochvílová A., Tomášek K., Gebauerová A.: Studying the Harden-Yong's Effect (Part IV). Investigation of the Harden-Young's Effect with the Aid of Paper Chromatography — Gréser A.: A Proposal for the Photoelectric Adjustment of Pulf-rich's Visual Photometer for Micro-Determinations.

No. 12: Dillinger M.: Studying Polarographic Maxima (Part II). Investigation of Electrolyte Streaming towards the Quicksilver Drip Cathode — Ježo I., Kaláč V.: Synthesis of Some Derivatives of Alkaloids (XII) — Krasnec L., Heger J.: A Contribution to the Chemistry of Cyclic  $\alpha$ ,  $\alpha'$ -Hydroxymethylized Ketones and Alcohols (Part I). 2,2, 5,5-Tetramethylolcyclopentanone and Some of Its Derivatives — Mikulášová D., Hrivík A.: Polymerization of Tetra-Substituted Alkylmethylsilanes (Part II). The Mechanism of Radical Polymerization of Alkyltrimethylsilane — Augustín V., Čunderlíková M.: Influence of the Raw Material and the Technological Procedure Used on the Quality of Strained Tomato — Betina V.: The Significance of Aminoacids in the Biosynthesis of Penicillin.

#### Geologický sborník

*Annuaire 1957 (8th year), L. 80. Appears twice a year, 160 pp, containing illustrations, tables, (SI, r, g), annual subs.*

Ro. 20,50      \$ 5,10      £ 1,16,5

#### Symposium of Geology

No. 2: Dimitrij Andrusov, Member of the Slovak Academy of Sciences — a Sexuagenarian — Maheľ M.: Basic Rock Mountain Ranges — a Specific Feature of the West Carpathians — Nemčok A.: Influence of the Geological Structures on the Morphological Development of the Hron Valley — Švagrovský J.: Some New Miocene Representatives of the Family of Trochidae — Bystrický J.: A Contribution to the Knowledge of Diploporids of the Trias of Gemerides — Mišík M.: Lithological Profile of the Manin Series — Halahyrová-Andrusovová G.: Mineralogical Study of the Ni-CO Arsenides of the Dedičná Pit at Dobšina — Koděra M., Krist E., Matherny M.: The Character of Granates from Bur-

zovo and Pomjaslo — Ďurovič S.: On the Lognormal Classification of Elements. Part I. Classification of the Concentrations of Nickel, Zinc, Copper and Manganese in the Pyrotine from Heľpa — Matuľa M.: Traces of the Periglacial Periods along the Southern Foot of the Little Carpathians — Kúšik R.: Notes on the Question concerning Composition and Origin of the Oolitic Ferriferous Ores at Oravice.

**Geografický časopis**

*Annum 1957 (9th year), L. 80. Appears quarterly, 80 pp, containing fotogr. illustrations, graphic enclosures, (Sl, r, g), annual subs.*

Ro. 27,— \$ 6,80 £ 2,8,7

**Geographic Magazine**

No. 3: Ambruš J.: A Contribution to the Question concerning Classification of Territories from the Biometeorological Point of View — Tarábková J.: A Contribution to the Geography of Transport of Sugar Beet to the Sugar Refineries in Slovakia — Droppa A.: The Aragonite Cave at Ochtin — Communications — Literature.

No. 4: Plesník P.: The Influence of Wind on the Shape of Crown and Trunk of Pines in the Upper Boundary Zone of Woods in the Krivánska Malá Fatra — Vrána O.: Geographical Investigation of Ostrov from the Point of View of Settlements — Communications — Literature.

*Jambor Jaromír*

**Air-Entrained  
Concrete**

**Prevzdušený betón**

*L. 80, 236 pp, 119 figs., (r, g, e), p. c. Kčs 22,20*

Taking a broad view of his subject, the author summarizes in the above monograph what has been hitherto discovered about air-entrained concrete and its properties, making use partly of his own experience, partly of experience acquired in several research institutes as well as on a great number of sites in this country, and finally availing himself of studies published abroad.

He discusses the theory of formation of air bubbles when mixing fresh concrete, as well as all factors having an influence on their size and their total volume in the concrete. He quotes the chemical composition of all known admixtures used in air-entraining abroad and in this country, as well as the directions for their application. Further, he discusses the influence of air-entraining on all the properties of fresh as well as hardened concrete, viz. consistency, coherence, workability, bleeding, strength, bond, modulus of elasticity, capillarity and resistance against aggressive influences. He pays careful attention to the various dosing devices for air-entraining, used on sites. This monograph is a contribution not only to the problem of improving the quality of the most used and most important building material — concrete — of the building industry of to-day, but also to the problem of making methods of building more economical, of increasing the durability and thus also the safety of concrete constructions.

**PERIODICALS**

**Zváračský sborník**

*Annum 1957 (6th year), L. 80. Appears quarterly, 128 pp, containing photogr. illustrations, graphic tables, (Sl, r, g), annual subs.*

*Ro. 20,80      \$ 5,20      £ 1,17,0*

**Welding Journal**

No. 3: Faltus F.: The Problem of Shape in Dynamically Stressed Steel Constructions — Zapletálek A.: Metallurgic Weldability as a Function of the Substance of Material and Its Physical Condition — Nawrot T.: The Welding of Concrete Reinforcement and Precast Elements — Vrána B.: Welding of Steel by Friction — Škriniar J.: A Contribution to the Problem of Attaching Gadgets Working in Cold by Welding.

No. 4: Havalda A.: A Study of Caloric Values of the Uncovered

Arc Schweighofer A.: Calculation of Thermal Fields in Electric Arc Welding — Krňák R.: Welding Work in the Construction of Steam Locomotives at Českomoravská Kolben-Daněk Co. — Ozogán L.: The Welding of Pipelines — Žuffa P.: A Contribution to the Problem of Porosity of Aluminium Welds When Using the SIGMA Method — Slyško P.: The Use of Chemical Polishing for Metallographic Purposes.

#### Strojoelektrotechnický časopis

*Annum 1957 (8th year), L. 80. Appears 10 times a year, 64 pp, containing photogr. illustrations, graphic tables, (Sl, r, g), annual subs.*

Ro. 32,80      \$ 8,20      £ 2,18,7

#### Machine Building and Electrical Engineering

No. 6: Graphic Methods in Solving Dynamical Problems — Wegrzyn S.: Transitory Phenomena Induced in Electric Circuits by Serial Impulses — Kováč J.: On the Classification of Movements of Bodies — Héger F., Hordán J.: D. C. Dynamometers — Slosiar J.: On the Distribution of Dielectric Losses in Technical Glasses — Short Reports.

#### Stavebnický časopis

*Annum 1957 (5th year), L. 80. Appears every other month, 64 pp, containing photogr. illustrations, graphic tables, (Sl, r, g), annual subs.*

Ro. 16,80      \$ 4,20      £ 1,10,0

#### Journal of Archi- tecture and Building

No. 5: Beljankin F. P.: Shear Strength of Timber along Fibres — Koprna M.: The Method of Traverses — Jambor J.: Non-Autoclaved Gas Concrete — Kozák J.: Plastic Buckling of Soft Steel Bars.

No. 6: Francú S.: Precast Large Concrete Slab Houses in Czechoslovakia. — Kittler R.: The Problems of Experimental Research of Day-Lighting of Architectonical Spaces with the Aid of Models and Artificial Sky — Jambor J.: Non-Autoclaved Gas Concrete — Jávor T.: Measurement of Deformations by Magnetoelectric Torsion Strain Gauges.

**Vodohospodársky časopis**

*Annum 1957 (5th year), L. 8<sup>o</sup>. Appears quarterly, 96 pp, containing photogr. illustrations, graphic tables, (Sl, r, g), annual subs.*

Ro. 13,20      \$ 4,40      £ 1,11,5

**Water Engineering** No. 4: Afanasjev A. I.: A Method of Forecasting Flow of the Danube — Tavoda O.: An Analysis of the Efficiency of Waterproof Carpeting and Veiling in the Presence of an Isotropic and Anisotropic Subgrade — Franc I., Motlík J.: Hydraulic Impact in Composed Penstocks — Boško K.: Pollution and Purity of Surface Waters in Slovakia.

**ABBREVIATIONS**

p. c.	— paper cover	g/	— German summary
h. c.	— hard cover	H	— written in Hungarian
*	— out of print (for exchange only)	h	— Hungarian summary
ČSAV	— Czechoslovak Academy of Sciences	L	— written in Latin
SAV	— Slovak Academy of Sciences	l	— Latin summary
Cz	— written in Czech	P	— written in Polish
cz	— Czech summary	p	— Polish summary
E	— written in English	R	— written in Russian
e	— English summary	r	— Russian summary
F	— written in French	Sl	— written in Slovak
f	— French summary	sl	— Slovak summary
G	— written in German		Size (measured by the length of the back):
			8 <sup>o</sup> — 15 to 20 cm
			L. 8 <sup>o</sup> — 20 to 25 cm
			4 <sup>o</sup> — 25 to 35 cm

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