PADOVAN, Ivo; LIPOZENCIC, Marko; BASIC, Marko

Malignant tumors of the epipharynx with special reference to surgery and radiation therapy. Rad. med. fak. Zagreb. 9 no.3:279-292 '61.
(NASOPHARYNX neopl)

PADOVAN, Ivo, doc., dr.

Stapedo-vestibular and endolabyrinthine micro-surgery. Vojnosanit. pregl. 18 no.9:751-760 S '61.

1. Bolnica Dr. Mladen stojanovic u Zagrebu, Otolaringoloski odjel.

(LABYRINTH surg) (VESTIBULAR APPARATUS surg)

PADOVAN, Ivo, dr.; JURDANA, Stanko, dr.

Thalassotherapy in diseases of the respiratory system. Lijecn. vjesn. 557-564 '62.

1. Iz Otolaringoloskog odjela Bolnice "Dra Mladena Stojanovic" u Zagrebu i Zavoda za talasoterapiju u Crikvenici.
(THALASSOTHERAPY) (RESPIRATORY SYSTEM dis)

PADOVAN, Ivo, Dr.; ORESKOVIC, Miroslav, Dr.

Defects of the fundus of the orbit and their functional and cosmetic effects. Lijec vjes 82 no.7/8:575-581 '60.

1. Iz Otorinolaringoloskog odjela Opce bolnice "Dra. Mladena Stojanovica" u Zagrebu
(ORBIT dis)

SARIC, Marko, dr.; PADOVAN, Ivo, dr.; KESIC, Branko, dr.

The problem of medical research in Croatia. Lijecn. vjecn. 87 no.5: 501-509 My '65.

L 32896-66

ACC NR: AP6023782 SOURCE CODE: YU/0015/65/000/06-/0138/0141

AUTHOR: Padovan, Ivo (Professor; Doctor)

ORG: Institute for Research and Protection of the Ear and Respiratory Organs (Institut za proucavanje i zastitu uha i disnih organa); Clinic for Diseases of the Ear, Nose and Throat /headed by Professor, Doctor A. Serger/, Medical Faculty, General Hospital "Dr. Mladen Stojanovic", Zagreb (Klinika za bolesti uha, nosa i grla Medicinskog fakulteta Opce bolnice)

TITLE: Treatment of malignant diseases of the upper jaw

SOURCE: Medicinski glasnik, no. 6-7, 1965, 138-141

TOPIC TAGS: tumor, chemotherapy, plastic surgery

ABSTRACT: Comprehensive description of surgical procedure in malignant tumors of the maxilla, including plastic electro-resections surgery after prior chemotherapy wtih podophyllin. Results of latter chemotherapy were confirmed by histologic and electronmicroscopic studies. Results depend on time of treatment, being excellent with surgery even without radiation treatmont if the operation is carried out early. "Several dozen" patients were operated on successfully. Orig. art. has: 2 figures. [JPRS]

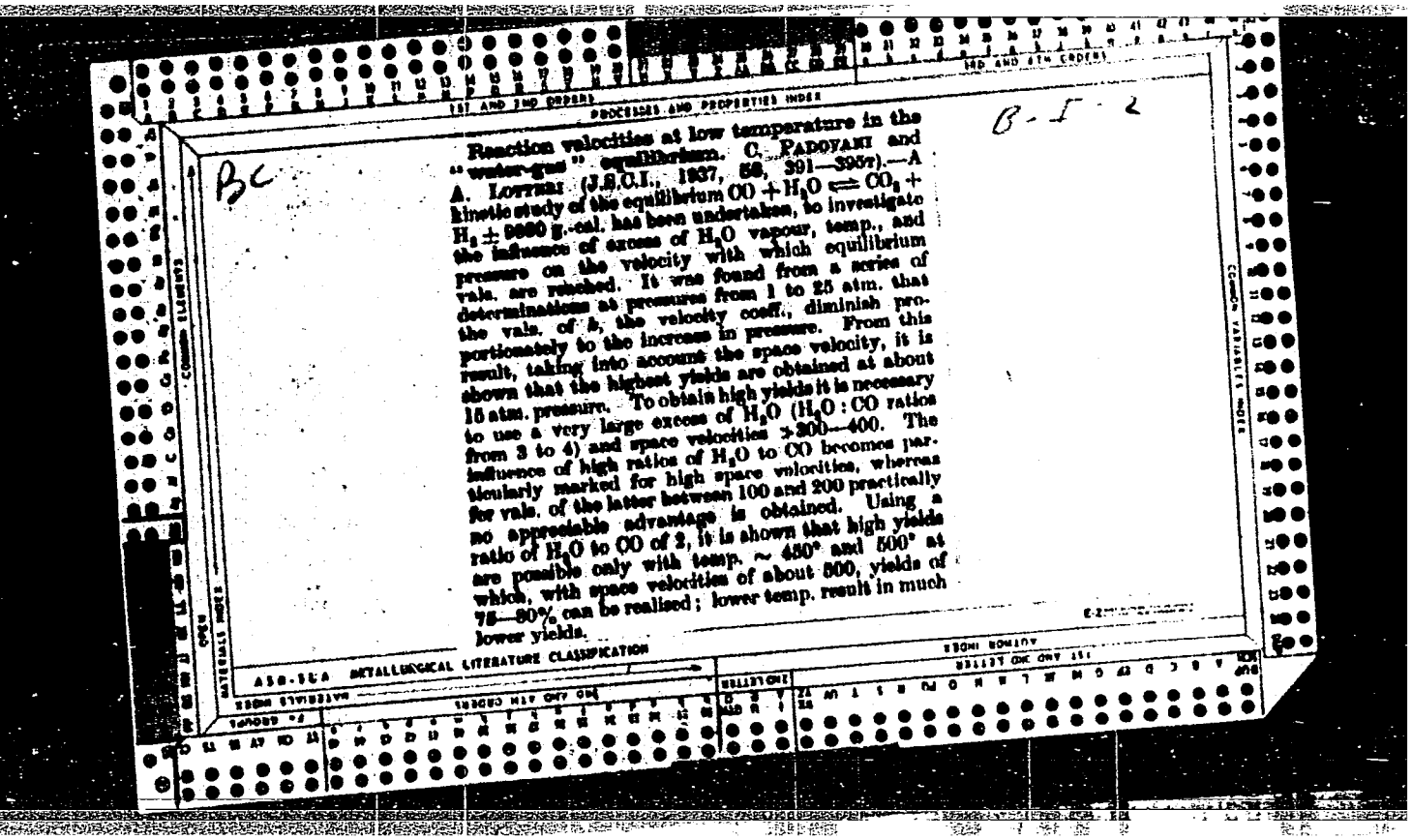
SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 013

Card 1/1

PADOVAN, Ivo , prof. dr.

Therapy of malignant diseases of the maxilla. Med. glas. 19 no. 6:138-141 Jl-Ag ' 65.

1. Institut za proucavanje i zastitu uha i disnih organa, Zagreb; Klinika za bolesti uha, nosa i grla Medicinskog fakulteta Opce bolnice " Dr. Mladen Stojanovic", Zagreb (Predstojnik: prof. dr. A. Sercer).



Reaction velocities at low temperature in the "water-gas" equilibrium. C. PADOVANI and A. LOTTERI (J.S.C.I., 1937, 56, 391—395r).—A kinetic study of the equilibrium $CO + H_2O \rightleftharpoons CO_2 + H_2 \pm 9980$ g.-cal. has been undertaken, to investigate the influence of excess of H_2O vapour, temp., and pressure on the velocity with which equilibrium vals. are reached. It was found from a series of determinations at pressures from 1 to 25 atm. that the vals. of k, the velocity coeff., diminish proportionately to the increase in pressure. From this result, taking into account the space velocity, it is shown that the highest yields are obtained at about 15 atm. pressure. To obtain high yields it is necessary to use a very large excess of H_2O (H_2O : CO ratios from 3 to 4) and space velocities >300—400. The influence of high ratios of H_2O to CO becomes particularly marked for high space velocities, whereas for vals. of the latter between 100 and 200 practically no appreciable advantage is obtained. Using a ratio of H_2O to CO of 2, it is shown that high yields are possible only with temp. ~ 450° and 500° at which, with space velocities of about 500, yields of 75—80% can be realised; lower temp. result in much lower yields.

PADOVANI, C.

"Utilization of natural gas in Italy; also, remarks by F. Valy and others."

p. 348 (Energia Es Atomtechnika) Vol. 10, no. 8/10, Dec. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

PADOVANI, P.

On the problem of cartilaginous tumors of bones and joints.
Acta chir. orthop. traum. Cech. 32 no.4:296-298 Ag '65.

PADOVCOVA, H., JANOUSEK, S., BOR, I.

"Oxymetric examination of congenital deformities of the heart. p. 200. (CASOPIS LEAKARU CESKYCH, Vol. 92, #8, Feb. 1953, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol. 2, #8 /Library of Congress, August 1953, Uncl.

BOR, I.Dr.; PADOVCOVA, H.Dr.

Rheumatic pneumonia. Pediat. listy, Praha 9 no.5:264-265 Sept-Oct 54.

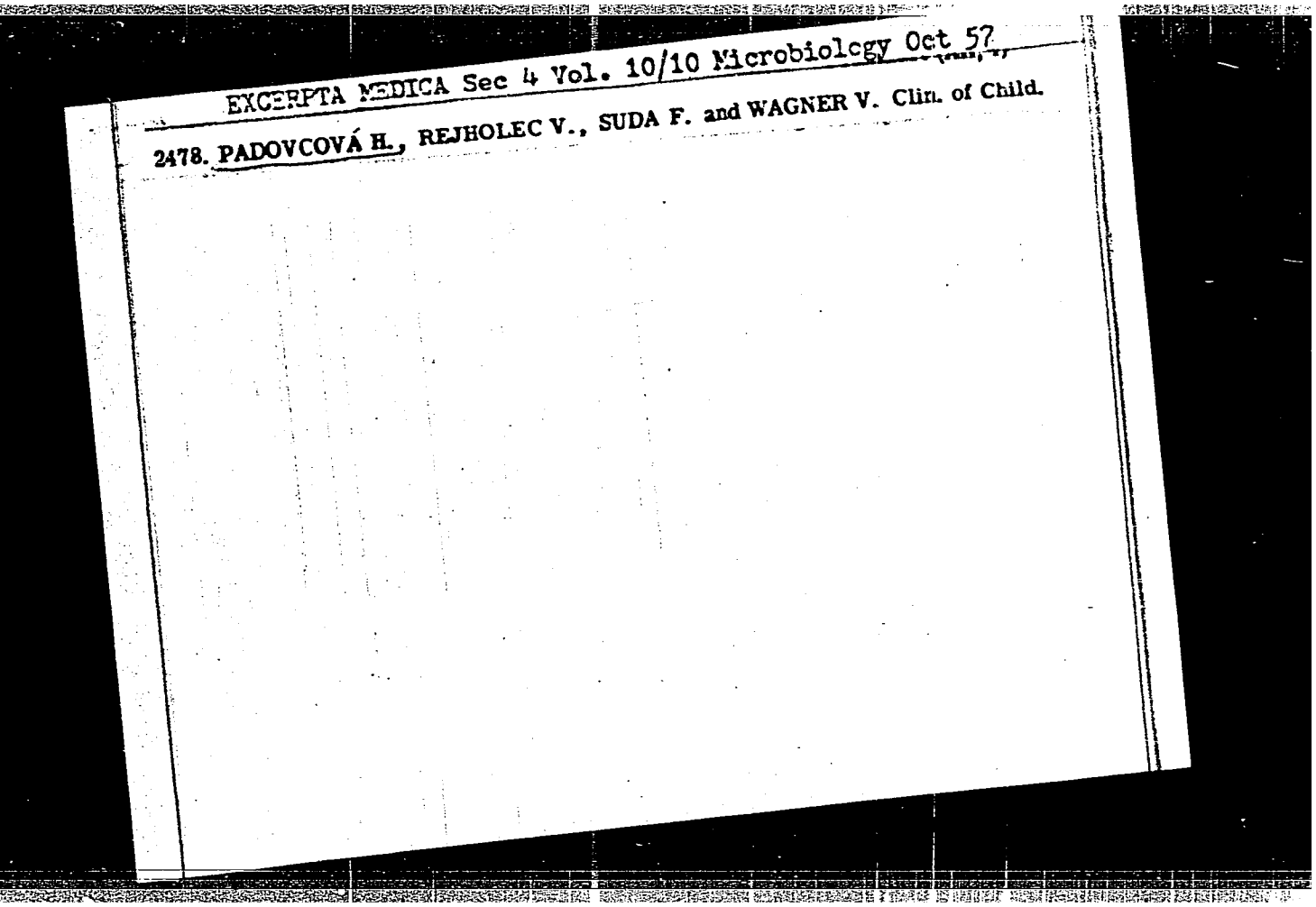
1. Z II detske kliniky Karlovy university v Praze. Prednosta: prof. dr. Josef Houstek

(PNEUMONIA, complications
rheum. in inf. & child, in Czech., statist.)
(RHEUMATISM, complications
pneumonia in inf. & child. in Czech., statist.)

JAKUBCOVA, I., Doc.Dr. ; PADOVCOVA, MUDr; SUMBERA, J., MUDr; SYROVATKA, A., MUDr

Heart diseases in children. Cesk.pediat. 10 no.3:200-206 Apr 55.

1. Z I. detske kliniky v Bratislave, II. detske kliniky v Praze, I. detske kliniky v Brne a ministerstva zdravotnictvi.
(HEART DISEASE, in infant and child)



EXCERPTA MEDICA Sec 4 Vol. 10/10 Microbiology Oct 57

2478. PADOVCOVÁ H., REJHOLEC V., SUDA F. and WAGNER V. Clin. of Child.

2478

Dis., Res. Inst. of Rheum. Dis., Prague; Child. Hosp. of Heart Dis., Franzensbad; Inst. of Med. Microbiol. and Immunol., Pilsen. *Immunological reactivity in rheumatic fever. Response of agglutinins and incomplete antibodies to a single antigenic impulse in ten-year-old children ANN. PAEDIAT. (Basel) 1956, 187/4 (351-359) Graphs 4

Forty-one convalescent rheumatic children and 50 control children were immunized with a single dose of Brucella antigen. An extensive local erythema and oedema was was seen in one of the rheumatic patients. Blood samples were collected from the rheumatic subjects on the 7th, 14th, 20th and 34th days following the injection for agglutinin titres and incomplete antibody titres. Blood samples were taken from 25 of the controls one week after the injection and from the other 25 controls, 2 weeks after the injection. Agglutination titres showed no significant difference at the end of one week but at the end of 2 weeks, only 12% of the control group showed a rise of titre while 97.5% of the rheumatics had a rise. 60% of the controls and 92.9% of the rheumatics showed a rise of incomplete antibodies at the end of one week while 100% of both groups had a rise at 2 weeks, at which time the absolute values were also higher. The titres from the rheumatic group were statistically higher than the control group. These immunological responses are discussed in relation to the patients' age and with reference to the role of hypersensitivity in the aetiological mechanism of rheumatic fever.

Stoeckle - Galveston, Tex. (XK,7,4,18)

KAFKA, V.; KUDRNOVA, L.; PADOVCOVA, H.

Selection of surgical technics for congenital cyanotic heart diseases: data on 100 operations in children. Rozhl. chir. 38 no.6:429-437 June 59

1. Klinika pediatricke chirurgie KU, prednosta doc. V. Kafka II. chirurgicka klinika KU, prednosta akademik J. Divis II. detska klinika KU, prednosta prof. J. Houlzek IV. detska klinika KU, prednosta prof. F. Blazek.
(HEART DEFECTS, CONGENITAL, surg.)

BERGMANN, K.; SPACEK, B.; PADOVCOVA, H.

First experiences with surgery of mitral stenosis in children and adolescents. Cas.lek.cesk. no.13:383-389. '60.

1. Vyzkumny ustav chorob obehu krevniho Praha-Krc, reditel prof. Dr. Sc. Klement Weber - Vyzkumny ustav klinicke a experimentalni chirurgie Praha-Krc, reditel prof.dr. Bohumil Spacek - II. detska klinika Praha, prednosta prof. dr. Josef Houstek.
(MITRAL STENOSIS surg.)

SAMANEK, M.; PADOVCOVA, H.

Effect of respiration on the blood pressure in the pulmonary bed. Cesk. pediat. 18 no.10:909-914 O '63.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi KU v Praze, vedouci prof. dr. M. Houstek, DrSc.
(HEART DEFECTS, CONGENITAL) (BLOOD PRESSURE)
(RESPIRATION) (PULMONARY STENOSIS)
(HEART CATHETERIZATION) (PULMONARY FIBROSIS)
(FISTULA, ARTERIOVENOUS) (PULMONARY CIRCULATION)

PADOVCOVA, H. 2

CZECHOSLOVAKIA

PADOVCOVA, H., Docent MD; SRAMEK, J., MD; SRBOVA, D., MD.

1. Second Childrens Clinic of the Faculty of Pediatrics of Charles University (II. detska klinika fakulty detskeho lekarstvi KU), Prague; 2. Institute of Epidemiology and Microbiology (Ustav epidemiologie a mikrobiologie), Prague; 3. Children's Ward KUNZ of the Middle Bohemian Region (Detske oddeleni KUNZ - Stredocesky kraj), Prague (for Srbova) (for all)

Prague, Prakticky lekar, No 8, 1963, pp 286-289

"Importance of Correct Diagnosis of Rheumatic Fever."

VORISKOVA, M.; PADOVCOVA, H.

Multiple stenosis of the peripheral branches of the lungs with pulmonary hypertension. Cesk. pediat. 17 no.12:1091-1096 D '62.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi Karlovy university v Praze, vedouci katedry prof. dr. J. Houstek.
(HYPERTENSION PULMONARY) (PULMONARY STENOSIS)
(ANGIOCARDIOGRAPHY)

PADOVCOVA, H.

Diagnosis of congenital cardiac defects associated with stenosis of the pulmonary artery. Examination and therapeutic results in Fallots' tetralogy. Rev. Czech. med. 7 no.3:161-170 '61.

1. Paediatric Faculty, Charles University, Prague. Second Paediatric Clinic, Director: Prof. J. Houstek, Dr. Sc.

(TETRALOGY OF FALLOT diagnosis)

BOR, I.; PADOVCOVA-LEDEREROVA, H.

General review of congenital cardiac malformations in the II Children's Clinic of prof. Brdlik. Pediat. listy 6 no.1:19-23 Jan-Feb 51. (CIML 20:7)

1. Of the Second Children's Clinic of Charles University in Prague (Head--Prof. Jiri Brdlik, M.D.).

PADOVEC,J.; SCHONFELD,V.

On the relation of endometriosis and inflammation of the internal genitalia. Cesk. gynek. 29 no.3:232-234 Ap'64

1. Gyn.-por.klin.lek.fak.hyg.KU v Praze; prednosta: doc.dr. J.Padovec.

MUSIL, Y. [Musil, J.]; KAFKA, V.; GAYEK, A. [Hajek, A.]; NOVOTNY, A.; PADOVETS, Y. [Padovec, J.]; PAVLOVSKA, Y. [Pavlovska, J.]

Study of the effectiveness of various doses of 6-azauridine in malignant tumors of female genitalia. Vop. onk. 10 no.3:62-66 '64. (MIRA 17:8)

1. Biokhimicheskoye otdeleniye fakul'tetskoy bol'nitsy, Praga, 10 (zav. - Y. Opplt [J. Oplt]) i akushersko-ginekologicheskoy kliniki gigiyenicheskogo meditsinskogo fakul'teta Karlova universiteta, Praga, 10 (zav. - dotsent I. Padovets [Padovec]).

NOVOTNY,A.; DVORAK,V.; PADOVEC,J.; SCHREIBER,B.

Prevention of thromboembolism in gynecology. Cas.lek.cesk. 103 no.8:199-205 21 F'64

1. Porodnocko-gynekologicka klinika lekarske fakulty hygienicke KU v Praze (prednosta: doc.dr. J.Padovec) a II. interni klinika lekarske fakulty hygienicke KU v Praze (prednosta: prof.dr. J.Syllaba).

*

KNOBLOCH, V.; HEMALOVA, Z.; TOSOVSKA, Z.; PADOVEC, J.

Fate of the remaining ovary after hysterectomy. Cesk. gynek. 29 no.5:337-341 Je'64

1. Gyn.-por. klin. lek. fakulty hyg. KU [Karlovy university] v Praze; prednosta: doc. dr. J.Padovec, DrSc.

PETER, R.;CERNOCH, A.;CHMELIK, V.;PADOVEC, J.;SEBEK, V.;SNAID, V.;VACHA, K.

Therapy of cervical changes as a method for the prevention of malignant degeneration. Cesk. gyn. 24[38] no.7:527-530 S '59.
(CERVIX UTERI neopl.)

PADOVEC, J.; LINTNER, L.

Complex therapy of cervical and vaginal parts of the uterus in a university hospital, Prague 12. Cas. lek. cesk. 98 no.8:243-245 20 Feb 59.

1. Por. gyn. klinika LHF v Praze 12, prednosta doc. dr. J. Padovec. Oddeleni pro lecbu zarenim, fakultni nemocnice v Praze 12, prednosta prim. dr. M. Ungar. J. P., Praha 12, Srobarova 50.
(UTERUS NEOPLASMS, therapy,
complex ther., hosp. statist. (Cz))

PADOVEC, J.; STEMBERA, Z.K.; HODR, J.; KOUTSKY, J.

Fatal hemorrhage during the course of labor. Cesk. gyn. 28 no.1/2: 25-31 F '63.

1. Gyn.-;or klin. lek fak. hyg. KU v Praze, prednosta doc. dr. J.Padovec Ustav pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta.
(LABOR) (UTERINE HEMORRHAGE) (UTERINE RUPTURE)
(PLACENTA PRAEVIA) (PLACENTA ACCRETA) (AFIBRINOGENEMIA)
(PREGNANCY COMPLICATIONS)

VOJTA, M., doc.; PADOVEC, J., doc.; SNAJD, V., prof.; TRNKA, V., doc., CSc.; VACHA, K., doc., DrSc.,; VENTA, J., prof.

Detection, dispensary services and therapeutic principles in precancerous changes of the endometrium. Cesk. gynek. 27 no.3:189-196 Ap '62.

1. Ustav pro peci o matku a dite, Praha, reditel doc. MUDr. M. Vojta - Gyn. por. klin. lek. fak. hyg. KU, Praha, prednosta doc. MUDr. J. Padovec - I gyn. por. klin. KU, Praha, prednosta prof. MUDr. K. Klaus, DrSc. - Gyn. por. klin. fak. det. lek. KU, Praha, prednosta prof. MUDr. R. Peter. DrSc. - Gyn. por. klin. lek. fak., Hradec Kralove, prednosta prof. MUDr. J. Pazourek, DrSc. - Onkol. labor. fak. vseob. lek. KU, Praha, prednosta prof. MUDr. J. Venta.

(UTERUS NEOPLASMS)

KAFKA, V.; MUSIL, J.; NOVOTNY, A.; PADOVEC, J.; SORM, F.

Chemotherapy with 6-azauracil in gynaecology. Acta univ. carol. [med.] 7 no.5:617-633 '61.

1. Klinika chorob zenskych a porodnictvi lekarske fakulty hygienicke University Karlovy v Praze, vedouci doc. MUDr. J. Padovec Ustav organicke chemie a biochemie CSAV, prednosta akademik F. Sorm Biochemicke oddeleni fakultni nemocnice v Praze 10, primar MUDr. RNDr. J. Oppit.
(GENITALIA FEMALE neoplasms) (URACIL antagonists)
(ANTINEOPLASTIC AGENTS ther)

PADOVEC, J., doc.; KOUTSKY, J.; TACOVSKA, Z., C.Sc.

Prolonged labor and cesarean section. Cesk.gyn.25[39] no.6: 440-444 Jl'60.

1. Gyn.por. klinika LFH KU v Praze 12, prednosta doc.dr.J.Padovec.
(LABOR compl)
(CESAREAN SECTION)

PADOVEC, Jaroslav; ZALOUDEK, Miloslav

Evaluation of conservative and active methods of surgery adnexitis. Cesk. gyn. 21 no.4:217-223 June 56.

1. Por gyn. kl. F. N. Praha 12, prednosta doc. Dr. J. Padovec.
(ADNEXITIS, surgery,
conservative & radical technics (Cz))

CIZKOVA-PISAROVICOVA, Jirina; PADOVEC, Jaroslav; SKAMENOVA, Bedriska; STOLZ, Josef

Fetal development in a hypothyroid mother. Cas.lek.cesk 100 no.24/25: 751-754 23 My '61.

1. Detska klinika LFH KU v Praze, prednosta prof. Dr. Sc. MUDr. J. Cizkova-Pisarovicova. Gynekologicka klinika LFH KU v Praze, prednosta doc. dr. J. Padovec. II. interni klinika LFH KU v Praze, prednosta prof. Dr. Sc. MUDr. Jiri Syllaba. Ustav pataologicke anatomie LFH KU v Praze, prednosta doc. dr. Josef Stolz.

(HYPOTHYROIDISM in pregn) (PREGNANCY compl)
ABNORMALITIES etiol)

PADOVEC, Jaroslav; ZALOUDEK, Miloslav

Personal modified repair of rectocele and endocele with prolapse of uterus. Cas. lek. cesk. 95 no.44-45:1236-1238 9 Nov 56.

1. Gynekologickoporodnicka Klinika LHF v Praze XII (predn. doc. Dr. J. Padovec).

(UTERUS, dis.
prolapse with rectocele, surg., modified technic (Cz))
(HERNIA,
rectum, with prolapse of uterus, surg., modified technic (Cz))
(RECTUM, dis.
hernia, with prolapse of uterus, surg., modified technic (Cz))

PADOVEC, Jaroslav, Doc. dr.

Anatomy of the female urethra and pathogenesis of urinary incontinence. Cesk. gyn. 24[38] no.5:325-330 June 59.

1. Gyn. por. klinika lek. fak. hyg. KU Praha.
(URINATION DISORDERS, etiol. & pathogen.
incontinence in women caused by urethral disord. (Cz))
(URETHRA, dis.
causing urinary incontinence in women (Cz))

PADOVEC, Jaroslav

Isolated deviation of the uterine cervix in a secundipara as a serious obstruction in labor. Cesk. gyn. 24[38] no.8:602-604 O '59.

1. Por.-gyn. klinika Lek. Fak. Hyg. v Praze 12, prednosta doc. dr. J. Padovec.

(DYSTOCIA etiol.)
(CERVIX UTERI, abnorm.)

KAFKA, V. (Praga, 2-ya Sallovskaya, 10, Chekhoslovakiya); MUSIL, M. (Praga, Chekhoslovakiya); NOVOTNYY, A. [Novotny, A.] (Praga, Chekhoslovakiya); PADOVED, I. [Padoved, J.] (Praga, Chekhoslovakiya); PIKHA, Z. [Picha, Z.] (Praga, Chekhoslovakiya); SHORM, F. [Sorm, F.] (Praga, Chekhoslovakiya)

Treatment of malignant neoplasms in female sex organs by means of 6-azauracil. Vop onk. 8 no. 10:11-14 '62. (MIRA 17:7)

PADOVTSOVA, G.; GORAK, B.; BOR, I.; BRDLIK, professor, zaveduyushchiy,

Angiocardiography in congenital anomalies of the heart shape. Vop.pediat. 21 no.2:35-47 Mr-Ap '53. (MLRA 6:6)

1. Vtoraya detskaya klinika Prazhskogo universiteta.
(Diagnosis, Radioscopic) (Heart--Diagnosis) (Heart--Abnormities and deformities)

C. A.
1951

(7)

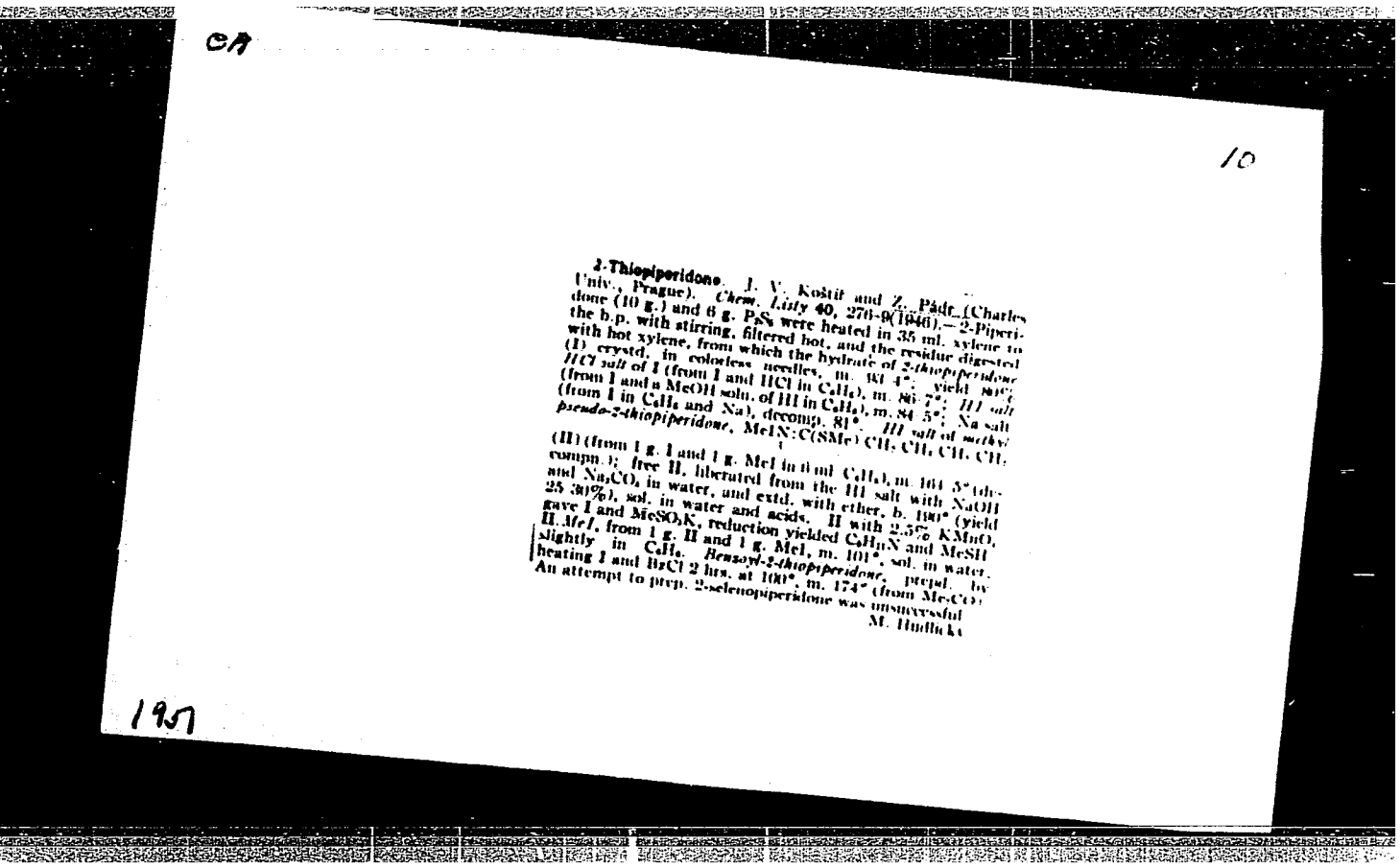
Microchemical determination of nitrogen by the Dumas method as modified by Unterzaucher. A. Dirscherl, W. Padowetz, and H. Wagner (Univ. Vienna). *Mikrochemie ver. Mikrochim. Acta* **38**, 271–2(1951); cf. Unterzaucher, *C.A.* **44**, 5157*h*; **45**, 5066*d*.—Two changes in the procedure are recommended. An app. for mixing O with the CO_2 is shown in which the $O:CO_2$ mixt. can be varied at will by merely changing the level of the H_2O_2 used. Hopcalite is necessary when the reduced Cu spiral is in the front of the combustion train. W. T. Hall

cA

7

Titrimetric microdetermination of sulfur in organic materials containing nitrogen. Wolfgang Padowetz (Univ. Vienna). *Mikrochemie ver. Mikrochim. Acta* 35/36, 648–51 (1951).—Burn the sample contg. about 6 mg. of S in a stream of O and pass the combustion products through 3% H_2O_2. Transfer the resulting soln. contg. H_2SO_4 to a porcelain disk, heat to boiling, and add 2 ml. of 0.05 *N* $BaCl_2$ soln., measuring this accurately. Evap. to dryness, moisten the residue with 1 ml. of water, add 1 ml. of 2 *N* HCl, and evap. to dryness again on the steam bath. Repeat this treatment 3 times. The addn. of 2 ml. of water and evapg. serves to remove all free HCl if the process is repeated. Because of the small vol. of liquid, this does not take long. Then add K_2SO_4 to ppt. the Ba^{++} ions and titrate the Cl^- corresponding to the excess $BaCl_2$ used with $AgNO_3$ in the presence of dichlorfluorescein as indicator. 10 references. W. T. H.

1951



CA

10

2-Thiopiperidone. J. V. Košťíř and Z. Pádr (Charles Univ., Prague). *Chem. Listy* **40**, 276-9(1946).—2-Piperidone (10 g.) and 6 g. P_2S_5 were heated in 35 ml. xylene to the b.p. with stirring, filtered hot, and the residue digested with hot xylene, from which the hydrate of *2-thiopiperidone* (I) crystd. in colorless needles, m. 83.4°; yield 80%. *HCl salt* of I (from I and HCl in C_6H_6), m. 86.7°; *HI salt* (from I and a MeOH soln. of HI in C_6H_6), m. 84.5°; *Na salt* (from I in C_6H_6 and Na), decomp. 81°. *HI salt of methyl pseudo-2-thiopiperidone*, $MeIN{:}C(SMe)CH_2CH_2CH_2CH_2$ (II) (from 1 g. I and 1 g. MeI in 6 ml C_6H_6), m. 161.5° (decompn.); free II, liberated from the HI salt with NaOH and Na_2CO_3 in water, and extd. with ether, b. 100° (yield 25.3%), sol. in water and acids. II with 2.5% KMnO, gave I and $MeSO_3K$, reduction yielded $C_5H_{11}N$ and MeSH. II.*MeI*, from 1 g. II and 1 g. MeI, m. 101°, sol. in water, slightly in C_6H_6. *Benzoyl-2-thiopiperidone*, prepd. by heating I and BzCl 2 hrs. at 100°, m. 174° (from MeCO). An attempt to prep. 2-selenopiperidone was unsuccessful.

M. Hudlický

1951

CA

10

ε-Thiocaprolactam. J. V. Koštíř and Z. Pádr (Charles Univ., Prague). *Chem. Listy* 40, 280–1(1946).—ε-Caprolactam (5 g.) was refluxed with P_2S_5 in 20 g. xylene 20 min., and the mixt. filtered hot; crystals of *ε-thiocaprolactam* (I) sepd.; an addnl. amt. was obtained by ligroine pptn. [total yield, 72%, m. 100–1° (from xylene)]; HCl salt (from I and HCl in $CHCl_3$-ether), unstable when exposed to air. The Na and K salts of I were prepd. from I and the metals in C_6H_6. The attempt to prep. selenocaprolactam failed.
M. Hudlický

1951

BERAN, M.; KOSTIR, J.V.; PADR, Z.

Artificial iodization of proteins; preparation of iodized casein. Cas.cesk.lek.Ved.priloha 63 no.9-12:136-138 Dec 1950. (CLML 20:9)

1. Of the Institute of Organic Chemistry of Charles University, Prague.
2. Of the Research and Control Institute, United Pharmaceutical Works, Prague.

PADR, Z.

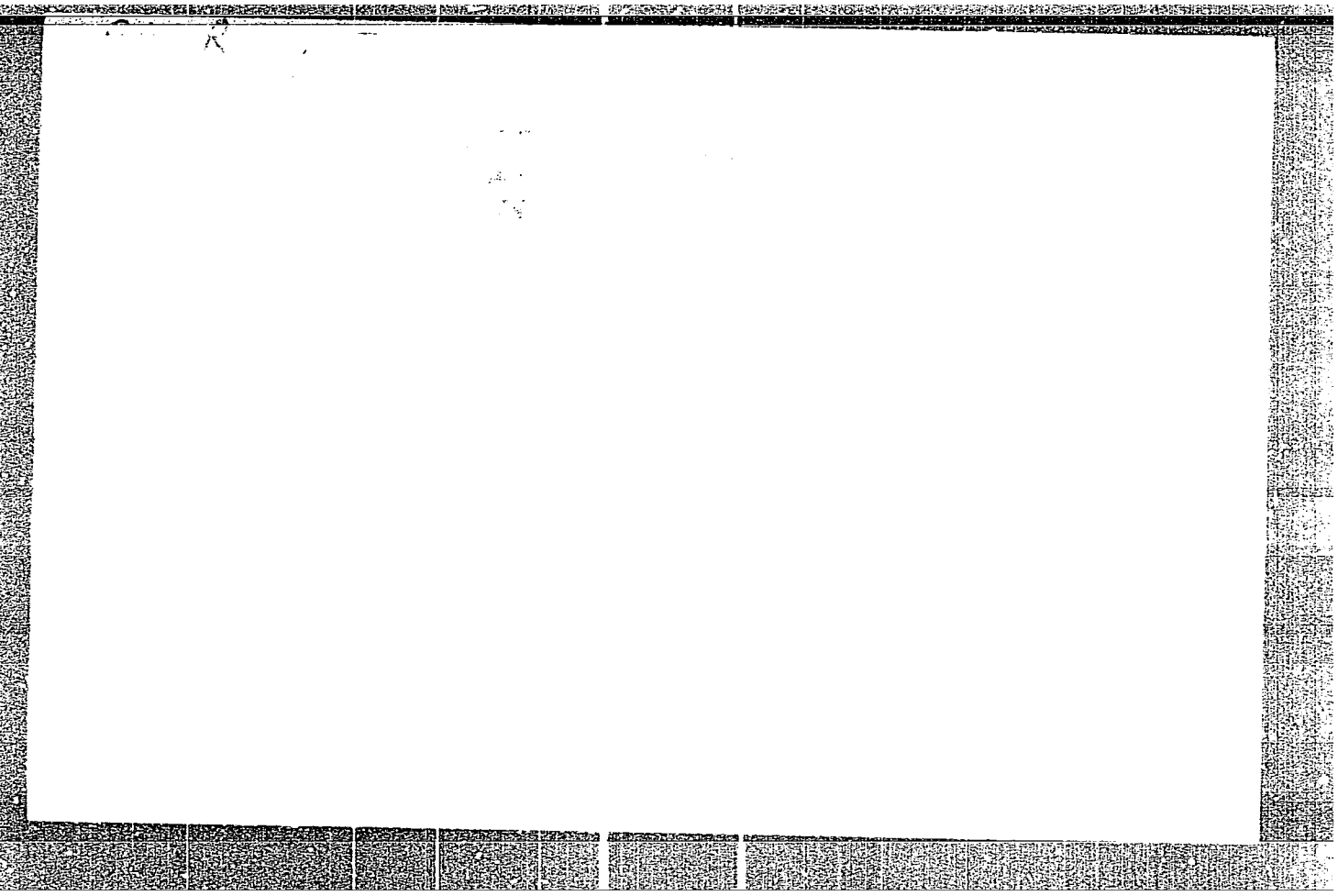
KOSTIR, J.; PADR, Z.

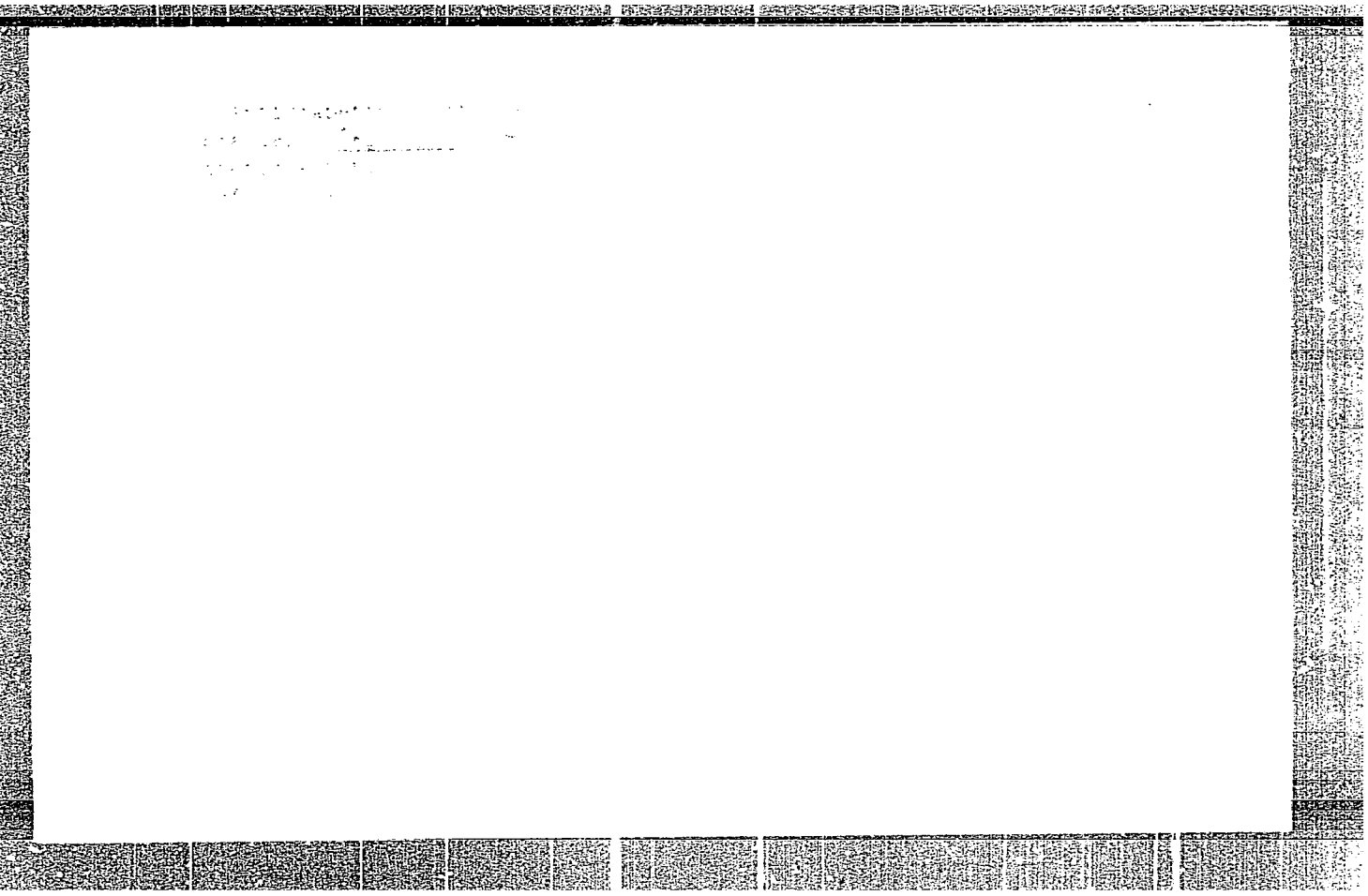
Veratrum alkaloids. Cesk. farm. 2 no.12:418-422 Dec 1953. (CIML 25:5)

PADR, Z.

ATP-SPOFA. Cesk. farm. 4 no.5:269-271 June 55.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.
(ADENLYPYROPHOSPHATE
new Czech. prod.)





PADR, Z.

Tetrazolium salts.

p. 414 (Chemie, Vol. 9, no. 3, June 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

PADR,Z.

"The structure of insulin.

p. 717 (Chemie, Vol. 9, no. 5, Nov. 1957)

Monthly Index of East European Accessions (EEAI) LC,Vol. 7, No. 6, June 1958

853. The determination of ascorbic acid with tetrazolium salts. Z. Padre, M. Smid and V. Sicho (Forschungsinstitut Pharm. und Biochemie, Technische Hochschule, Prague). *Naturwissenschaften*, 1955, **42** (8), 210–211.—The mixture to be analysed is run in n-butanol, acetic acid and water (4:1:5) in an atmosphere of N to produce circular chromatograms. Ascorbic acid becomes immediately visible at room temperature on being sprayed with alkaline tetrazolium salts, whereas reducing sugars do not react until the paper is heated in the drying cabinet. The method is sensitive to 15 μg of ascorbic acid. For quantitative work elution of the spots is recommended (no working details are given).

E. KAWERAU

PADR ZDENEK

PAIER, Zdenek; SMID, Milos; SIBLIKOVA-ZBUDOVSKA, Oksana

Determination of reducing corticoids in adrenal extracts. Cesk. farm. 4 no.2:60-62 Mar 55.

1. Z vyskumneho ustavu pro farmacii a biochemii, Praha.
(ADRENAL CORTEX, hormones
determ., paper chromatography)
(CHROMATOGRAPHY
paper, determ., of adrenal cortex hormones)

PADR, ZDENEK,

PADR, Zdenek; KAKAC, Bohumil

Stability of the sodium salt of adenosinetriphosphoric acid. Cesk. farm. 4 no.2:83-84 Mar 55.

1. Z vyskumneho ustavu pro farmacii a biochemii, Praha.

(ADENYLPYROPHOSPHATE, derivarives
adenosinetriphosphoric acid, sodium slat stability, paper chromatography)
(CHROMATOGRAPHY
paper, sodium salt stability of adenosinetriphosphoric acid)

PADR, Zdenek

Depot forms of insulin. Cesk. farm. 4 no.5:255-258 June 55.

1. Z Vyzkumneho ustavu pro farmacii a biochemii, Praha.
(INSULIN
depot insulin)

PADR, Zdenek; UHBANKOVA, Jana; JEHLICKA, Stanislav

Paper chromatography of insulin. Cesk.farm. 4 no.6:311-313 Jl '55.

1. Z Vyzkumneho ustavu pro farmacii a biochemii v Praze.
(INSULIN, determination,
chromatography)
(CHROMATOGRAPHY,
of insulin)

ZDENEK, PADR

Category: Czechoslovakia/Analytical Chemistry - Analysis of organic substances. G-3

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31064

Author : Smid Milos, Kakac Bohumil, Padr Zdenek
Inst : not given
Title : Tetrazolium Salts. I. Determination of 2-Methyl-1,4-Naphthoquinone.

Orig Pub: Ceskosl. farmac., 1956, 5, No 4, 212-215

Abstract: Cleavage products formed on action of alkali on 2-methyl-1,4-naphthoquinone (I) reduce 2,3,5-triphenyl-tetrazolium chloride (II) or 3,3'-dianisol-bis-4,4'-(3,5-diphenyl)-tetrazolium chloride (III) to colored formazanes. Intensity of the coloration of the formazanes that are formed depends on the concentration of I in the initial solution. This is utilized for a photometric determination of I in the injection solutions of K-Spofa vitamin (IV). The plot the calibration curves, there are consecutively poured together alcohol solutions of I (10 ml, 1-10 γ/ml),

Card : 1/2

PADRIK, E.A.

Paper pulp purification by vortex traps. Bum.prom. 29 no.4:22-23 Ap '54. (MLRA 7:6)

1. Inzhener-tekhnolog Tallinskoy bumazhnoy fabriki.
(Papermaking machinery)

PAIRIK, E.A., inzhener-tekhnolog.

Producing a double-layer paper on a single-screen paper-making machine. Bum.prom. 29 no.6:25-26 Je '54. (MLRA 7:8)

1. Tallinskaya bumazhnaya fabrika.
(Papermaking machinery)

PAIRIK, E.A., inzhener-tekhnolog.

Difficulties encountered in the sizing of paper and ways of eliminating them. Bum.prom. 29 no.7:17-18 Jl '54. (MLRA 7:8)

1. Tallinskaya bumazhnaya fabrika Ministerstva promyshlennosti prodovol'stvennykh tovarov SSSR.
(Sizing(Paper))

PADRIK, E.A., inzhener-tekhnolog

Quality of newsprint. Bum.prom. 30 no.5:22-23 My '55.
(MLRA 8:8)

1. Tallinskaya bumazhnaya fabrika Ministerstva promyshlennosti prodovol'stvennykh tovarov SSSR.
(Newsprint)

ESTONIA/Chemical Technology - Cellulose and Its Derivatives. H.
Paper.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 56100

Author : Padrik, [illegible]
Inst : [illegible]
Title : Utilization of Ground-Wood and Semi-Cellulose in the Paper Industry.

Orig Pub : Tehnika ja tootmine, 1957, 12, 22-24

Abstract : No abstract.

Card 1/1

PADROVA, L.

"Diseases of the Urinary Tract in the Anamnesis of the Hypertension." p. 1261 (CASOPIS LEKARU CESKYCH, Vol. 92, No. 46, Nov. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

YAKOBSON, M.O., doktor tekhn. nauk, prof.; PADRUL', Z.Ya., inzh., retsenzent; CHIKHACHEV, S.A., dots., red.; BAZHENOV, D.V., inzh., red. izd-va; UVAROVA, A.F., tekhn. red.

[Technological processes of machining in automated production] Tekhnologiia mekhanicheskoi obrabotki v avtomatizirovannom proizvodstve; spravochnoe posobie. Moskva, Mashgiz, 1962. 432 p. (MIRA 15:10)
(Automation) (Metal cutting)

ETTEL', Abram Vladimirovich; GUSACHENKO, K.I., inzh., retsenzent; SLUZHEVSKIY, TS.Ya., inzh., retsenzent; SHAMRO, G.A., inzh., retsenzent; RUVINSKIY, G.M., inzh., retsenzent; PADRUL', Z.Ya., inzh., red.; FAL'KO, O.S., red. izd-va; EL'KIND, V.D., tekhn. red.

[Technology of agricultural machinery manufacturing] Tekhnologiia sel'skokhoziaistvennogo mashinostroeniia. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 287 p. (MIRA 14:6)

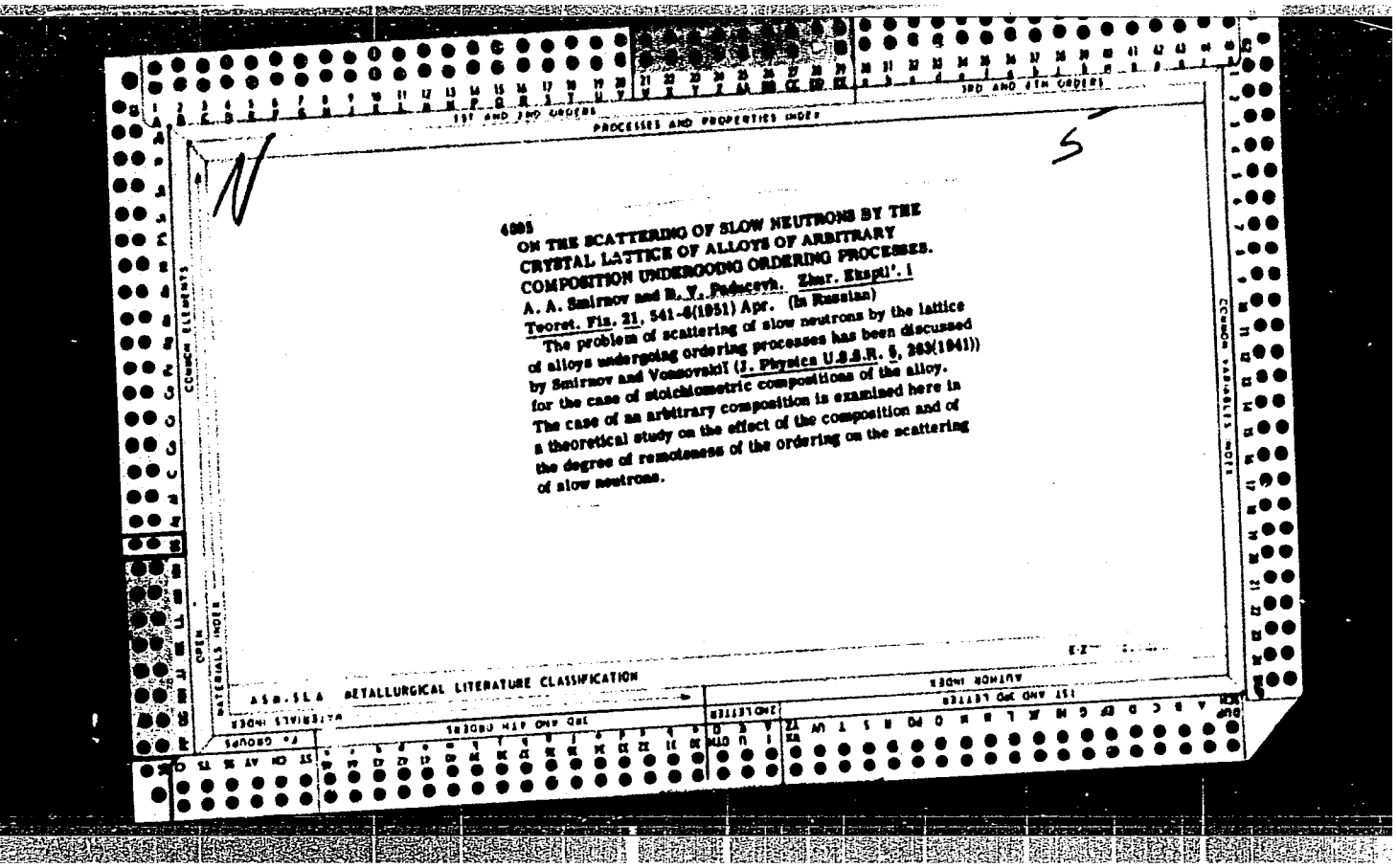
1. Rostovskiy-na-Donu tekhnikum sel'skokhozyaystvennogo mashinostroyeniya (for Gusachenko, Sluzhevskiy, Shamro). 2. Kirovogradskiy tekhnikum sel'skokhozyaystvennogo mashinostroyeniya (for Padrul')

(Agricultural machinery industry)

PADRUL', Z.Ya.; KOSILOV, V.V.

Automatic machines and automatic lines for assembling tractors and agricultural machinery. Mashinostroitel' no.3:25-27 Mr '62. (MIRA 15:3)

(Assembly-line methods) (Automation)



4805
ON THE SCATTERING OF SLOW NEUTRONS BY THE CRYSTAL LATTICE OF ALLOYS OF ARBITRARY COMPOSITION UNDERGOING ORDERING PROCESSES.
A. A. Smirnov and M. V. Peducevh. Zhur. Eksptl'. i Teoret. Fiz. 21, 541-6(1951) Apr. (In Russian)
The problem of scattering of slow neutrons by the lattice of alloys undergoing ordering processes has been discussed by Smirnov and Vonsovskiĭ (J. Physics U.S.S.R. 5, 283(1941)) for the case of stoichiometric compositions of the alloy. The case of an arbitrary composition is examined here in a theoretical study on the effect of the composition and of the degree of remoteness of the ordering on the scattering of slow neutrons.

PADUCHA, A.

"The 3d Exhibition of Czechoslovak Engineering."

p. 177 (Zemedelske Stroje) Vol. 2, no. 8, Aug. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

S.A. PADUCHEV, B.V.

Sect. A

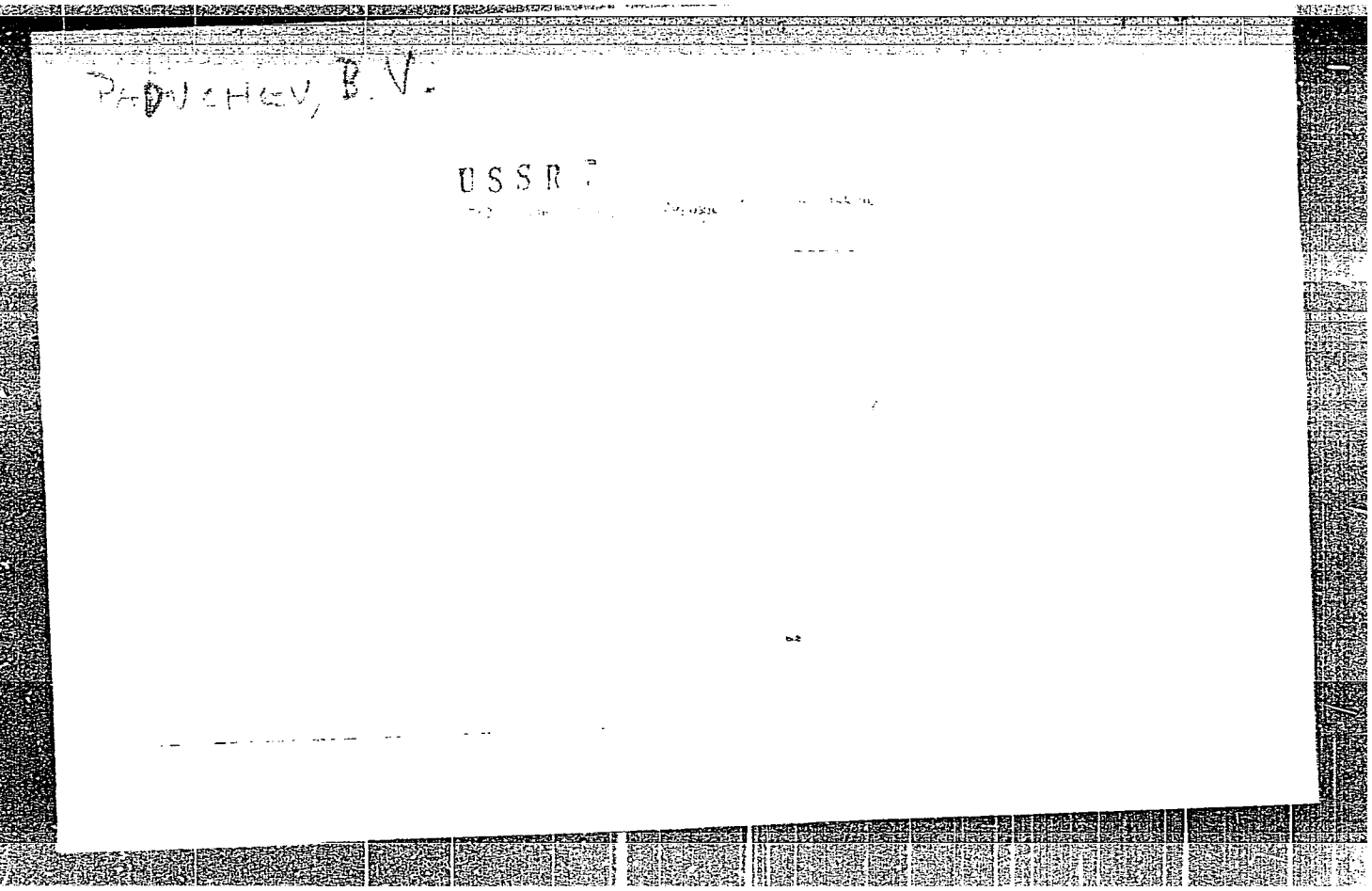
Neutrons · Measure

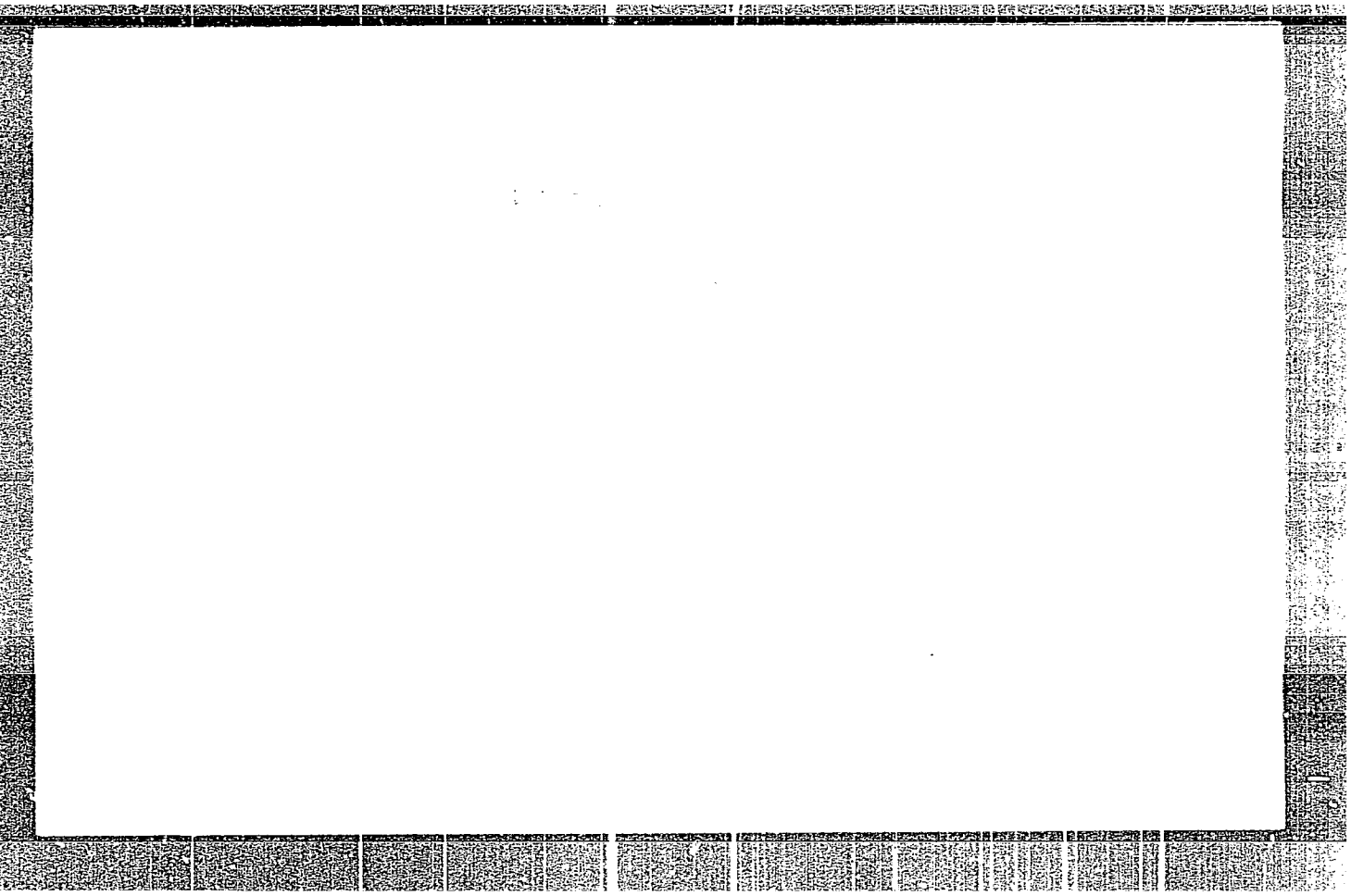
539.185 : 548.74

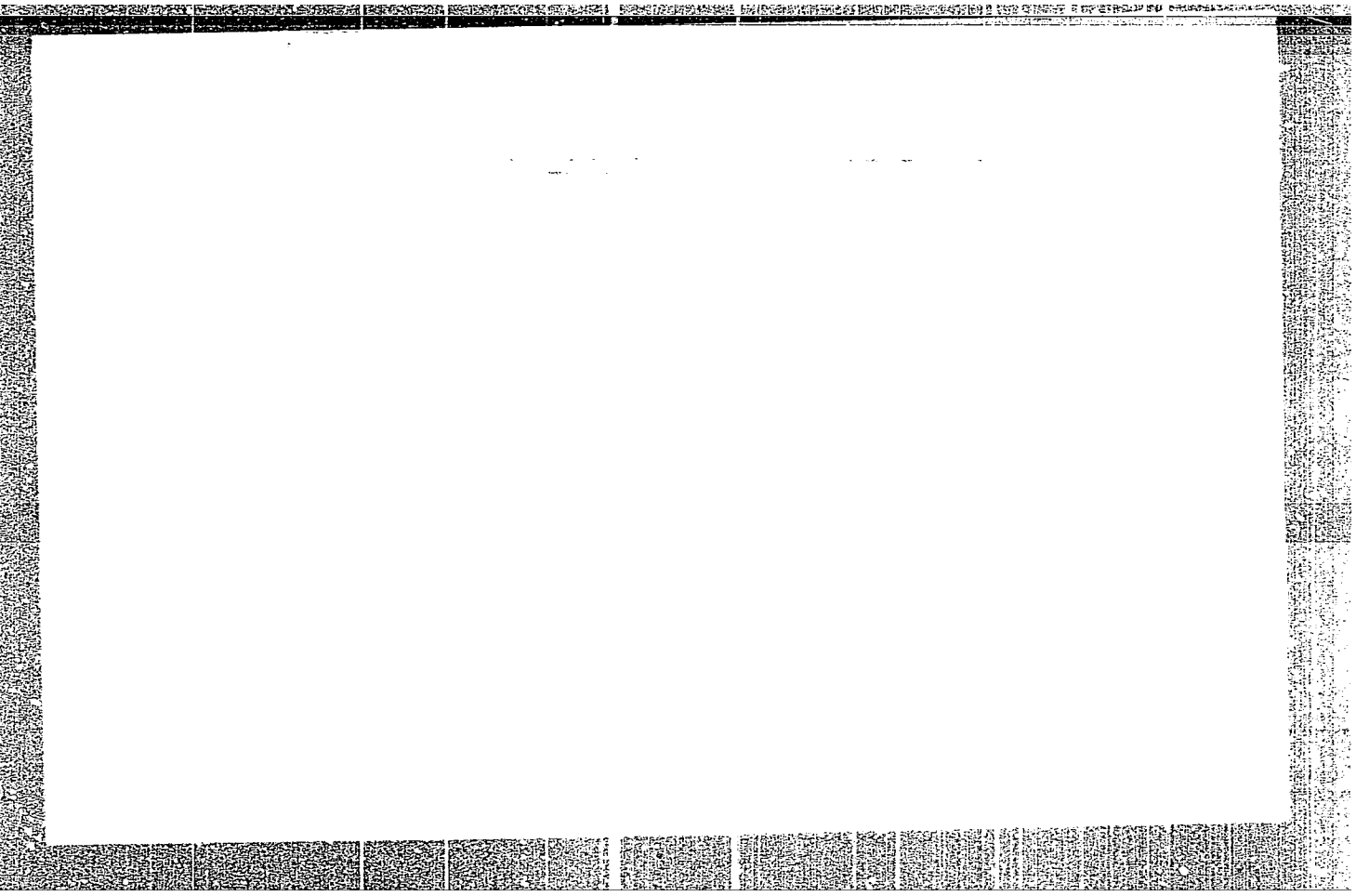
1225. On the scattering of slow neutrons by a crystal lattice of ordered alloys of arbitrary composition. A. A. SMIRNOV AND B. V. PADUCHEV. *Zh. Eksper. Teor. Fiz.* 21, 541-6 (No. 4, 1951) *In Russian.*

The influence of composition and degree of long-range order is investigated and extended to the case of non-stoichiometric composition. Types of cubic lattices discussed are: body centred, face centred, and of NaCl type. The scattering leads to a dependance of the background intensity as in the case of, e.g., residual electrical resistance in ordered alloys.

J. JACOBS







PADUCHEV, V. V.

Battelle Technical Review
July, 1954
Metals-Extraction and Refining

9950*. Interaction of Metallic Copper With Copper Mattes. (Russian.) N. P. Diev, V. V. Paduchev, and A. F. Plotnikova. *Zhurnal Prikladnoi Khimii*, v. 27, no. 2, Feb. 1954, p. 127-135.

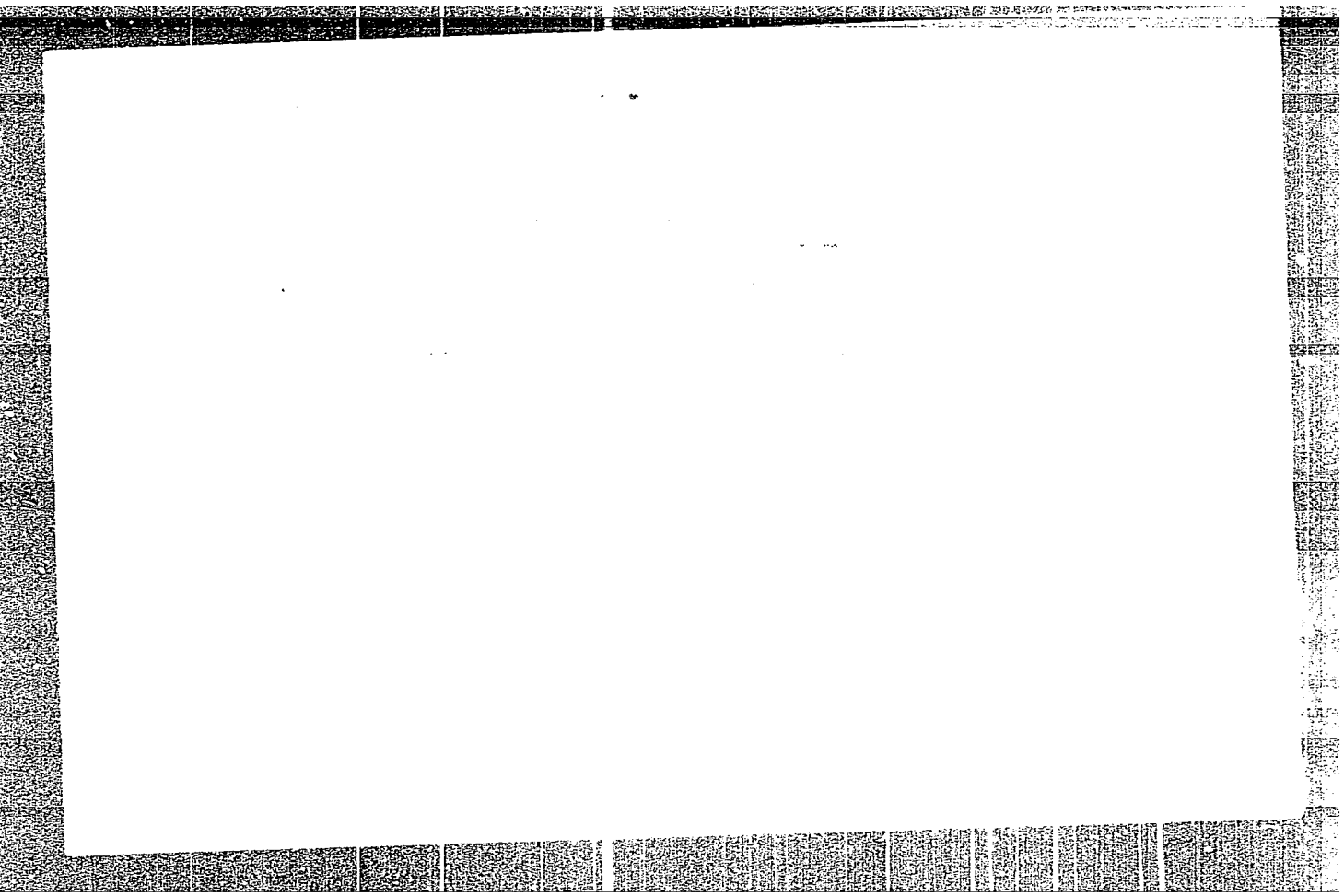
Results, method of investigation, and dissolution mechanism at 1,000 and 1,200 C. Tables, graphs. 3 ref.

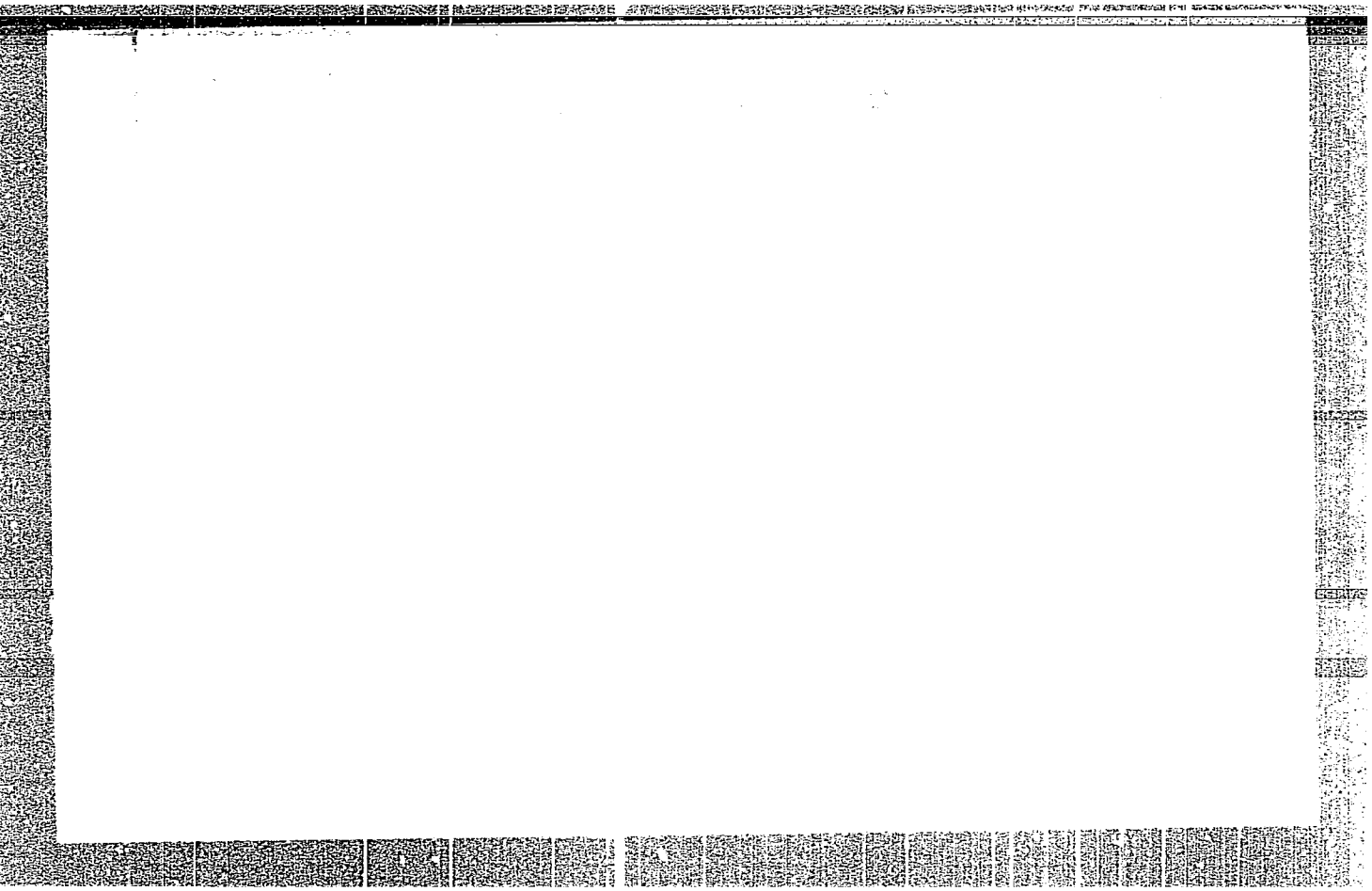
URAL AFFIL., AS USSR

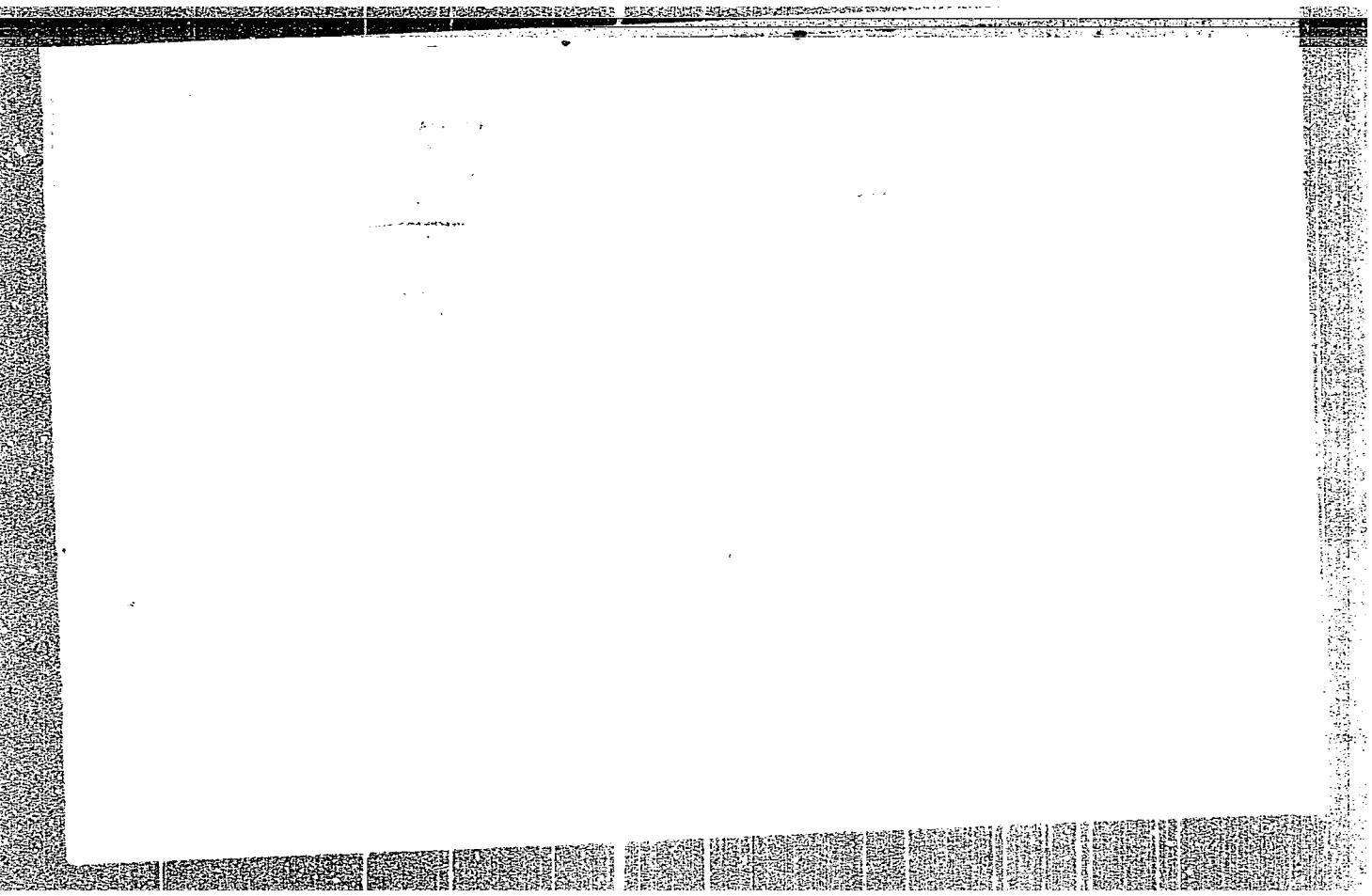
PADUCHEV, V.V.

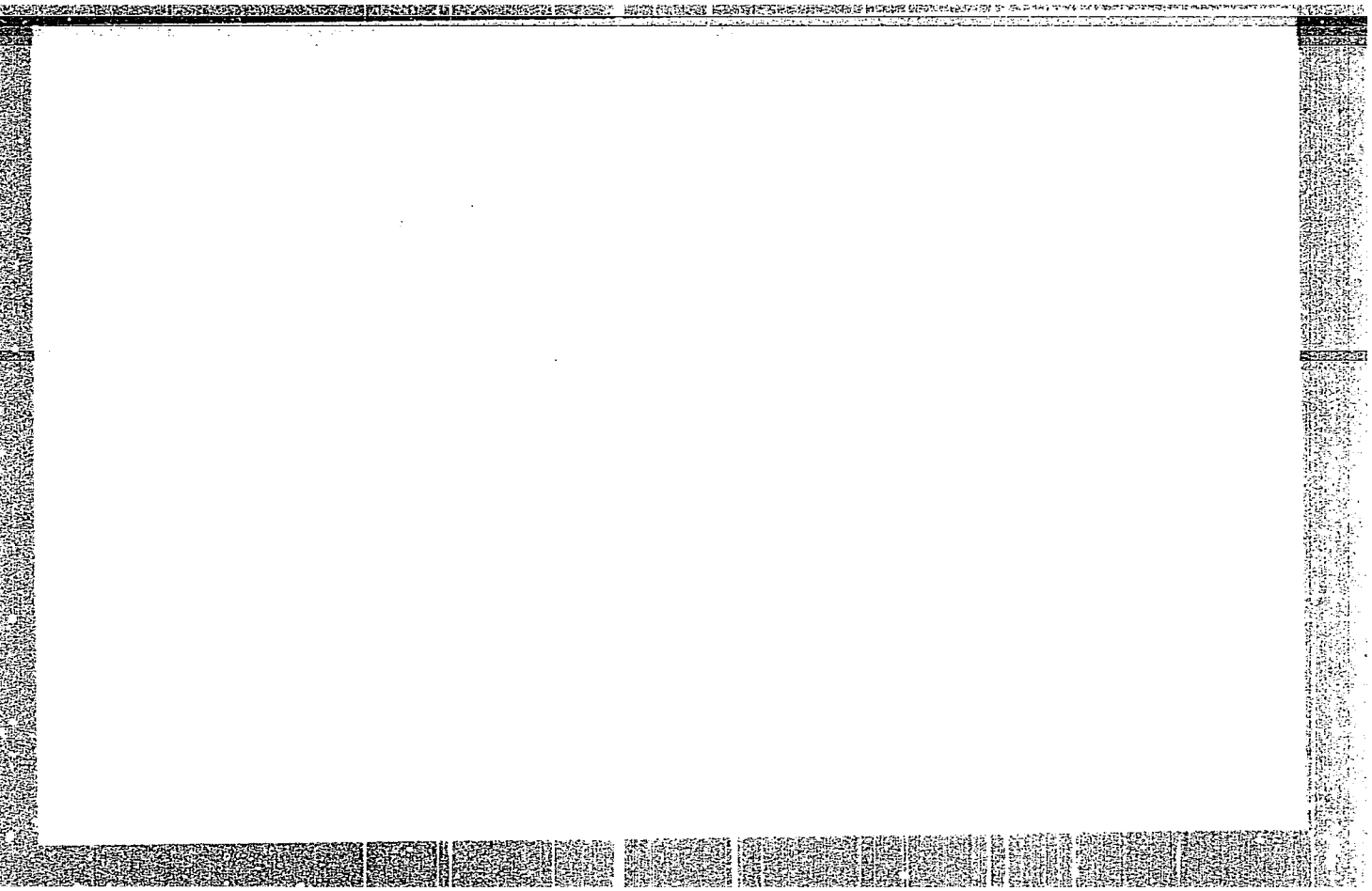
Sulfation of manganese dioxide with ferrous sulfate and with pyrite. N. P. Grov, M. I. Kozlinov, V. V. Paduchev, and G. Ya. Slonidze. *J. Appl. Chem. U.S.S.R.* 27, 335-42(1954)(Engl. translation).—See *C.A.* 48, 14134i.

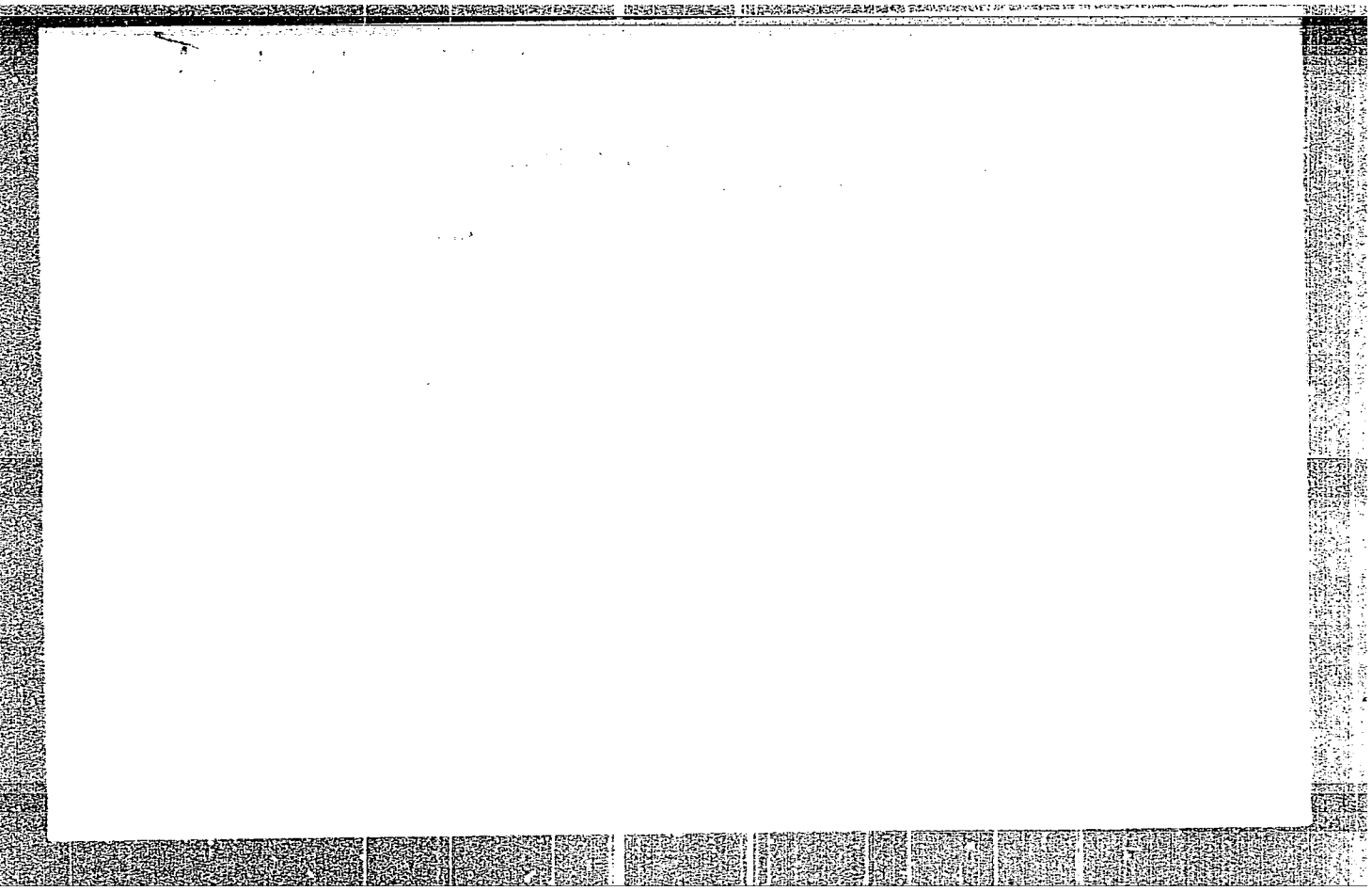
H. L. H.











PADUCHEV, V V

PHASE I BOOK EXPLOITATION 985

Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Institut metallurgii

Sbornik rabot laboratorii metallurgii tyazhelykh tsvetnykh metallov (Collection of Studies in the Metallurgy of Heavy Nonferrous Metals), Sverdlovsk, 1957. 168 p. (Series: Its Trudy, vyp. 1) 2,850 copies printed.

Resp. Eds.: Babadzhan, A.A., Candidate of Technical Sciences; and Kusakin, P. S., Candidate of Technical Sciences; Ed.: Demin, I.M.; Tech. Ed.: Izmodenova, L.A.

PURPOSE: This book is intended for scientific and industrial personnel interested in recent advances in the theory and practice of metallurgical processes.

COVERAGE: The articles in this book are grouped into five sections. Part I presents results of experimental studies in the theory and practice of the oxidation of sulfides, metals, and alloys. Part II contains data on the thermodynamics of metallurgical processes. The articles in Part III are devoted to individual problems in copper and nickel metallurgy. Part IV is concerned with certain aspects of the electrometallurgy of aluminum and

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Collection of Studies in the (Cont.)

magnesium. Experimental data on methods of determining selenium and tellurium are given in Part V.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

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PADUCHEV, V. V.

Iron Ore Deposits (Cont.) 692
of the Tagil-Kushva Industrial Area, Sverdlovsk, 1957, 188pp (papers presented during '53 visiting Session, Academic Council,* Diyev, N. P., Professor-Doctor (deceased); Paduchev, V. V., and Perestoronin, A. A., Scientific Workers of the Metallurgical Institute of the Ural Branch of the Academy of Sciences, USSR. Metallurgical Treatment of Cobalt Sulphide Concentrates Extraction from Iron Ores of the Urals 140

Several methods are considered for the extration of cobalt sulphides from cobalt-carrying iron ores found in the Urals. Most of these methods involve roasting with subsequent leaching of the sulphides. There are 20 references, 18 Soviet, 2 English.

Khokhlov, D. G., Senior Scientific Worker of the Ural Institute of Ferrous Metallurgy. Improvement of Physical and Chemical Properties of Agglomerate Made from Vysokaya Gora Magnetite Concentrates 153

The author stresses the importance of agglomerate preparation in boosting iron production. The grinding of ore for the preparation of a suitable agglomerate has been the subject of studies at the Ural Institute of Ferrous Metallurgy. The amount of coke used in melting is said to depend on the proper grind of the ore. The author offers various suggestions for the improvement of the Vysokaya Gora agglomerates. There are 3 Soviet references.

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* Mining and Geological Inst, Ural Branch, Acad. Sci. USSR, and Affiliated Bodies.

Paduchev, V.V.

137-58-5-9297

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 73 (USSR)

AUTHORS: Diyev, N.P., Paduchev, V.V., Toporova, V.V.

TITLE: Employment of Steam in the Process of Bessemerizing Copper Mattes With Oxygen (Primeneniye vodyanogo para pri bessemerovanii mednykh shteynov na kislorode)

PERIODICAL: Izv. vost. fil. AN SSSR, 1957, Nr 6, pp 79-84

ABSTRACT: In order to control the heat balance in the Bessemer process employing O_2, it is suggested that the process be conducted with steam-oxygen blowing. Equilibrium compositions of gases were determined, by means of thermodynamic analysis and from experimental data, for the following reactions:

$$3FeS + 3H_2O + 1.5SiO_2 = 1.5Fe_2SiO_4 + 3H_2S;$$
$$FeS + 3H_2O + 0.5SiO_2 = 0.5Fe_2SiO_4 + SO_2 + 3H_2.$$

The composition of the steam-oxygen mixture is calculated. It is established that up to 25-33% of the S contained in the charge may be obtained in its elemental form if the concentration of O_2 amounts to 40-45% and the temperatures are maintained within limits approximating those employed in the process with air blowing. 1. Steam--Applications 2. Mixtures--Thermodynamic properties 3. Copper--Production 2. Blast furnaces --Operation

Card 1/1 L.P.

AUTHOR: Diyev, N.P., Professor, Paduchev, V.V., and Vermenichev, S.A.

TITLE: Oxygen in Non-Ferrous Metallurgy (Kislorod v tsvetnoy metallurgii)

PERIODICAL: Priroda, 1958, Nr 2, pp 87-89 (USSR)

ABSTRACT: When normal air is used in the smelting of non-ferrous metals, the nitrogen of the air passes through the furnace and is equivalent to 624 tons nitrogen for every 1 ton nickel smelted. This vast quantity of inert gas wastes heat, lowers the temperature in the furnace and carries with it substantial quantities of valuable by-product metals and substances of the smelting process. By using air enriched with oxygen, or simply pure oxygen or ozone, this process can be greatly improved. Oxygen-enriched air has proved most suitable for oxidized nickel ores and complex sulfide ores of non-ferrous metals. The authors describe the results of using oxygen-enriched air in the smelting of nickel ores and in the copper industry. By using an air blast enriched up to 60% with oxygen, the coke consumption can be cut by 30-40% to only 17-20% of the weight of the agglomerate, the amount of furnace gases and their speed can be cut by 70% and they will contain

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3-4 times less dust. The productivity of the furnace would probably increase 1.5-2 times. In copper smelting, no fuel would need to be used in the process, heat being generated through combustion of the sulfides charge with the oxygen-enriched air, and the productivity would increase 2-3 times. By introducing steam into the furnace along with the air, an endothermic reaction would take place and pure sulfur could be produced. The results of experimental smelting in 3- and 40-ton converters using oxygen-enriched air is described. V.I. Smirnov and M.A. Abdeyev have made successful use of the fuming method using oxygen for the smelting of lead agglomerates in shaft furnaces. The authors describe the economic advantages of using oxygen in the smelting of non-ferrous metals. There is 1 table and 1 Soviet reference

ASSOCIATION: Institut metallurgii Ural'skogo filiala Akademii nauk SSSR, Sverdlovsk (Institute of Metallurgy of the Ural Branch of the Academy of Sciences of the USSR, Sverdlovsk)

 1. Metallurgy 2. Metals--Smelting 3. Oxygen--Applications

DIYEV, N.P. [deceased]; PADUCHEV, V.V.; TOPOROVA, V.V.

Interaction of iron sulfides and sulfurous anhydride. Trudy Inst. met. UFAN SSSR no.2:95-105 '58. (MIRA 12:4)
(Iron sulfides) (Sulfur dioxide)

SOV/137-59-3-5473

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 77 (USSR)

AUTHORS: Diyev, N. P., Paduchev, V. V., Vermenichev, S. A., Deyev, V. I.

TITLE: Employment of Oxygen in Nonferrous Metallurgy (Primeneniye kisloroda v tsvetnoy metallurgii)

PERIODICAL: Tr. In-ta metallurgii, Ural'skiy fil. AN SSSR, 1958, Nr 2, pp 149-168

ABSTRACT: The authors examine the feasibility of the use of O_2-enriched air in the following nonferrous metallurgy processes: For reduction shaft-smelting of Ni and Pb ores, for fuming of Zn slags, in roasting of Zn and Cu concentrates, in reverberatory smelting of Cu concentrates, and in Bessemer reduction of mattes. The authors note in this case a 30 - 40% and greater increase in the output of metallurgical production units, an increase in the amount of base metal extracted, and a decrease in construction and operating expenses. Possible changes in some technological processes and design of metallurgical production units are pointed out. For example, the application of the steam-oxygen blowing in the Bessemer reduction of Cu-matte would produce nascent sulfur but would require sealing the converter to form a

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SOV/137-59-3-5527

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 84 (USSR)

AUTHORS: Diyev, N. P., Kusakin, P. S., Paduchev, V. V., Sobolev, P. A., Perestoronin, A. A.

TITLE: Phase Content of Cobalt-nickel Mattes
(Fazovyy sostav kobal'to-nikelevykh shteynov)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1958, Nr 2, pp 181-186

ABSTRACT: The authors studied the phase content of industrial Co mattes by the following methods: 1) Mineralogical-petrographic investigations; 2) gravitational [sink-float] separation in water, heavy liquids, suspensions, etc.; 3) air-separation; 4) flotation; 5) smelting out; and 6) classification according to grain size. Conclusions: 1) Co does not form an independent phase in mattes but is distributed between the sulfide and metallic solid solutions and the double sulfide $2FeS \cdot Ni_3S_2$, isomorphically taking the place of Fe and Ni in the lattice nodes of the respective phases; 2) the composition of separate phase components in Co mattes fluctuates in the following range: Metallic phase 18-40% (by weight), sulfide phase 43-40%, eutectoid

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PADUCHEV, V.V.

DIYEV, N.P., prof.; PADUCHEV, V.V.; VERMENICHEV, S.A.

Oxygen in nonferrous metallurgy. Priroda 47 no.2:87-89 F '58.
(MIRA 11:2)

1. Institut metallurgii Ural'skogo filiala AN SSSR, Sverdlovsk.
(Nonferrous metals--Founding)
(Oxygen)

20-118-4-43/61

AUTHORS: Diyev, N. P., (Deceased), Paduchev, V. V., Toporova, V. V., Uspenskiy, N. F.

TITLE: On the Interaction of Certain Sulfides With Sulphur Dioxide and Sulfates (Vzaimodeystviye nekotorykh sul'fidov s sernistym angidridom i sul'fatami)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 4, pp. 782-784 (USSR)

ABSTRACT: The results of the investigations concerning the reaction in question with application of S^{35} are given in the present paper. The experiments have shown that the sulfur in the calcium sulfide is completely substituted by the sulfur of the sulfur anhydride. The radioactive sulfur was introduced selectively into one of the two components. The reaction was carried out at 600-1100°. In the investigation of the interaction between cobaltous sulfide and SO_2 S^{35} was introduced only into the sulfide. The experiments have shown that the velocity of the interaction is unimportant even at 800°. Therefore it was difficult to detect precisely the radioactivity originating from sulfur in the gaseous reaction products because of a considerable SO_2-dilution, if the experiment was

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vestigated in application to calcium- and cobaltous sulfate at 900°. The experimental results have shown that this reaction takes the same course in any case of placing the radioactive sulfur, and only the activity of the sulfur in the reaction products is different (misprint in the original: the small star above the S of the equation (11) is missing; the reviewer). 3 reactions (12), (13), and (14) are given for the interaction between cobaltous sulfide and cobaltous sulfate according to references 8-12. The application of S^{35} and a rational analysis of the reaction products confirmed the formation of a secondary radioactive sulfide and of the metallic cobalt. Here it turned out that the course of the reaction (13) is by 3-4 times less intensive than (12). Therefore the mechanism of the sulfide oxidation (13) (perhaps misprint for: 13? the reviewer) earlier suggested by the authors must be supplemented by widely distributed secondary acts which pass simultaneously:

$$MeS + 2\ SO_2 \longrightarrow MeS_2O_4 + S^* \quad (15)$$

$$MeS_2O_4 \longrightarrow MeSO_4 + S \quad (16)$$

DIYEV, N.P. [deceased]; MALAKHOV, A.Ye.; PADUCHEV, V.V.; TOPOROVA, Z.V.

Investigating shaft furnace smelting of Ural Mountain sulfide copper ores. Trudy Inst.met.UFAN SSSR no.3:21-35 '59.
(MIRA 13:4)

(Ural Mountains--Copper ores)
(Smelting furnaces)

DIYEV, N.P. [deceased]; PADUCHEV, V.V.; VERMENICHEV, S.A.

Reverberatory smelting with burning of pulverized copper concentrates in oxygen-enriched air. Trudy Inst.met.UFAN SSSR no.3:67-74 '59. (MIRA 13:4)
(Copper--Metallurgy)

DIYEV, N.P. [deceased]; YELISEYEV, I.S.; KOCHNEV, M.I.; PADUCHEV, V.V.; VERMENICHEV, S.A.; SARKISOV, I.I.; MAL'TSEV, B.V.; KUSAKIN, P.S.

Use of oxygen in bessemerizing copper mattes in industrial converters. Trudy Inst.met.UFAN SSSR no.3:93-101 '59. (MIRA 13:4)

(Copper--Metallurgy)
(Oxygen--Industrial applications)

PADUCHEV, V.V.

PHASE I BOOK EXPLOITATION SOV/4601

Koordinatsnoye soveshchaniye po primeneniyu kisloroda na metallurgicheskikh zavodakh Urala. Sverdlovsk, 1956

Primeneniye kisloroda na metallurgicheskikh predpriyatiyakh Urala; materialy koordinatsionnogo soveshchaniya (Use of Oxygen in Metallurgical Plants of the Urals; Materials of the Coordination Conference) Sverdlovsk, 1960. 152 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Ural'skiy filial. Institut metallurgii; Ural'skiye pravleniya nauchno-tekhnicheskikh obshchestv chernoy i tsvetnoy metallurgii.

Resp. Ed.: P.S. Kusakin, Candidate of Technical Sciences; Tech. Ed.: N.F. Seredkina.

PURPOSE: This collection of papers is intended for scientific research and technical personnel in the field of metallurgy.

COVERAGE: The use of oxygen in ferrous and nonferrous metallurgy of the Urals is discussed. Results of experimental use of oxygen in some metallurgical plants are presented. During the Conference, held December 20 and 21, 1956, the following persons (in addition to the authors) took part in the discussion: V.Ya. Miller, V.V. Mikhaylov, P.Ya. Sorokin, A.A. Parestoronin (all affiliated with the Institute of Metallurgy of the Ural Branch AS USSR), S.M. Kazachenko (Nizhne-Saldinskiy metallurgicheskiy zavod - Nizhnyaya-Salda Metallurgical Plant), M.F. Kochin (Deceased) (Ural'skiy institut chernykh metallov - Ural Institute of Ferrous Metals), M.Ye. Kislitsin (Chelyabinskiy metallurgicheskiy zavod - Chelyabinsk Metallurgical Plant), G.V. Demin (Krasnoural'skiy medeplavil'nyy zavod - Krasnoural'sk Copper Smelting Plant), V.A. Aglitskiy (Institut Unipromed' - "Unipromed'" Institute). Some of the papers are followed by references, both Soviet and non-Soviet.

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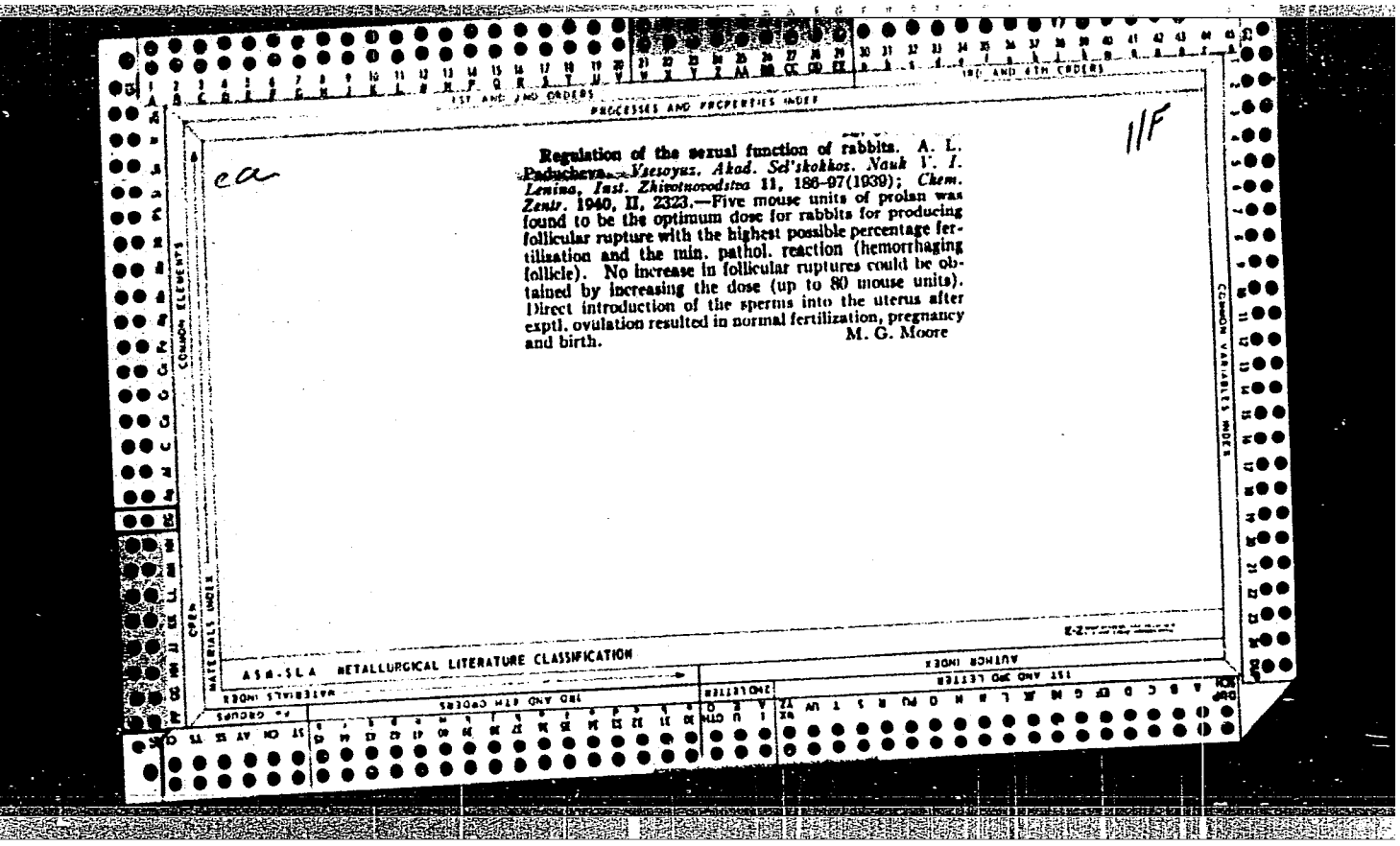
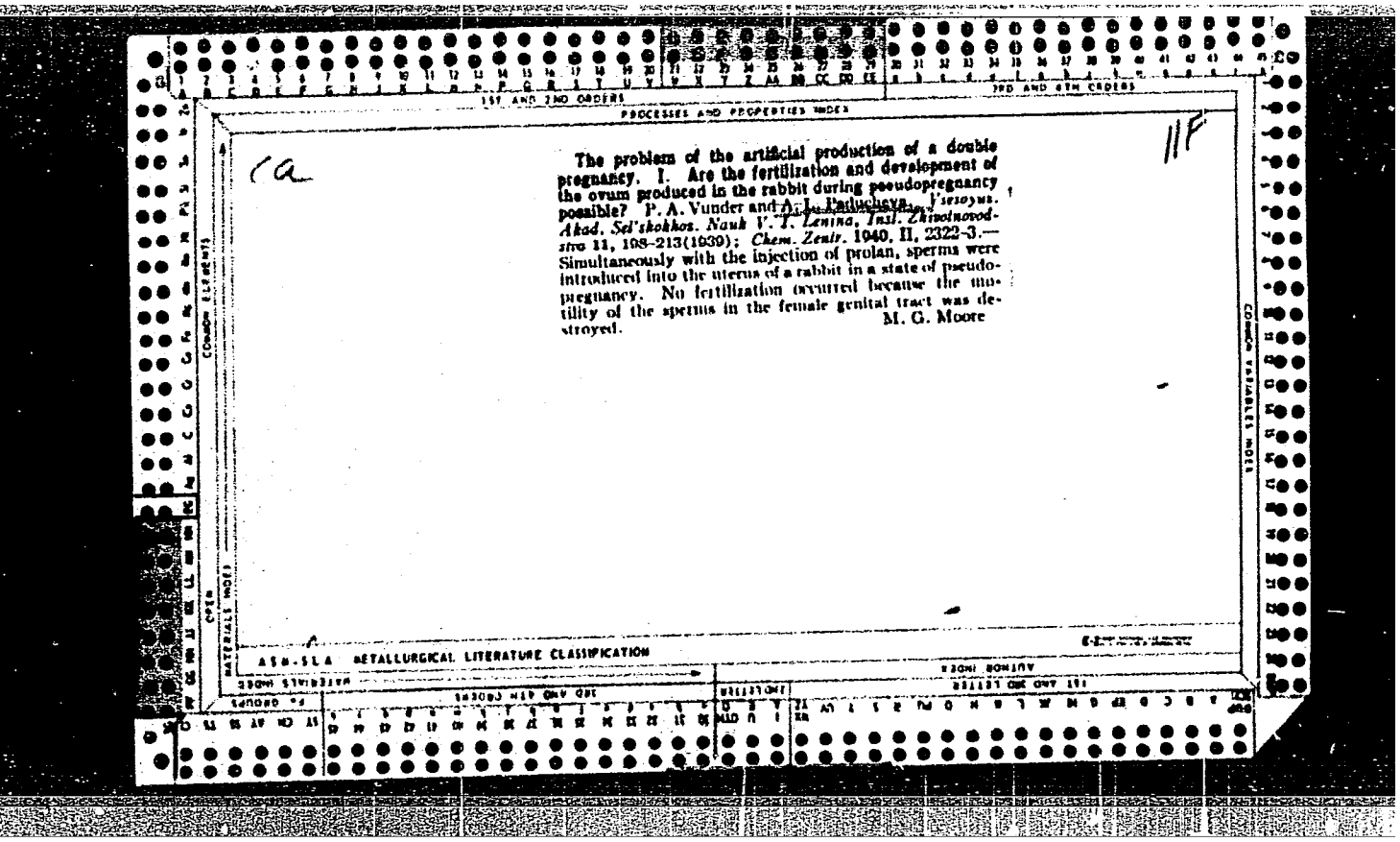


Regulation of the sexual function of rabbits. A. L. Paduchova. *Vsesoyuz. Akad. Sel'skokhoz. Nauk V. I. Lenina, Inst. Zhivotnovodstva* 11, 186–97(1939); *Chem. Zentr.* 1940, II, 2323.—Five mouse units of prolan was found to be the optimum dose for rabbits for producing follicular rupture with the highest possible percentage fertilization and the min. pathol. reaction (hemorrhaging follicle). No increase in follicular ruptures could be obtained by increasing the dose (up to 80 mouse units). Direct introduction of the sperms into the uterus after exptl. ovulation resulted in normal fertilization, pregnancy and birth.

M. G. Moore



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11F

The problem of the artificial production of a double pregnancy. I. Are the fertilization and development of the ovum produced in the rabbit during pseudopregnancy possible? P. A. Vunder and A. L. Patlucheva. *Trudy Akad. Sel'skokhoz. Nauk V. I. Lenina, Inst. Zhivotnovodstvo* 11, 198–213(1939); *Chem. Zentr.* 1940, II, 2322–3.—Simultaneously with the injection of prolan, sperms were introduced into the uterus of a rabbit in a state of pseudopregnancy. No fertilization occurred because the motility of the sperms in the female genital tract was destroyed.
M. G. Moore