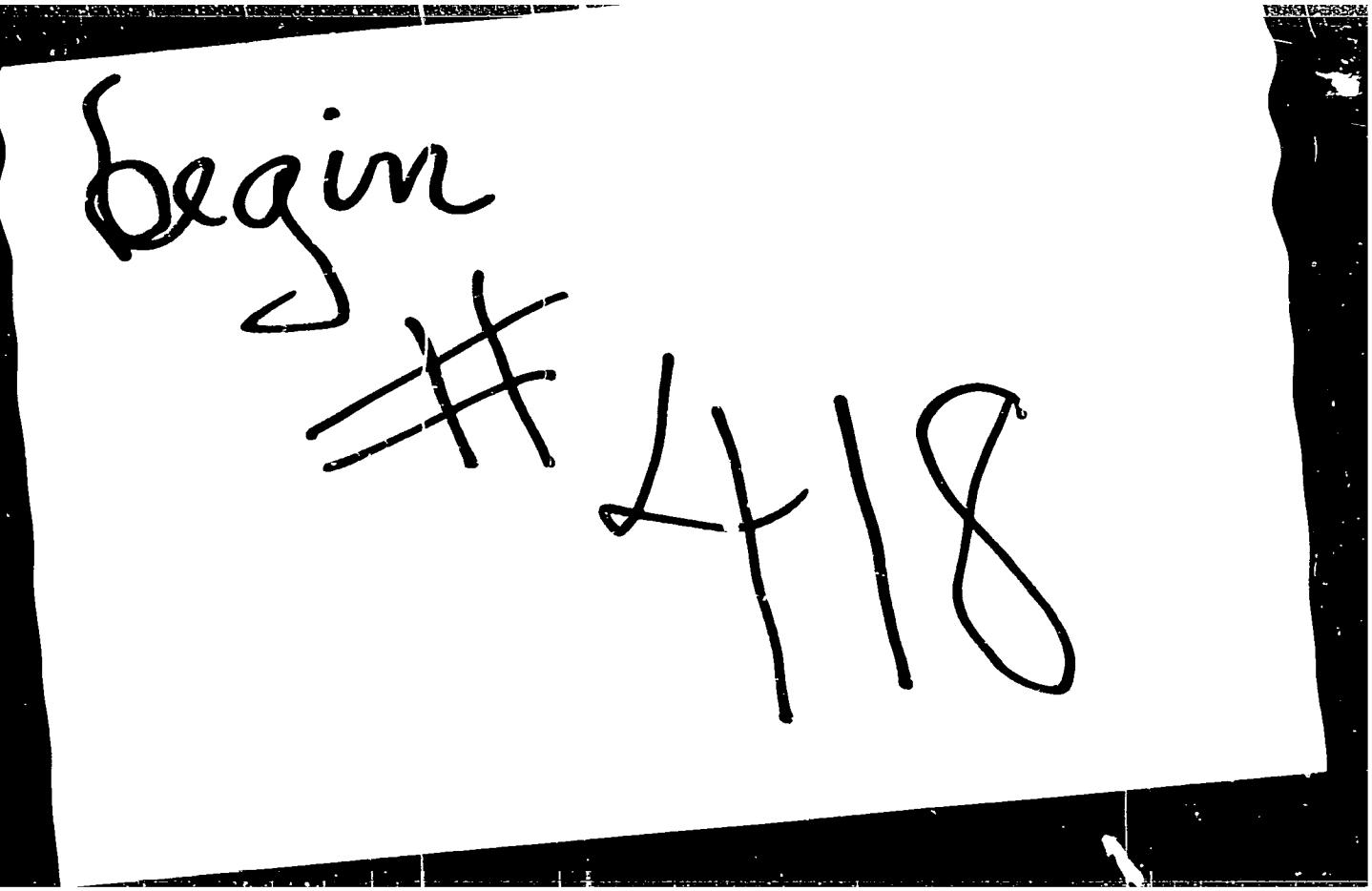


PERVOV, S.; PLEKHANOV, N.

Changing taximeters to operate according to the new tariff and the new prices. Avt.transp. 38 no.11:20-23 N '60. (MIRA 13:11)

1. Nachal'nik taksometrovoy masterskoy Upravleniya taksomotornogo transporta Mosgorispolkoma (for Pervov). 2. Nachal'nik laboratorii passazhirskikh avtomobiliey Nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for Plekhanov).
(Taxicabs)

Pervov, V.

PERVOV, V.

Fuel, lubrication and wear in powerful marine diesel engines. (MIRA 11:1)
Mor. flot 17 no.12:13-17 D '57.

1. Glavnyy spetsialist otdela Upravleniya po zakazam i nablyudeniyu za stroitel'stvom flota Ministerstva morskogo flota.
(Marine diesel engines)

IVCHENKO, V.M., inzh.; PERVOV, V.A., inzh.

Bulb-shaped stern lines on single screw cargo vessels.
Sudostroenie 26 no.6:11-12 Je '60. (MIRA 13:7)
(Hulls(Naval architecture))

PERVOV, V.A., inzh.

Making an actual sketch of a ship's outline with structural trim.
Sudostroenie 25 no.1:53-54 N '59. (MIRA 13:4)
(Ships--Measurements)

PERVOV, V.A., inzh.

Simplified method for making a drawing of a ship in accordance with theoretical principles. Sudostroenie 24 no.9:9-15 S '58. (MIRA 11:11)
(Naval architecture)

PERVOV, V. O.

3(5) PHASE I BOOK EXPLOITATION SOV/1886

Ob"yedinennaya nauchnaya sessiya po metallogenicheskim i prognoznym kartam, Alma-Ata, 1958

Materialy nauchnoy sessii po metallogenicheskim i prognoznym kartam; doklady. (Materials Presented at the Scientific Session on Metallogenetic and Postulated Ore Occurrence Maps; Reports) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 318 p. Errata slip inserted. 3,850 copies printed.

Ed.: A.S. Pogozhev; Tech. Ed.: F.F. Alferova.

Sponsoring Agencies: (1) Akademiya nauk SSSR, (2) Akademiya nauk Kazakhskoy SSR, Alma-Ata, (3) USSR. Ministerstvo geologii i okhrany nedr, (4) Kazakh SSR. Ministerstvo geologii i okhrany nedr.

PURPOSE: This book is intended for exploration geologists, mining engineers, and cartographers.

Materials Presented (Cont.) SOV/1886

COVERAGE: This collection of reports was presented at the United Scientific Session on Metallogeny and Postulated Ore Occurrence Maps convoked by the Academy of Sciences in Alma-Ata, December, 1958. The reports deal with various aspects of compiling metallogenetic and ore occurrence maps as well as the methodology and techniques of correlating geophysical exploration data. These reports deal only with non-ferrous metals. Three other reports delivered at the conference but not included in this work were read by Ye.Ye. Zakharov, N.S. Shatskiy, and Yu.K. Goretskiy. References accompany each article.

TABLE OF CONTENTS:

Materials Presented (Cont.) SOV/1886

Card 4/6

VYSOTA, Ivan Iosifovich; KORABEL'SHCHIKOV, N.I., kand. tekhn. nauk, retsenzent; LEKHANIN, V.V., prof., doktor tekhn. nauk, retsenzent; PERVOV, V.K., retsenzent; KOMOGORTSEV, P.Ya., red.; SHLEMNIKOVA, Z.V., red. izd-va; BODROVA, V.A., tekhn. red.

[Marine steam machinery] Sudovye parovye mashiny. Moskva, Izd-vo "Rechnoi transport." Pt.2. [Fundamentals of theory and maintenance] Osnovy teorii i ekspluatatsii. 1961. 280 p. (MIRA 14:11)
(Marine engines)

GITTIS, Vladimir Yul'yevich [deceased]; BONDARENKO, Vladimir Leonidovich; YEFIMOV, Teodor Petrovich; POLYAKOV, Yuriy Gavrilovich [deceased]; CHURBANOV, Boris Mikhaylovich; NEBESNOV, V.I., doktor tekhn. nauk, prof., retsenzent; PERVOV, V.M., red.

[Theoretical principles of the operation of marine diesel engines] Teoreticheskie osnovy ekspluatatsii sudovykh dizelei. Moskva, Transport, 1965. 375 p. (MIRA 18:9)

1. Glavnyy spetsialist Ministerstva morskogo flota SSSR (for Pervov).

AVER'YANOV, Aleksandr Dmitriyevich; GLOTOV, Yuriy Georgiyevich; POPOV, Serafim Konstantinovich; PERVOV, V.M., red.; MARCHUKOVA, M.G., red.izd-va; LAVRENOVA, N.B., tekhn.red.

[Use of Gants-Endrashek VIII IhR 216/310 engines by the Estonian merchant marine] Opyt ekspluatatsii dvigatelei Gants-Endrashek VIII IhR 216/310 v Estonskom parokhodstve. Moskva, Izd-vo "Morskoi transport," 1959. 43 p. (MIRA 12:12)
(Estonia--Merchant marine)
(Marine diesel engines)

TANATAR, Daniil Borisovich, doktor tekhn. nauk, prof.; PERVOV, V.M., spetsred.; KOTLYAKOVA, O.I., tekhn. red.

[Modern high-powered marine diesel engines] Sovremennye moshchnye sudovye dizeli. Leningrad, Izd-vo "Morskoi transport," 1958. 181 p. (MIRA 11:12)

(Marine diesel engines)

NEBESNOV, Viktor Ivanovich; RUBAN, Georgiy Alekseyevich; PERVOV, V.M., red.; KSENOFONTOVA, Ye.F., red. izd-va; KHLOPOVA, L.K., tekhn. red.

[Preventing the breakdown of marine shafts as a result of dangerous torsional vibrations] Preduprezhdenie polomok sudovykh valov ot opasnykh krutil'nykh kolebanii. Moskva, Izd-vo "Morskoi transport," 1962. 41 p. (MIRA 15:5)
(Shafting--Vibrations) (Vibrations (Marine engineering))

PERVOV, Yu.M., kand. tekhn. nauk

Coefficient of turbulent diffusion of combined masses. Nauch. soob. IGD 11:174-181 '61. (MIRA 16:4)

(Mine ventilation)

PERVOV, Yu.M., kand.tekhn.nauk

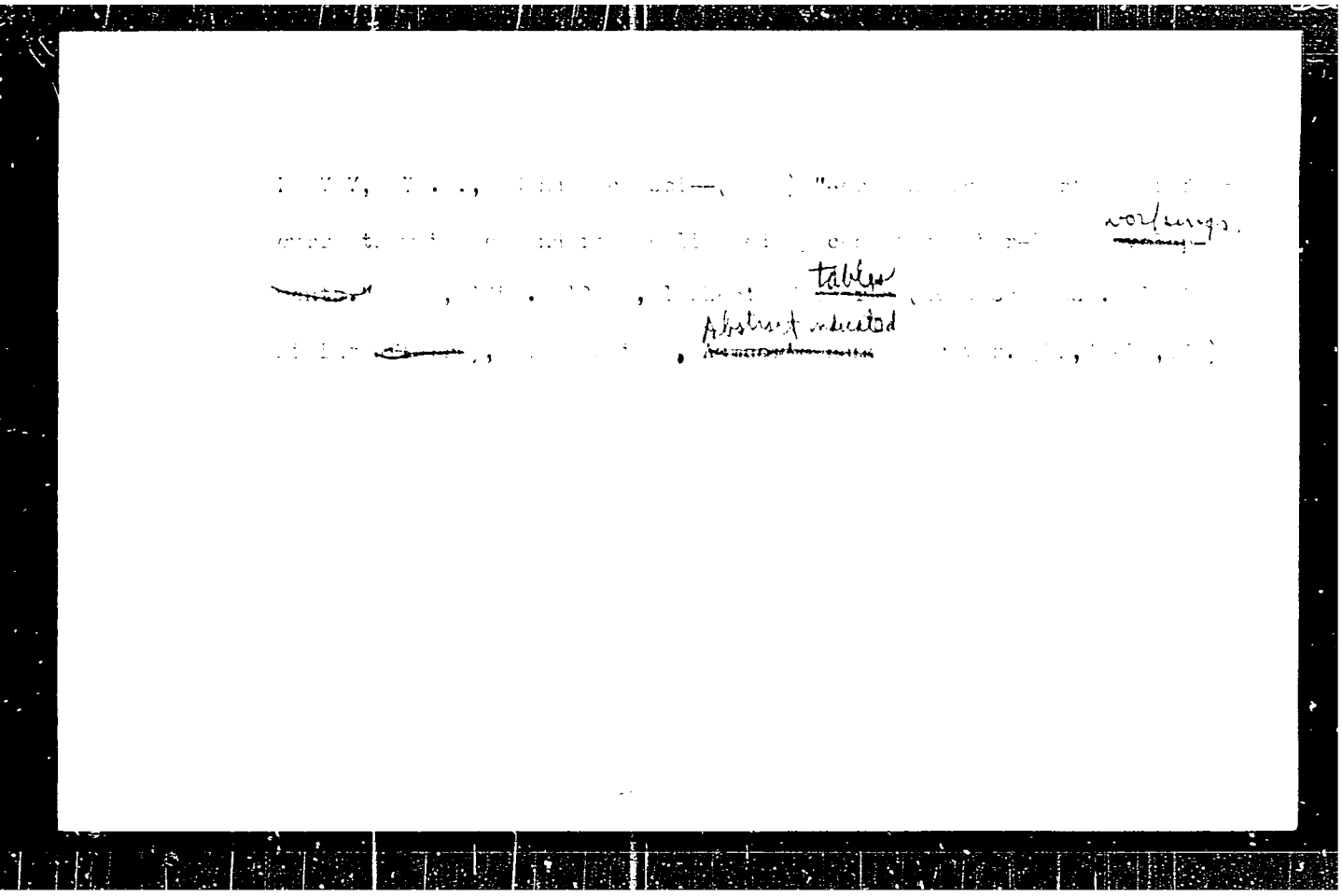
Means of preventing air heating in deep mines. Ugol' 36 no.5: 56-57 My '61. (MIRA 14:5)

1. Institut gornogo dela im. A.A.Skochinskogo.
(Mine ventilation)

PERVOV, Yu.M., kand.tekhn.nauk

Mature temperature conditions in the Yakovlevo mine. Gor.zhur. no.9:20-21 S '60. (MIRA 13:9)

1. Institut gornogo dela AN SSSR, Lyubertsy, Moskovskoy oblasti.
(Yakovlevo (Belgorod Province)--Mine ventilation)



GOLIKOV, V.Ya.; ZOL'NIKOVA, N.I.; PERVOVA, A.K.

Experience in the organization of radiation protection of medical personnel during the administration of intracavitary γ-therapy.
Sov. med. 28 no.7:138-142 Jl '64. (MIRA 18:8)

1. Iz laboratorii radiatsionnoy zashchity kafedry obshchey gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i Moskovskoy gorodskoy bol'nitsy No.40 (glavnyy vrach Ya.S.Shipotovskiy).

NUDOL'SKAYA, C.Ye. (Moskva, G-151, Mozhayskoye shosse, d.52/70, kv.34 (9 pod"-yezd); ABRAMOVA, M.M. (Moskva, D-47, ul.Gor'kogo, d.47, kv.9); PERVOVA, A.K. (Moskva, D-46, Bol.Tishinskiy per., d.12, kv.10-a)

Late sequelae of radiotherapy in cancer of the uterine cervix.
Vop.ork. 5 no.2:209-214 '59. (MIRA 12:6)

1. Iz Instituta akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR (dir. - dotsent L.G.Stepanov).

(CERVIX NEOPLASMS, ther.
radium implant & x-ray, late seq. (Rus))
(RADIUM, ther. use
cancer of cervix, with x-ray ther., late seq. (Rus))

NUDOL'SKAYA, O.Ye. (Moskva, G-151, Mozhayskoye shosse, d.52/70, kv.34
PERVOVA, A.K., ADAMENKO, M.Ya.

Immediate results of treatment by radioactive cobalt (Co^{60}) and x-rays in cancer of the uterine cervix and radiation complications [with summary in English]. Vop.onk. 4 no.4:464-468 '58 (MIRA 11:9)

1. Iz Instituta akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR (dir. - dots. L.G. Stepanov).

(CERVIX NEOPLASMS, ther.
radiocobalt & x-rays, simultaneous, immediate results & compl. (Rus))
(RADIOTHERAPY, in various dis.
cancer of cervic, immediate results & compl. of radiocobalt & x-ray ther. (Rus))

PERVOVA, A.K.

Combined application of androgens and of regular blood transfusion in surgery and radiotherapy of ovarian cancer. Akush. gin. no.6:38-44 Nov-Dec 1953. (CIML 25:5)

1. Of the Institute of Obstetrics and Gynecology (Director -- L. G. Stepanov; Scientific Supervisor -- Prof. P. A. Beloshapko), Ministry of Public Health USSR.

PERVOVA, A.K.; KOSTROMINA, K.N.

Method for the preparation of transverse sections of the pelvis for the calculation of the distribution of radiation energy in the female pelvis in radiotherapy of uterine cervix cancer. Med. rad. 9 no.3:19-24 Mr '64. (MIRA 17:12)

1. Kafedra klinicheskoy radiologii (zav. - prof. A.V.Korlova) TSentral'nogo instituta usovershenstvovaniya vrachey i radiologicheskoye otdeleniye (zav. A.K.Pervova) Gorodskoy klinicheskoy bol'nitsy No.40.

LAGUNOVA, I.G.; KOZLOVA, A.V.; PERVOVA, A.K.; RIMMAN, A.F.; DMOKHOVSKIY, V.V.; PARSHIN, I.M.

Rational system of planning a department and protection during work with closed radioactive preparations. Med.rad. 7 no.6:69-76 Je '62. (MIRA 15:8)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR i Moskovskoy gorodskoy bol'nitsy No.40.
(RADIOLOGY, MEDICAL--SAFETY MEASURES)

NUDOL'SKAYA, O.Ye., professor; PERVOVA, A.K.; ADAMENKO, M.Ya.

Therapeutic use of radioactive cobalt (Co60) in female genital cancer.
Vop. onk. 2 no.1:59-65 '56 (MIRA 9:4)

1. Iz Instituta akusherstva i ginekologii Ministerstva zdravookhraneniya SSSR (dir.-dotsent L.G. Stepanov)
(GENITALIA, FEMALE, neoplasms
ther., radioactive cobalt)
(CORALT, radioactive,
ther. of cancer of female genitalis)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

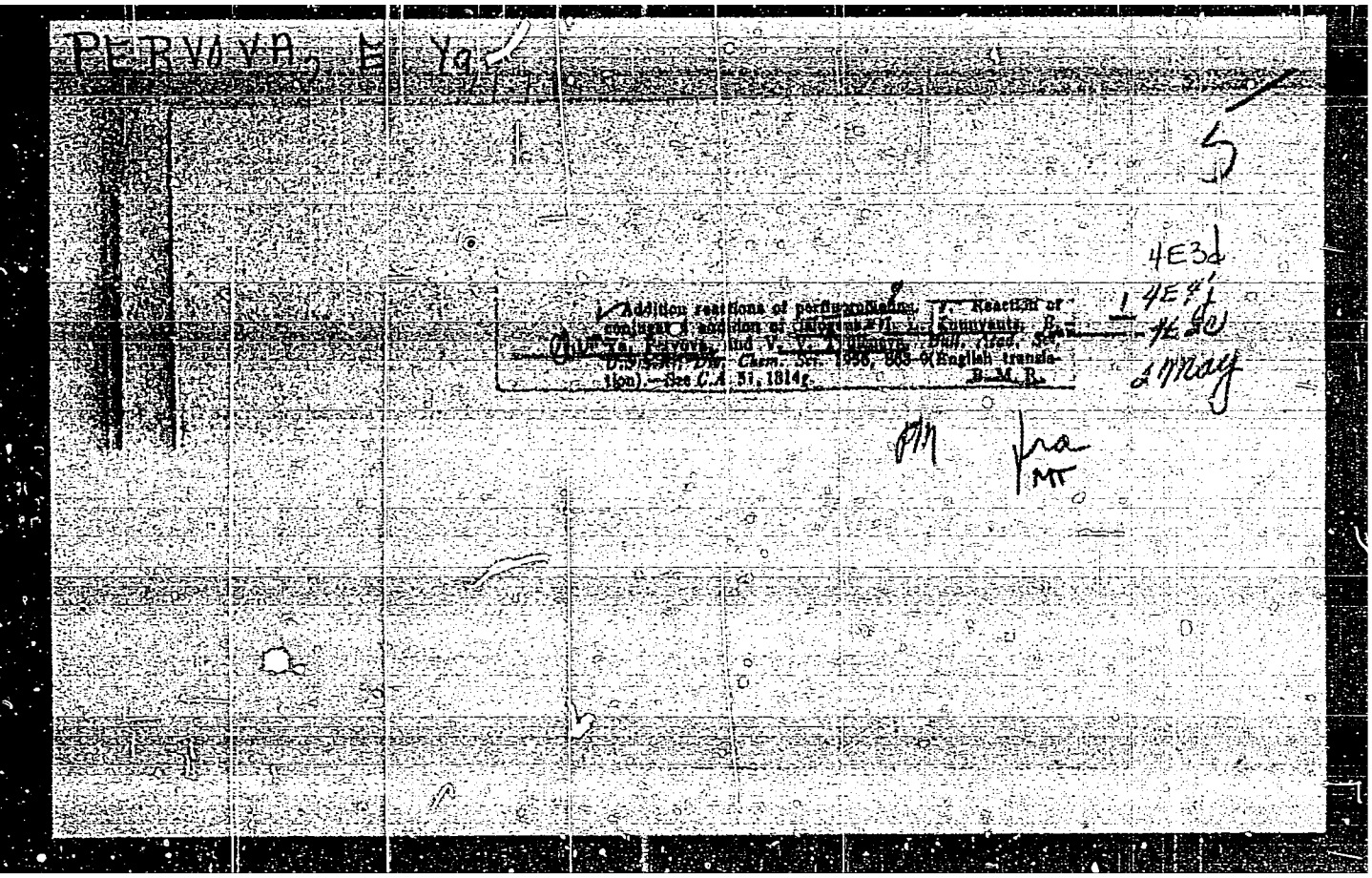
BC

a-3

Catalytic transformations of heterocyclic compounds. XII. Conversion of tetrahydropyran into piperidine, N-alkylpiperidine, and tetrahydrothiopyran. J. K. Jurjev, R. J. Pervova, and V. A. Sazonova. XIII. Synthesis of pyrrolidine and thiophan by catalytic dehydration of butane-αδ-diol in presence of ammonia or hydrogen sulphide. J. K. Jurjev and N. G. Medovschtschikov (J. Gen. Chem. Russ., 1939, 9, [illegible]–[illegible], [illegible]–620).—XII. Tetrahydropyran passed in a stream of NH_3 over Al_2O_3 at [illegible]–400° gives piperidine (I) in 20% yield; N-alkylpiperidine is prepared analogously, with NH_2R, and tetrahydrothiopyran (II) with H_2S. (I) and H_2S at [illegible]° (Al_2O_3 catalyst) yield (II).

XIII. $(OH{\cdot}CH_2{\cdot}CH_2)_2$ and NH_3 or H_2S at 400° similarly give pyrrolidine (35% yield) or thiophan (63% yield). R. T.

METALLURGICAL LITERATURE CLASSIFICATION



KNUNYANTS, I.L.; PERVOVA, Ye.Ya.; TYULENEVA, V.V.

Reactions of perfluoro olefins. Part 5. Reactions for the conjugate addition of halides. Izv.AN SSSR Otd.khim.nauk no.7:843-849 Jl '56. (MLRA 9:10)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.
(Olefins) (Halides)

Pervova, E. YA.

Transformations of mercapto amino acids. IX. Syntheses of α-acylamino-β-propiothiolactones. I. L. Knunyants, O. V. Kil'disheva, and E. Ya. Pervova (N. D. Zelinskii Inst. Org. Chem., Acad. Sci. U.S.S.R., Moscow). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 689-96; *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1955, 613-18 (Engl. translation); cf. *C.A.* 50, 6315c.—Propiothiolactones are readily prepd. by addn. to 1 mole N-acyl-β,β-dimethylcysteine and 2 moles Et_3N in dry $CHCl_3$ at −10° of $ClCO_2CH_2CHMe_2$ (1.5 moles) in $CHCl_3$; after keeping at −6° until SH group reaction is neg. (5-10 min.) the temp. is raised to 20-5° (CO_2 evolution) and the soln. evapd. *in vacuo*. When α-formamido-β,β-dimethylpropiothiolactone $CMe_2CH(NHCHO)CO.S$ is thus prepd. from the corresponding cysteine (0.[illegible]7 g.) and the crude product treated at −6° in $CHCl_3$ with $PhNH_2$ overnight, there is formed *HSCMe₂CH(NHCHO)CONHPh*, m. 105-9° (from dry EtOH). Similarly was prepd. 100% *N-Ac analog*, m. 1[illegible]4-6° (from EtOH). $HSCMe_2CH(NHCOCH_2NHCOCH_2Ph)CO_2H$ (I) and iso-BuO_2CCl in $CHCl_3$ in the presence of Et_3N, as above, gave a part. of the thiolactone, isolated as 100% *α-phenaceturylamino-β,β-dimethylpropiothiolactone* (II), decomp. 101-4° (from abs. EtOH), also formed in 60% yield upon addn. of 0.5[illegible] g. [illegible] at −10° to 0.6[illegible] g. $PhCH_2CONHCH_2COCl$ and 0.5 g. Et_3N in dry $CHCl_3$, followed after [illegible] min. by 0.40 g. $HSCMe_2CH(NH_2)CO_2H$ ([illegible] ml. N NaOH); acidification of the alk. [illegible] 0.1 g. I. [illegible] II (0.5 g.) refluxed 8 hrs. with 0.6 g. [illegible] in MeOH gave 0.4 g. [illegible] $C_{[illegible]}H_{[illegible]}O_{[illegible]}N_{[illegible]}S$ [illegible] Me ester, decomp. 1[illegible]5°. Heating II to 150° at 2 mm. gave *PhCH₂CONHCH₂CONHCH:CMe₂*, m. 1[illegible]-3°, which with 2N HCl gave iso-PrCHO (identified as the dinitrophenylhydrazone). Treatment of N-Bz deriv. (IIb) of IIa with 1 mole iso-BuO_2CCl, as above, gave 70% *2-phenyl-4-isopropylidene-2-oxazolin-5-one* (III), m. 91-5°, by loss of H_2S. Similarly the S-benzyl deriv. of IIb gave 70% III, m. 10[illegible]-6°. [illegible] treated with 1 mole MeI in N [illegible] rapidly gave 60% S-Me deriv. of I, m. 16-17° [illegible] (from EtOAc), after acidification, evapn. and extn. [illegible]. This with iso-BuO_2CCl, as described above, g[illegible] 100% 2-phenacetamidomethylene analog of III, m. 1[illegible] (from EtOH). The following m.ps. and yield of α-acylamino-β,β [illegible]

(2)

(OVER)

I. L. Knunyants

[illegible] dimethylpropiothiolactones were obtained (R of acyl group shown): H, 90-5°, 81%; Me, 129-30°, 77%; $PhCH_2$, 120-1°, 99%; $PhCH_2CONHCH_2$, 104-5°, 99%. X. New method of synthesis of [illegible]. Ivan. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk 1955, 696-704; Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci. 1955, 619-25 (Engl. translation).—α-Acylamino-β,β-dimethylpropiothiolactones have acylating properties which resemble those of mixed anhydrides; as such they can be used for synthesis of polypeptides from mercapto amino acids. To 0.9 g. N-OHC deriv. of IIa and 1 g. Et_3N in 10 ml. $CHCl_3$ at −10° was added 0.88 g. iso-BuO_2CCl in $CHCl_3$ and after 10 min. at −6°, the mixt. was chilled to −10° and treated with 0.75 g. IIa in 7.5 ml. N NaOH; good stirring 10 min. at −8° and 1 hr. at room temp., followed by sepn. of aq. layer, extn. with Et_2O, and acidification with 2N HCl, gave 40% $HSCMe_2CH(NHCHO)CONHCH(CO_2H)CMe_2SH$ (IV), m. 181-3° (from MeOH-Et_2O), sol. in EtOH and dioxane, insol. in H_2O, Et_2O and C_6H_6. α-AcNH analog of II (0.5 g.) and 0.45 g. IIa Me ester (V) in EtOAc gave after 24 hrs. at room temp. 73.7% N-Ac analog of Me ester (VI) of IV, m. 191-3° (from EtOAc), which with 2N NaOH 2 hrs. at 40°, followed by acidification to Congo red, gave 60% free acid (VIa), decomp. 205-6° (from MeOH), whose SH group is free; the same peptide formed in 60% yield when the thiolactone was not isolated but treated in the crude state with the free amino acid; a 91% yield results when the thiolactone is isolated and then treated with the free amino acid. Keeping the α-phenylacetamido analog (VII) of II with 1 mole V in EtOAc overnight gave 80% N-phenylacetyl analog of VI, m. 160-1° (from EtOH), which with 2N NaOH in 2 hrs. at 40-50° gave the [illegible] acid, decomp. 178-83° (from dry EtOH). Cystine with 0.3 moles VII in N NaOH overnight gave a good yield of bis(N-phenylacetyl-β,β-dimethylcysteinyl)cystine, decomp. 160° (from MeOH-Et_2O), whose SH group is detected only by reaction with iodine. Valine (0.12 g.) in aq. $NaHCO_3$ (0.001 mole) treated with 0.25 g. VII, heated 20 min. to 40-5°, and left overnight, gave after filtration, extn. with EtOAc, and acidification to Congo red, 0.3 g. $HSCMe_2CH(NHCOCH_2Ph)CONHCH(CO_2H)CHMe_2$, decomp. 184° (from abs. EtOH). Similarly, alanine and the α-OHCNH analog of II in N NaOH gave a good yield of $HSCMe_2CH(NHCHO)CONHCHMeCO_2H$, decomp. 165° (from EtOH). VIa treated with 1 mole iso-BuO_2CCl in the presence of 3 moles Et_3N in cold $CHCl_3$ gave $AcNHCH(CMe_2SCO_2Bu\text{-iso})CONHCH.CO.S.CMe_2$ (VIIa), m. 198-8° (from abs. EtOH), which with $PhNH_2$ in EtOAc gave iso-$BuO_2CSCMe_2CH(NHAc)CONHCH(CMe_2SH)CONHPh$, m. 220-

I. L. Knunyants

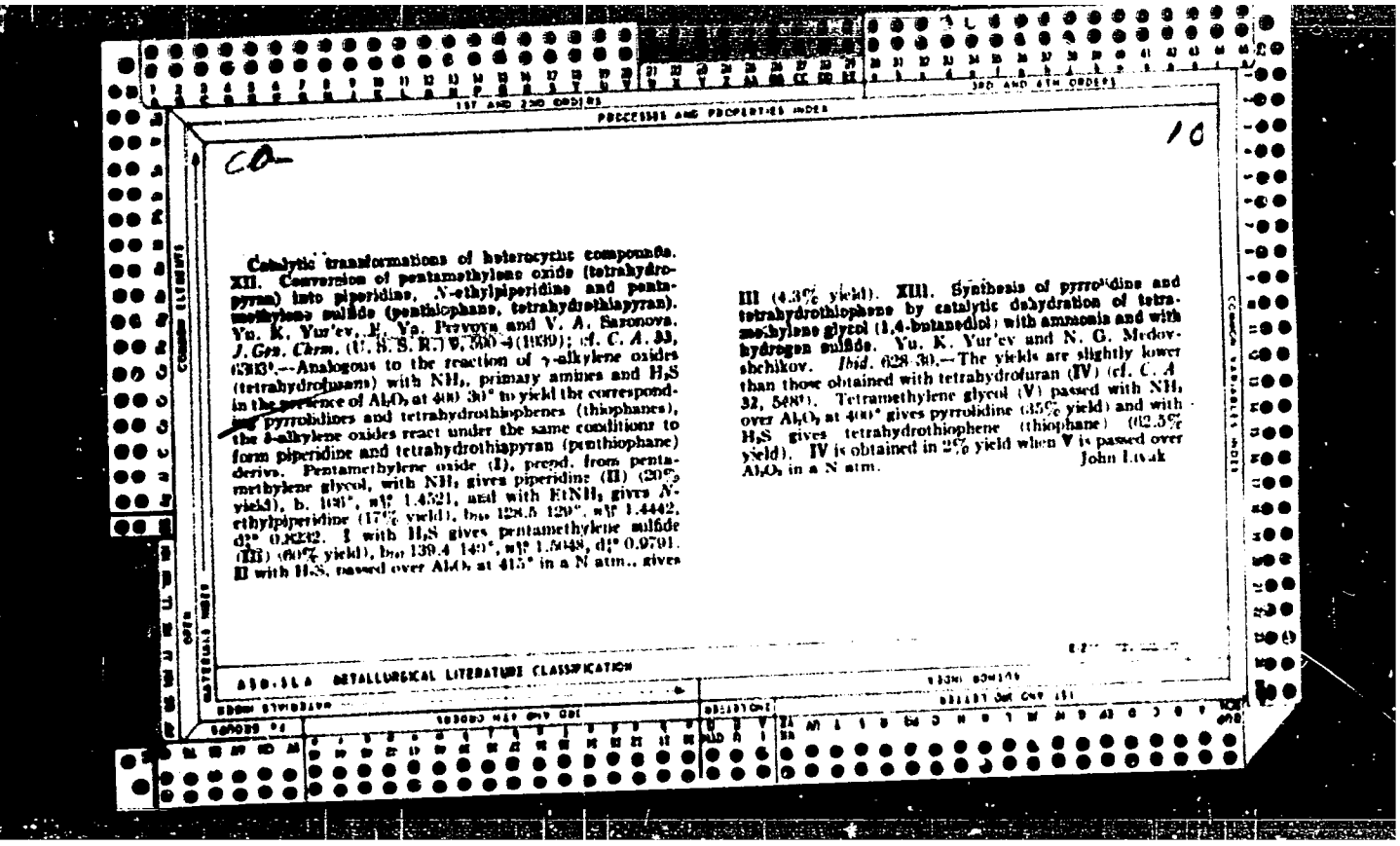
9° (from abs. EtOH), while the thiolactone treated with V [illegible] similarly gave [illegible]NHCH(CMe₂SCO[illegible])CO-NHCH(CMe₂SH)CONHCH(CMe₂SH)CO₂Me, decomp. 230-8° (from abs. EtOH). II and V heated to 30-40° with [illegible] of MeOH [illegible] left overnight gave a good yield [illegible] [illegible]

and leaving the soln. overnight, gave after evapn. and acidification 0.15 g. PhCH₂CONHCH₂CONHCH(CMe₂SH)CONHCH(CO₂H)CHMe₂ (IX), decomp. 178-84° (from abs. EtOH). Treatment of 0.2 g. N-phenacetylglycyl analog of IX [illegible] g. iso-BuO₂CCl, followed in 5 min. by gradual heating to room temp. and evapn. in vacuo and grinding the residue with Et₂O and H₂O, gave 0.14 g. N-phenacetylglycyl analog of VIIa, decomp. 164-6° (from aq. Me₂CO). IX (0.43 g.) and 0.2 g. Et₃N in CHCl₃ at −10° treated with 0.28 g. iso-BuO₂CCl 10 min., then warmed to room temp., evapd. and ground with Et₂O gave 0.25 g. anhydro deriv., [illegible]S, decomp. 155-8° (from EtOAc). This (0.1 g.) and 0.04 g. V, kept overnight in EtOAc, and the solid filtered off, washed with 2N HCl, H₂O, NaHCO₃ and H₂O, and dried and evapd. gave the tetrapeptide MeO₂CCH(CMe₂SH)-NHCOCH(CHMe₂)NHCOCH(CMe₂SCH₂[illegible])NH-COCH₂NHCOCH₂Ph, amorphous solid, decomp. 145-78° (from EtOAc-Et₂O), whose SH group is detectable by reaction with iodine; the FeCl₃ reaction is neg. G. M. K.

PERVOVA, E. YA.

1336. Pervova, E. Ya. Sintez serusoderzhascchikh polipentidov. M., 1954, 8 S. 23 sm. (Akad. Nauk,SSSR. int organich khimii). B. ts (54-5276)

SO: Knizhnaya Letopis, Vol. 1, 1955



PROCESSES AND PROPERTIES INDEX

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CO

Catalytic transformations of heterocyclic compounds. XII. Conversion of pentamethylene oxide (tetrahydropyran) into piperidine, *N*-ethylpiperidine and pentamethylene sulfide (penthiophane, tetrahydrothiapyran). Yu. K. Yur'ev, F. Ya. Perveev and V. A. Saronova. *J. Gen. Chem.* (U. S. S. R.) 9, 630-4 (1939); cf. *C. A.* 33, 6313⁹.—Analogous to the reaction of γ-alkylene oxides (tetrahydrofurans) with NH_3, primary amines and H_2S in the presence of Al_2O_3 at 400° to yield the corresponding pyrrolidines and tetrahydrothiophenes (thiophanes), the δ-alkylene oxides react under the same conditions to form piperidine and tetrahydrothiapyran (penthiophane) derivs. Pentamethylene oxide (I), prepd. from pentamethylene glycol, with NH_3 gives piperidine (II) (20% yield), b. 108°, n_D^{20} 1.4521, and with $EtNH_2$ gives *N*-ethylpiperidine (17% yield), b$_{760}$ 128.5-129°, n_D^{20} 1.4442, d_4^{20} 0.8232. I with H_2S gives pentamethylene sulfide (III) (60% yield), b$_{760}$ 139.4-140°, n_D^{20} 1.5048, d_4^{20} 0.9791. II with H_2S, passed over Al_2O_3 at 415° in a N atm., gives III (4.3% yield). XIII. Synthesis of pyrrolidine and tetrahydrothiophene by catalytic dehydration of tetramethylene glycol (1,4-butanediol) with ammonia and with hydrogen sulfide. Yu. K. Yur'ev and N. G. Medovshchikov. *Ibid.* 628-30.—The yields are slightly lower than those obtained with tetrahydrofuran (IV) (cf. *C. A.* 32, 5689⁹). Tetramethylene glycol (V) passed with NH_3 over Al_2O_3 at 400° gives pyrrolidine (35% yield) and with H_2S gives tetrahydrothiophene (thiophane) (62.5% yield). IV is obtained in 2% yield when V is passed over Al_2O_3 in a N atm. John Lovak

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

PERVOVA, I. E.

Blood rennin and hypertensinase in hypertension. IU. A. Serebrovskaia, IU. D. Vadkovskaia, I. E. Pervova. Terap. arkh. 25 no. 1: 56 - 62 Ja - F '53

PERVOVA, I. E.

HYPERTENSION

Blood rennin and hypertensinase in hypertension. IU. A. Serebrovskaia, IU. D. Vadkovskaia, I. E. Pervova. Terap. arkh. 25 no. 1:56-62 Ja-F '53

SEREBROVSKAYA, Yu.A.; VADKOVSKAYA, Yu.D.; PERVOVA, I.E.

Content of renin and hypertensinase in the blood of hypertensive patients. Terapevt. Arkh. 25, No.1, 56-62 '53. (MLRA 6:4)
(CA 47 no.14:7082 '53)

SEREBROVSKAYA, Yu.A.; VADKOVSKAYA, Yu. D.; PERVOVA, I.Ye.

Blood rennin and hypertensinase in hypertensinase in hypertension. Ter. arkh., Moskva 25 no. 1:56-62 Jan-Feb 1953. (CLML 24:1)

1. Of the Clinical Division of the Biochemical and Pathophysiological Laboratories of the Institute of Therapy (Director -- Prof. A. L. Myasnikov, Active Member AMS), Academy of Medical Sciences USSR.

1. SEREBROVSKAYA , Yu. A.; VADKOVSKAYA, Yu. D.; PERVOVA, I. Ye.
2. USSR (600)
4. Enzymes
7. Blood rennin and hypertensinase in hypertension. Terap. arkh. 25, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. SEREBROVSKAYA, YU. A.; VADKOVSKAYA, YU. L.; PERVOVA, I. YE.

2. USSR (600)

4. Hypertension

7. Blood rennin and hypertensinase in hypertension, Terap. arkh., 25, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PERVOVA, Yu.A. [Pervova, IU.O.]

Quantitative anatomy of the roots of Erysimum canescens Roth. and Erysimum silvaticum M.B. depending on the habitat. Ukr. bot. zhur. 21 no.4:41-48 '64. (MIRA 17:11)

1. Otdel fiziologii rasteniy Instituta botaniki AN UkrSSR.

PERVOVA, K. J.

"Transformations catalytiques des composes heterocycliques. Memoire XII." Jouriev, J. K.; Pervova, K. J.; Sazonova, V. A. (p. 590)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #7

PERVOVA, L.Ya.

Shot noise in semiconductors. Radiotekh.i elektron. 1 no.1:98-105 Ja '56. (MLRA 9:11)
(Semiconductors--Noise)

Pervova, L. Ya.

AUTHOR: Pervova, L.Ya. 109-12-13/15

TITLE: The Problem of Shot Noise in Semi-conductors (K voprosu o drobovom shume v poluprovodnikakh) (Letter to the Editor)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, No.12, p. 1550 (USSR)

ABSTRACT: In her paper entitled "The Shot Noise in Semi-conductors", published in the Journal (1956, vol.I, No.1, p.98) the author used an incorrect formula to express the distribution of the conduction electrons as a function of their lifetime. The correct formula should be in the form:

$$dn_{\tau_x} = \frac{N}{\tau^2} \tau_x e^{-\tau x/\tau_d} d\tau x$$

where the notation is the same as used in the earlier work. There is 1 Slavic references.

SUBMITTED: August 8, 1957.

AVAILABLE: Library of Congress

Card 1/1

PERVOVA, L. YA.

109-3-12/23

AUTHOR: Pervova, L.Ya.

TITLE: Noise Spectrum and Frequency Characteristics of the Photo Current in Thallium Sulphide Photo Resistors (Spektr shuma i chastotnyye zavisimosti fototoka v serno-talliyevykh fotosoprotivleniyakh)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol.III, No.3, pp. 405 - 408 (USSR).

ABSTRACT: The measurements reported were carried out by means of the equipment shown in Fig.1. This consisted of the following units: 1) the investigated photo resistor which was regarded as the source of noise; 2) an AC amplifier covering a frequency range from 0.3 to 700 c.p.s; 3) a commutator-type mechanical switch which was driven by a variable-speed DC motor; 4) a low-frequency narrow-band RC filter; 5) a DC amplifier for emplifying the noise at the output of the RC filter, and 6) a measuring or registering circuit. The measuring circuit consisted of a germanium diode and two galvanometers, a smoothing filter and a biassing circuit. The circuit operated as a linear detector, so that the DC component of the detector output was proportional to the root-mean-square value of the input noise. The noise spectrum and the photo current characteristic as a function of

Card1/3

Noise Spectrum and Frequency Characteristics of the Photo Current in Thallium Sulphide Photo Resistors

frequency were investigated for 10 samples of the photo resistors; the samples had a sensitivity of 0.1 A/Lm and their threshold sensitivity was 10^{-10} Lm x $sec^{-1/2}$. The measured values of noise and photo current, in relative units, are shown in Fig.2; the points marked by circles correspond to the values of noise and those marked with crosses indicate the values of the current. From the above, it is concluded that the frequency response of the photo current in thallium sulphide resistors is identical to the noise spectral curve, provided the current is measured at low illumination intensities (of the order of 10^{-8} to 10^{-9} Lm). The noise spectrum can be divided into three regions; at low frequencies, the noise is almost independent of frequency; at medium frequencies, it is inversely proportional to frequency, while at frequencies in the vicinity of 700 c.p.s., it is governed by f^{-2} law, where f is frequency. The author thanks Corresponding Member of the Ac.Sc. USSR D.V. Zernov for directing the work and B.M. Mikhaylov for his help in the measurements.
There are 2 figures and 6 references, 4 of which are English and 2 Russian.

109-3-12/23

Noise Spectrum and Frequency Characteristics of the Photo Current in Thallium Sulphide Photo Resistors

SUBMITTED: August 8, 1957

AVAILABLE: Library of Congress

Card 3/3

SOV/109-59-4-2-22/27

AUTHOR: Parvova, L.Ya.

TITLE: The Threshold Sensitivity and the Noise Spectrum of Junction Germanium Photodiodes (Predel'naya chuvstvitel'nost' i spektr shuma ploskostnykh germaniyevykh fotodiodov)

PERIODICAL: Radiotekhnika i Elektronika, 1959, Vol 4, Nr 2, pp 330-334 (USSR)

ABSTRACT: The aim of this work was to determine the threshold sensitivity of the photodiodes and to measure the absolute value of the spectrum of the diode noise over a frequency range from 0.5 to 20,000 c/s. The measurement was done by separating a narrow range of the frequency spectrum by means of a synchronous detector. The measuring equipment consisted of an amplifier, a mechanical chopper modulator, a low-frequency narrow-band filter, a DC amplifier and a meter circuit. The equipment was described in detail in an earlier work by the author (Ref 2). The threshold sensitivity D was defined as the quantity(reciprocal to the luminous flux)which produced at the output of the

The Threshold Sensitivity and the Noise Spectrum of Junction Germanium Photodiodes

device a current equal to the root-mean-square value of the output noise. It was found that 1/D was of the order of 3 x 10-10 Lm at the frequency of 70 c/s for a bandwidth of 1 c/s. The noise spectra for several samples of photodiodes are shown in Fig 2 and 3. It was found that over the range of frequencies 0.5 to 20,000 c/s, the noise spectrum contains two components; the first component is proportional to 1/f and is predominant at low frequencies; the second component is in the form of the shot noise and predominates at frequencies above 1,000 c/s. The author expresses her gratitude to S.M. Ryvkin for supplying the samples of the photodiodes and to V.N.Makarov for his help in carrying out the measurements. There are 3 figures, 1 table and

SOV/109-59-4-2-22/27

The Threshold Sensitivity and the Noise Spectrum of Junction Germanium Photodiodes

4 references of which 3 are Soviet and 1 English; one of the Soviet references being translated from English.

SUBMITTED: 3rd June 1957

Card 3/3

SOV/109-4-4-24/24

AUTHORS: Vasil'yev, G.F., Politova, N.M., Shabel'nikova, A.E., Pervova, L.Ya. and Yasnopol'skaya, A.A.

TITLE: Interdepartmental Seminaron Cathode Electronics (The 11th Meeting) (Mezhduvedomstvennyy seminar po katodnoy elektronike) (11-e zasedaniye)

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol 4, Nr 4, pp 731 - 732 (USSR)

ABSTRACT: A meeting of the seminar took place on December 1, 1958 at the Institut radiotekhniki i elektroniki AN SSSR (Institute of Radio-engineering and Electronics of the Ac.Sc.USSR). During the meeting 8 papers were read. Yu.G. Ptushinskiy read a paper entitled: "Kinetics of the Adsorption of Oxygen on the Surface of Tungsten". The second paper, by I.M. Dykman and S.M. Pekar, dealt with "The Admixture Photo-effect of Semiconductors in the Region of the Exciton Light Absorption". The paper by T.L. Matskevich was devoted to "The Problem of the Secondary Electron Emission of Fine Films of a Number of Organic Substances". The problem of "Surface Ionisation in a Strong Electric Field on a Surface with a Non-homogeneous Work Function" was considered by B.Ya. Zandberg and N.I. Ionov. I.M. Bakulina and N.I. Ionov read a paper entitled "Determination of the Electron Attachment Energy and of the Potentials of Atoms by the Method of Surface Ionisation". N.L. Yasnopol'skiy and A.P. Alekseyevadealt with the problem of "Passage of Steady-state Currents Through a Dielectric When the Current Carriers Are Introduced Through One of the Contacts by Means of Electron Bombardment". The lecture by D.A. Ganichev and E.G. Utkin discussed the following - "The Possibility of the Analysis of the Total-energy Distribution of Electrons in a Quasi-spherical Condenser". The work by M.L. Kapitsa, S.A. Fridrikhov and A.E.Shul'ma dealt with an investigation of the secondary electron emission and the characteristic energy losses of a number of dielectrics (glass, mica, fluorite and alkali-haloid monocrystals).

Card1/2

Card 2/2

Peruova, L. Ya.

S/109/60/005/03/020/021
E140/E435

AUTHORS: Basalayeva, N.Ya., Vikhlyayeva, R.P., Zhdan, A.G., Zernov, D.V., Kefenova, T.I., Portnova, L.Ya., Putilova, S.M., Polyakova, M.A., Popov, B.N., Spivak, G.V., Shabel'nikova, A.P. and Yasnopol'skaya, A.A.

TITLE: Report on the Ninth All-Union Conference on Cathode Electronics

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol 5, Nr 3, pp 866-879 (USSR)

ABSTRACT: This conference took place in Moscow from 21-28th October 1959 with the participation of Soviet scientists and guests from Hungary, Eastern Germany, the Chinese Peoples' Republic and Czechoslovakia. The chairman of the organisation committee was Academician Yakshinskiy. The report consists of brief abstracts of 125 papers presented at the plenary sessions and the sections of the conference. 15 Reports were presented in the section on surface properties of solids dealing with electron adsorption and structural properties of active surface films. Electron-optical studies of "patch fields" on emitting surfaces were discussed. 6 Papers on the

Card 1/2

physics of semiconductor cathodes were given in the section on thermionic emission. 17 Papers were presented in the section on photoelectric emission. Many papers discussed industrial technology of photocells and multipliers. 16 Papers were presented at the section on secondary-electron emission. The section on field emission heard 11 papers discussing pulse field emission at high current densities, surface phenomena, field emission of semiconductors and the "condenser" cathode. More than 30 papers and brief communications were presented at the section on properties, new types and technology of cathodes, relating to the technology of various types of cathodes, their behaviour in practical devices and the operating mechanisms of individual cathodes. 19 Papers were given at the section on interaction of solid bodies with streams of charged particles and residual gases. Notes of conference discussion indicated that several sharp and critical exchanges of views took place.

Card 2/2

29422
S/109/61/006/010/020/027
D...D302

AUTHOR: Pervova, L.Ya.

TITLE: Determining the life time of unequal carriers in semiconductors from the spectral density distribution of the noise

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 10, 1961, 1745 - 1748

TEXT: In a previous paper (Ref. 1: Radiotekhnika i elektronika, ... 330) the possibility of the above mentioned measurement was shown. With increasing frequency the 1/f noise becomes negligible and the dominant contribution to the noise spectrum comes from the generation recombination noise. When the noise ...

$$\frac{...}{1 + (\omega\tau)^2} \qquad (2)$$

then ... $\omega\tau$ ... 1.

Card 1/3

S/109/61/006/010/020/027
D246/D302

Determining the life-time of ...

which gives the basis for measuring the life-time. Whenever one cannot measure the falling part of ... one can use the well known formula

(3)

where τ_L ... time of flight by the carrier, L - length of specimen, ... mobility of the carrier. Knowing ... and measuring ...

In the region where the spectral density of the noise is independent of frequency, one can obtain ... by using ... one ... In the actual experiment the authors measured the life-time ... in p-type germanium, doped ... The analyzer had an effective ... The noise was amplified ... amplifier coefficient ... the measurements ... except in the case of ... specimen). Specimens were in a chryostat at 80°K. The figure shows that generation-recombination noise appears for f ... 8.10 c/s.

Card 2/...

Determining the life-time of ...

Specimens used had length L = 6 mm. Using (3) a table gives the life-time. Also one can find the effective cross-section of the recombination of holes from

$$\sigma_{Au} = \frac{1}{N_{Au} v}$$

where $v = 10^7$ cm/sec - thermal velocity of holes. Figures for σ_{Au} are close to those found by G. Rupprecht (Ref. 3: Proc. Internat. Conf. Semic. Phys., Prague, 1960, 282). There are 1 figure, 1 table and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: G. Rupprecht, Proc. Internat. Conf. Semic. Phys. Prague, 1960, 282.

SUBMITTED: January 24, 1961

Card 3/3

ACC NR: AP7005851 SOURCE CODE: UR/0181/66/008/012/3606/3612

AUTHOR: Iglitsyn, M. I.; Pel', E. G.; Pervova, L. Ya.; Fistul', V. I.

ORG: State Scientific Research and Design Institute of the Rare Metal Industry, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti)

TITLE: Instability of an electron-hole plasma in a semiconductor, due to the nonlinearity of the volt-ampere characteristics

SOURCE: Fizika tverdogo tela, v. 8, no. 12, 1966, 3606-3612

TOPIC TAGS: semiconductor plasma, semiconductor carrier, volt ampere characteristic, plasma instability, carrier density, semiconductor conductivity

ABSTRACT: The conditions for the occurrence of instability in a solid-state plasma are derived theoretically and the conclusions of the theory are checked experimentally with measurements on p-type germanium single crystals doped with gold and antimony. The tests consisted of determining the volt-ampere characteristics and plots of the hole density and hole-capture cross section against the field. The results show that in a crystal in which the electron and hole components of the conductivity are nonlinear (as a result, for example, of the dependence of the recombination cross section on the electric field) oscillations of the conductivity occur. This type of instability has a resonant character. The theoretical calculations yield formulas for the oscillation frequency and for the critical field. The experimentally measured

Card 1/2

ACC NR: AP7005851

period of the oscillations and of the critical field for a germanium crystal doped with gold agreed with the calculated values. The electronic component of the conductivity in such a crystal is shown to have a negative differential resistance. The instability is connected with nonlinearity of the volt-ampere characteristics, and has a resonant character. The authors thank A. Ya. Shul'man, O. V. Konstantinov, V. I. Perel', and D. G. Andrianov for a discussion of the results. Orig. art. has: 3 figures and 15 formulas.

SUB CODE: 20/ SUBM DATE: 13Jun66/ ORIG REF: 002/ OTH REF: 003

Card 2/2

L 40367-66 EWT(m)/EWT [illegible] IJP(c) JD

ACC NR: AP6014244 SOURCE CODE: UR/0109/66/011/005/0894/0900

AUTHOR: Iglitsyn, M. I.; Pervova, L. Ya.; Fistul', V. I.

ORG: none

TITLE: Instability in gold-doped n-type germanium upon carrier injection

SOURCE: Radiotekhnika i elektronika, v. 11, no. 5, 1966, 894-900

TOPIC TAGS: germanium semiconductor, semiconductor research

ABSTRACT: Sb- and Au-doped n-Ge 1 x 1-mm plates (0.003-mm thick) were tested; three lots of specimens had these parameters:

Lot	ρ ohm·cm, 300°K	ρ ohm·cm, 77°K	N_{Au}, per cm³	$\frac{N_{Sb}-N_{Au}}{N_{Sb}}$ %	
B	3	60	$6\cdot10^{14}$	107	$2N_{Au} < N_{Sb} < 3N_{Au}$
A	3	585	$6\cdot10^{14}$	101	
C	2,3	$>10^6$	$1{,}2\cdot10^{15}$	68	$N_{Au} < N_{Sb} < 2N_{Au}$

The deep-level specimens were tested for: I-V characteristics, susceptance vs. current characteristic, frequency characteristics, and effect of illumination.

Card 1/2

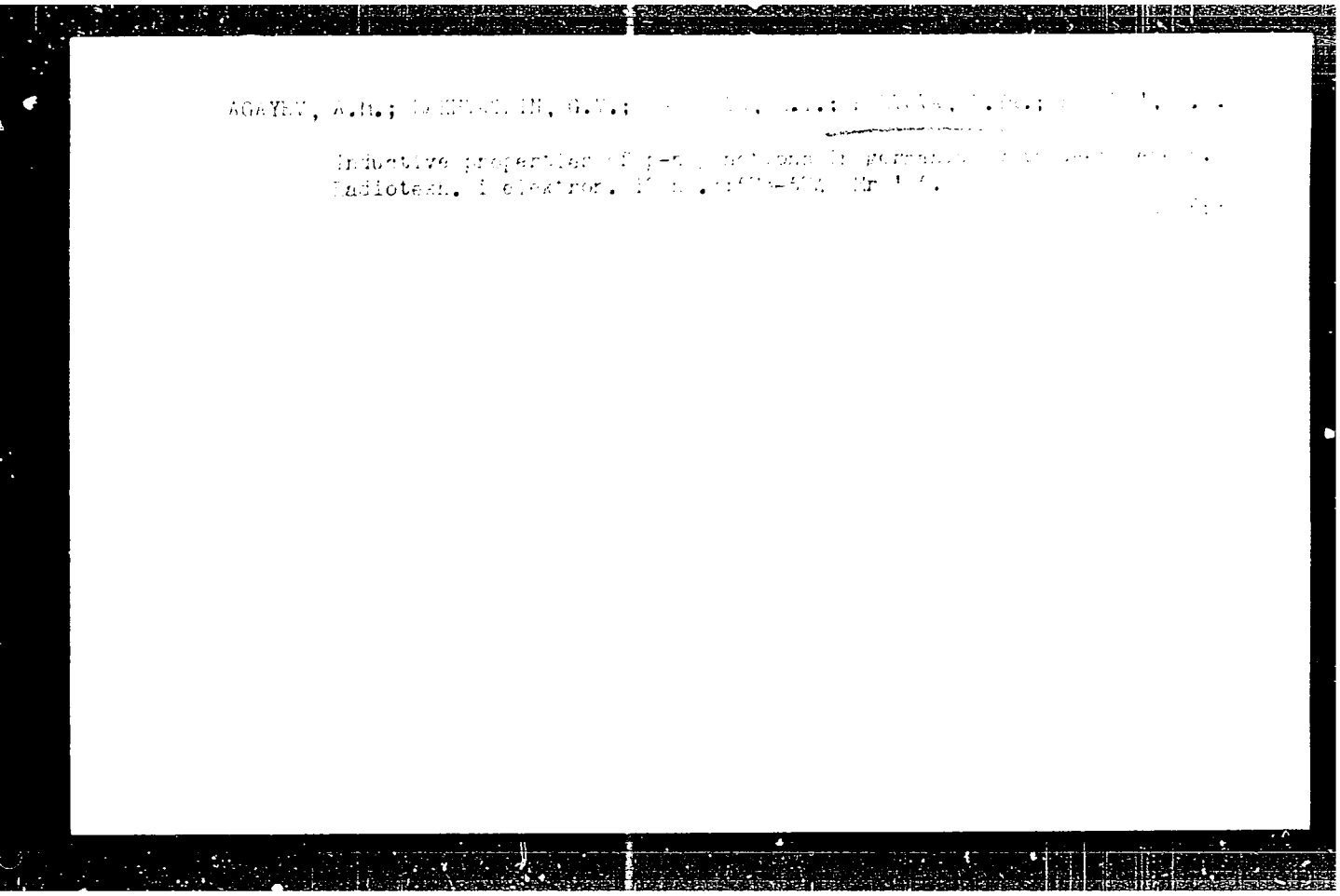
UDC: 539.293.011.263.2:546.289

L 40367-66
ACC NR: AP6014244

The electric current instability was recorded. Lots A and C exhibited a complex pattern of instability which could be explained by the fact that the minority-carrier injection took place in a strong electric field (thousands v/cm), while in B-lot specimens, the injection occurred in a rather weak (850 v/cm or lower) field. On the strength of the above tests and results reported by M. Kikuchi et al. (J. Phys. Soc. Japan, 1962, 17, 8, 1268) and other sources, the mechanism of the instability phenomena is conjectured. Orig. art. has: 4 figures and 1 table.

SUB CODE: 09 / SUBM DATE: 12Jan65 / ORIG REF: 006 / OTH REF: 004

Card 2/2 hs



AGAYEV, A.M.; [illegible]

Inductive properties of [illegible]
radiotelem. telectror. [illegible]

PERVOVA, L.Ya.; MAKAROV, V.N.

Generation-recombination noise in p-type germanium containing zinc. Radiotekh. i elektron. 7 no.8:1434-1439 Ag '62. (MIRA 15:8)

(Semiconductors)

L 36227-65 EWT(l)/EWT(m)/T/EWP(t)/EWP(b)/EWA(b) Pz-6/Peb IJP(c) JD/JG/AT

ACCESSION NR: AP5007108 S/0109/65/010/003/0573/0574

AUTHOR: Agayev, A. M.; Zakhvatkin, G. V.; Iglitsyn, M. I.; Pervova, L. Ya.; Fistul', V. I.

TITLE: Inductive properties of p-n junctions in deep-level germanium

SOURCE: Radiotekhnika i elektronika, v. 10, no. 3, 1965, 573-574

TOPIC TAGS: semiconductor, pn junction

ABSTRACT: An experimental study of inductive susceptance of p-n junctions in Ge containing deep recombination centers is briefly reported. Ge specimens were doped with gold to a donor-impurity concentration of 1.3×10^{15} per cm^3 and tested at 0.75—12 Mc with currents from 0.005 to 6 mamp. The susceptance changed its sign at a 200-mv forward bias. A plot of the inductive susceptance vs frequency is supplied. Orig. art. has: 2 figures and 1 formula. [03]

ASSOCIATION: none

SUBMITTED: 16Aprb4 ENCL: 00 SUB CODE: SS

NO REF SOV: 004 OTHER: 002 ATD PRESS: 3220

Card 1/1

PERVOVA, M., zaveduyushchaya ochistnymi sooruzheniyami.

Remodeling of a high-speed filter into an AKKh filter. Zhil.-kom. khoz. 3 no.7:12-13 Jl '53. (MLRA 6:8)

1. Pavlovskiy gorodskoy vodoprovod. (Filters and filtration)

Pervova, N. I.

6

38. Quantitative analysis of spent sulphuric acid from alkylation processes. V. D. Yasnopol'skii, I. E. Dolaskova and N. I. Pervova (Azerbaijan Sci. Res. Inst. of the Petroleum Refining Industry). *Zavod. Lab.*, 1957, 23 (6), 666-667.—Free H_2SO_4 2-7

4E4j

4E2d

the citrate to dryness and drying to const. wt.,
igniting the residue to La_2O_3, and weighing.
G. S. Smirn

YASNOPOL'SKIY, V.D.; PERVOVA, N.I.

Methods for analyzing additives to lubricants. Sbor.trud.AzNII NP no.2:271-278 Ag '58. (MIRA 12:6)
(Lubrication and lubricants--Additives)
(Extraction (Chemistry))

PERVOVA, N.I.

11(4) PHASE I BOOK EXPLOITATION SOV/2925

Baku. Azerbaydzhanskiy nauchno-issledovatel'skiy institut neftepererabatyvayushchey promyshlennosti imeni V. V. Kuybysheva.

Sbornik trudov, vyp. 2. (Collection of Works, No. 2) Baku, Aznefteizdat, 1958. 373 p. Errata slip inserted. 500 copies printed.

Additional Sponsoring Agency: Azerbaydzhan. Ministerstvo neftyanoy promyshlennosti.

Ed. of Publishing House: T.B. Al'tman; Editorial Board: V.S. Aliyev, Candidate of Chemical Sciences, V.S. Gutyrya, Doctor of Chemical Sciences, A.M. Kuliyev, Doctor of Chemical Sciences, N.M. Indukov, Candidate of Technical Sciences, V.Ya. Masuzyan, Candidate of Chemical Sciences, P.G. Suleymanova, Candidate of Technical Sciences, A.M. Levshina, Candidate of Chemical Sciences, N.B. Al'tman, Candidate of Chemical Sciences, I.M. Orudzheva, Candidate of Technical Sciences, M.M. Melik-Zade, Candidate of Chemical Sciences.

PURPOSE: This collection of articles is intended for chemical engineers, technicians, and refiners concerned with advanced methods of petroleum conversion.

COVERAGE: The collection presents an analysis of different types of crudes extracted in Azerbaydzhan and of the products obtained from these crudes through petroleum conversion processes. The dewatering, desalting and demulsifying of crudes is described and the suitability of these crudes for the recovery of diesel fuels is discussed. Results of catalytic cracking performed over a fluidized bed synthetic catalyst and the chemical composition of gasoline produced by two-stage catalytic cracking are analyzed. Attrition and deactivation of catalysts as well as catalyst circulation in a hyperflow system are reviewed. Various lube oil additives and the production of different types of oils and of carbon black are outlined. References accompany individual articles.

Collection of Works, No. 2 SOV/2925

Yadnopol'skiy, V.D., and N.I. Pervova. Methodology of Analyzing Lubrication Oil Additives 271

Melik-Zade, M.M., A.G. Khanlarova, M.R. Musayev, V.V. Subkhanverdiyev, and K.I. Sadykhov. Problem of Appraising the Stability of Additive AzNII-7 in Diesel Oil by Means of Radioactive Isotopes 279

Safonov, V.A., N.M. Indyukov, I.S. Sheytnov, S.M. Markaryan, and M.I. Rustamov. Mastering the Technique of Thermal Conversion of Petroleum-bearing Sands of Kirmakinsk Carried out Over a Fluidized Bed 288

Indyukov, N.M., M.F. Kulanova, N.F. Paniyeva, and F.A. Kuramanova. Treatment of Distillates of Automobile Lubrication Oils 10 and 18 With Spent Sulfuric Acid From Alkylation 308

Ismaylov, I.K., and G.N. Atayev. Systems for Control by "Hyperflow" Transport 318

Card 7/8

PERVOVA, N.I.

AUTHOR YASNOPOL'SKIY, V.D., DOLNAKOVA, I.E., PERVOVA, N.I. 32-6-9/54

TITLE On the quantitative analysis of sulphuric acid after the effect of alkalizing processes.
(O kolichestvennom analize otrabotannoy sernoy kisloty ot protsessov alkilirovaniya.- Russian)

PERIODICAL Zavodskaya Laboratoriya 1957, Vol 23, Nr 6, pp 665-667 (U.S.S.R.)
Received: 7/1957 Reviewed: 8/1957

ABSTRACT For the analysis of sulphuric acid affected by alkalizing processes a special method has been developed (F.F. Weiss Anal. Chem., Vol 25, Nr 2, pp 277 - 1953) which, however appears to be too complicated. In the paper suggestions are made for a simplification of this method, chiefly with respect to the analysis of acids remaining after the alkalizing of benzole by propylene or isobutane or isobutane or butylene. According to the method of Weiss, determination of free sulphuric acid is based on the insolibility of anilinsulphate in chloroform, was anilin salts of other acid components are easily soluble. This method was compared with an other which is based on the solubility of acid-ether-barium salts of sulphoacids in water. The results were the same, the method, using bariumcarbonate however took, too much time (12 hours).

CARD 1/2

PERVOVA, S.V., kand.istoricheskikh nauk

Lenin's concern for the health of workers; on the 90th anniversary of the birth of V.I. Lenin. Sov. med. 24 no.4:3-9 Ap '60. (MIRA 13:8)

1. Iz kafedry marksizma-leninizma II Moskovskogo meditsinskogo instituta im. N.I. Pirogova.
(LENIN, VLADIMIR IL'ICH, 1870-1924)

PERVOVA, T. N.

PERVOVA, T. N. -- "Tuberculosis in a Student Group." Min Health USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

PERVOVA, T.N.

Segmented lesion in tuberculous processes of the lower lobe. Probl. tub. 38 no. 5:23-28 '60. (MIRA 14:1)
(TUBERCULOSIS)

PERVOVA, Ye. A.

"The Synthesis of Sulfur-Containing Polypeptides." Cand Chem Sci, Inst of Organic Chemistry imeni N. D. Zelinskiy, 30 Dec 54. (V , 22 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

Pervova, Ye. Ya.

KNUNYANTS, I.L.; KIL'DISHEVA, O.V.; PERVOVA, Ye.Ya.

Conversion of mercaptoamino acids. Report no.9. Synthesis of α-acylamino-β-propiothiolactones. Izv.AN SSSR. Otd.khim.nauk no.4:689-695 Jl-Ag '55. (MLRA 9:1)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo Akademii nauk SSSR.

(Lactones) (Amino acids)

Pervova, Ye. Ya.

KNUNYANTS, I.L.; KIL'DISHEVA, O.V.; PERVOVA, Ye. Ya.

Conversion of mercaptoamine acids. Report no.10. New method for the synthesis of polypeptides. Izv.AN SSSR.Otd.khim.nauk no.4: 696-704 Jl-Ag '55. (MLRA 9:1)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo Akademii nauk SSSR.

(Peptides) (Amino acids)

PERVOVA, Ye. YA.

Subject : USSR/Chemistry AID P - 3159

Card 1/1 Pub. 119 - 1/7

Authors : Knunyants, I. L. and Ye. Ya. Pervova (Moscow)

Title : Progress in establishing the structure of proteins and their synthesis

Periodical : Usp. khim., 6, 641-672, 1955

Abstract : Methods of protecting the amino group during acylation as well as for the prevention of condensation are reviewed. Synthesis of numerous polypeptides is described. Several protecting agents are mentioned. The review is based on non-Russian literature exclusively.

Institution : None

Submitted : No date

KNUNYANTS, I.L.; PERVOVA, Ye.Ya.; LIN'KOVA, M.G.; KIL'DISHEVA, O.V.

β-Thiolactones, their polycondensation and polymerization. Khim. nauka i prom. 3 no.2:278-279 '58. (MIRA 11:6)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Lactones)

ACC NR: AP6[illegible]4023 SOURCE CODE: UR/0062/66/000/006/1115/1116

AUTHOR: Knunyants, I. L.; Puzerauskas, A. P.; Kil'disheva, O. V.; Poryova, Ye. Ya.

ORG: Institute of Heteroorganic Compounds, Academy of Sciences, SSSR (Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Symmetrical diethyl di-p-nitrophenyl 1,2-ethylenediphosphonate

SOURCE: AN SSSR. Izv. Ser khim, no. 6, 1966, 1115-1116

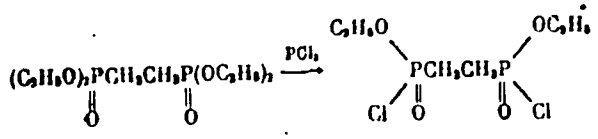
TOPIC TAGS: antitumorigenic compound, alkylnitrophenyl diphosphonate, ORGANIC SYNTHETIC PROCESS, ETHYLENE, DIPHENYL COMPOUND, CYCLIC GROUP

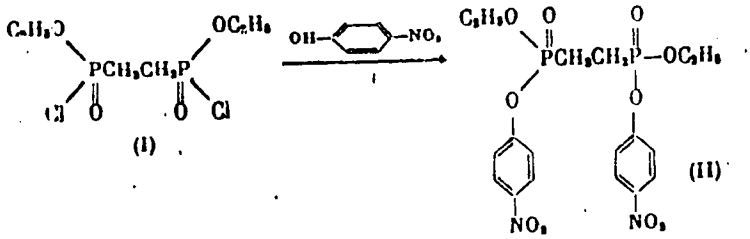
ABSTRACT:

Previous studies showed that some bisethyleneimines possess antitumorigenic properties; in this connection, preparation of symmetrical diethyl di-p-nitrophenyl 1,2-ethylenediphosphonate (II) was studied. At 68—70°C, tetraethyl 1,2-ethylenediphosphonate reacts with PCl_5 to form chloride I, which reacts with p-nitrophenol in the presence of triethylamine at -10°C to yield (72%) II, mp 96—10[illegible]°C:

Card 1/3 UDC: 542.95+661.718.1

ACC NR: AP6024023



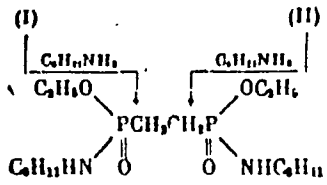


(I) (II)

II is a bifunctional phosphorylating agent. The reaction of I and II with cyclohexylamine yields symmetrical diethyl dicyclohexylamido-1,2-ethylenediphosphonate, mp 211—214°C:

Card 2/3

ACC NR: AP6024023



[W.A. 50; CBE No. 10]

SUB CODE: 07/ SUBM DATE: 28Jan66/ ORIG REF: 001/

Card 3/3

KNUNYANTS, I.L.; TYULENEVA, V.V.; PERVOVA, Ye.Ya.; STERLIN, R.N.

Pseudophosphonium compounds from triethyl phosphite and perfluoro-olefins. Izv. AN SSSR. Ser. khim. no.10:1797-1801 O '64. (MIRA 17:12)

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KNUNYANTS, I.L.; PERVOVA, Ye.Ya.

Alkylation of perfluoroalkyl iodides by diazomethane. Izv. AN SSSR. Ser. khim. no.5:894-895 '65. (MIRA 18:5)

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KNUNYANTS, I.L.; PERVOVA, Ye.Ya.; TYULENEVA, V.V.

Reactions of fluorinated olefins. Report no.17: Competing conjugation in perfluoroalkenylphosphinic esters. Izv. AN SSSR. Ser.khim. no.9:1576-1583 S '63. (MIRA 16:9)

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(Phosphinic acid) (Olefins) (Conjugation (Chemistry))

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Reaction of triethyl phosphite with α,β-dichloro-ω-iodoperfluoro alkanes. Izv.AN SSSR.Otd.khim.nauk no.8:1409-1412 Ag '62. (MIRA 15:8)

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KHUNYANTS, I.L.; PERVOVA, Ye.Ya.; TYULENEVA, V.V.

Addition reactions of perfluoroölefins. Report No. 14: Conjugated addition of halides and mercury salts. Izv. AN SSSR. Otd. khim. nauk no. 1:88-93 Ja '61. (MIRA 14:2)

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(Olefins) (Mercury organic compounds)
(Fluorine organic compounds)

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Characteristics of the anatomic structure of the vegetative organs and flower of the Crimean wild peonies. Ukr. bot. zhur. 18 no.5:15-23 '61. (MIRA 17:2)

1. Institut botaniki AN UkrSSR, otdel fiziologii rasteniy.

PERVOVA, Yu.A. [Pervova, IU.O.]

Effect of the geographical factor on grain size of reserve starch in some perennial plants of the crowfoot family. Ukr. bot.zhur. 16 no.4:74-78 '59. (MIRA 12:11)

1. Khar'kovskiy gosudarstvennyy farmatsevticheskiy institut.
(Crowfoot) (Starch) (Vegetation and climate)

PERVOVA, Yu.A. [Pervova, IU.O.]

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Ukr.bot.zhur. 18 no.6:111-113 '61. (MIRA 15:3)
(Botany--Anatomy) (Molisch, H.)

PERVOVA, Yu.A. [Pervova, IU.O.]

Characteristics of the storage of reserve substances in the underground organs of some perennial early spring plants. Ukr. bot. zhur. 19 no.6: 70-76 '62. (MIRA 16:2)

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(Roots (Botany)) (Plants--Chemical analysis) (Perennials)

PERVOVA, Yu.'.

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An open letter to the editor of the periodical "Nauchno-tekhnicheskie obshchestva S.S.S.R". NTO no.10:64 O '59. (MIRA 13:2)

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(Building research)

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[Slag concrete in large-block construction] Shlakobeton v krupnoblochnom stroitel'stve. [Moskva] Moskovskii rabochii, 1957. 113 p. (MIRA 10:7)
(Concrete blocks) (Precast concrete construction)

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1. Laboratoriya patomorfologii (zav. - doktor med. nauk Yu.G. TSellarius) Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR, Novosibirsk.

PERVOZVANSKAYA, T.N.

Optimal planning in a linear dynamic model with consideration of indeterminacy. Trudy LIEI no.53:131-141 '65.

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(Electronic calculating machines)
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(Water pipes--Hydrodynamics)

AUTHOR PERVOZVANSKIY, A.A. PA - 2151

TITLE On the Quality of Automatic Frequency-Regulation in Energy-Systems. (O kachestve avtomaticheskogo regulirovaniya chastoty v energosistemakh)

PERIODICAL Izvestiia Akad. Nauk SSSR, Otdel.Tekhn., 1957, Nr 1, pp 3-13 (U.S.S.R.)

Received 3/1957 Reviewed 4/1957

ABSTRACT It was the task of this paper to determine the methods for the selection of basic parameters of systems for automatic frequency-regulation in order to satisfy the conditions for the maintainance of frequency established in the USSR. Work was carried out under A.A.VORONOV's supervision. First the character of stress-modification and the criteria for the quality of the system of an automatic frequency-regulation is dealt with. The process X(t) of the modification of total stress in an energy-system is the sum of fluctuations which occur in the moments τ_j on which occasion the number of moments τ_j is a chance-quantity N(t) distributed according to Poisson's law. A function $R(\tau_j, t)$ is chosen which characterizes fluctuation on the occasion of the switching-on of a single consumer. The most simple scheme for idealization is shown, then the method of centering the process applied by elimination of the slowly changing component and two methods for the statistical utilization of the process are given. As criteria for the quality of the operation of the system of automatic frequency-regulation the following are obtained. 1) The doubled mean quadratic deviation of frequency has to be less than ± 0.2 Hz (0.4°/o). 2) The sum of the occuring errors in the case of a stress-modification at a velocity of up to 1°/o min. must also be less than

Card 1/2

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