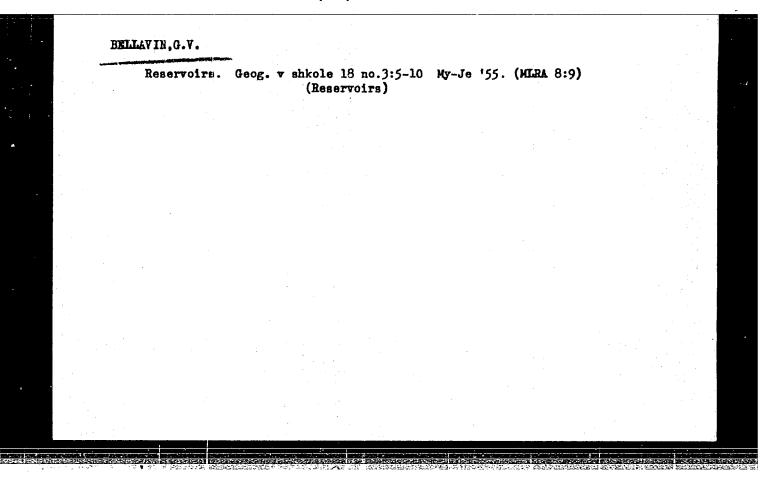
"The Influence of the Geographic Position of Water Supply Reservoirs on Their Ichthyofauna," report delivered at a meeting of the Dept. pf Physical Geography, Moscow Affil., AU Geographic Society. Iz. vses. Geog. Obshch. No.6, 1954



SOV/49-59-2-18/25

AUTHORS: Timofeyev, A. N., Bellavin, O. V.

TITLE: On the Gravimetric and Magnetometric Intersection of the Tagil -Magnitogorsk Sinclination in the Urals (O gravimetricheskom i magnitometricheskom peresechenii Tagil'sko-Magnitogorskogo sinklinoriya Urala)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 2, pp 311-315 (USSR)

ABSTRACT: Due to the linear distribution of the main geo-tectonic structure of the Urals, the geophysical investigations are greatly facilitated, which was shown by the positive results of the regional gravimetric and magnetometric work carried out in 1956 by the Urals Geological Institute Branch of the Academy of Sciences USSR in the rayon of N. Tagil. The determination of the gravity forces at a depth of 1 km was performed by the gravimeter CH-3 and the vertical components of the magnetic field with the magnetometer M-2. The anomalies of gravity were calculated with the Bouguer correction and the actual density of rocks were determined (Table on p 313 shows the number of observations and the density of 9

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SOV/49-59-2-18/25

On the Gravimetric and Magnetometric Intersection of the Tagil -Sinclination in the Urals Magnitogorsk

kinds of rock). The results are illustrated in Fig.1, where the anomalies of gravity and the geological anomalies crosssection of the N. Tagil rayon are shown in the top graph, while the geophysical cross-section is given in the lower diagram (1 - gabbro-amphibolite, 2 - compound formation of carbonsiliceous, mica-quartz, and silica-shale, 3 - gabbro, 4 effusive rocks, 5 - quartz and metamorphic layer, 6 pyroxenite, 7 - calculated anomaly of gravity, 8 - gneiss-hornblendite, 9 - diorite, 10 - anomaly of a gravity  $\Delta$  g with Bouguer reduction, as measured with a gravimeter, 11 -Ag Bouguer anomaly, pendulum determined, 12 - granitegneiss, 13 - serpentinite, 14 - horizontal gradient of the
gravity, Vzx, 15 - bearings, 16 - carbon-graphitous,
silica-quartzous and green shale, 17 - syenite, 18 anomaly of the vertical component AZ of the magnetic field).
The results of the calculation of the gravity force of the The results of the calculation of the gravity force of the upper half-space are shown in Fig 2, from which it can be seen that the local anomalies disappear at 10 km high. A similar calculation shows that the anomalies of the vertical component of the magnetic field, based on the observations of Card 2/3 previous years, do not reach 3 to 4 km high. Also, they

SOV/49-59-2-18/25

On the Gravimetric and Magnetometric Intersection of the Tagil
Magnitogorsk Sinclination in the Urals

cannot be relied upon when the deep rooted rocks are investigated, due to the reflection of a part of the magnetic field. The analysis of the data obtained from the experiments shows that the Tagil-Magnitcgorsk sinclination is characterized by the positiv anomalies which reflect the geological structure sufficiently accurately. The most precise results were obtained for the gabbro-peridotite formations protruding on to the surface. In general, the local investigations of gravitational anomalies of the Urals could contribute to the full determination of their structure. There are 2 figures, 1 table and 2 Scviet references.

ASSOCIATION: Akademiya nauk SSSR, Gorno-geologicheskiy institut (Mining-Geological Institute, Academy of Sciences USSR)

SUBMITTED: December 12, 1957.

Card 3/3

BELLAVIN, O.V.

Some problems of the geology of the Sverdlovsk synclinorium based on gravimetry data. Trudy Inst.geofiz.UFAN SSSR no.3:25-30 '65.

Using geophysical prospecting methods in the geological study of mica-bearing regions in the Urals. Ibid.:35-41 (MIRA 18:8)

BELLAVINA, I.A. (Sverdlovsk 55, Vostochnaya ul., d.166-a, kv.55)

Use of cuffs from corron tissue and cellulose filter or film for the isolation of an injured tendon; experimental study. Ortop., travm. i protez. 26 no.1:48-52 Ja '65.

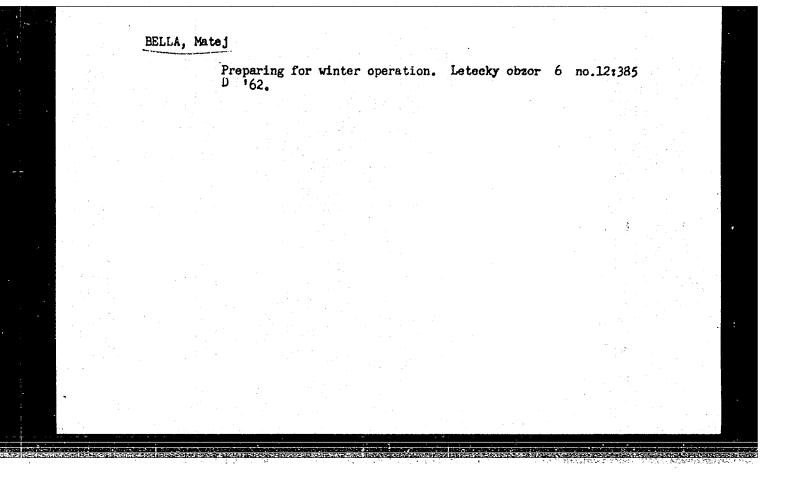
(MIRA 18:5)

'z kliniki gospital'noy khirurgii (zav. - chlen-korrespondent AMN SSSR prof. A.T. Lidskiy) lechebnogo fakul'teta Sverdlovskogo meditsinskogo instituta.

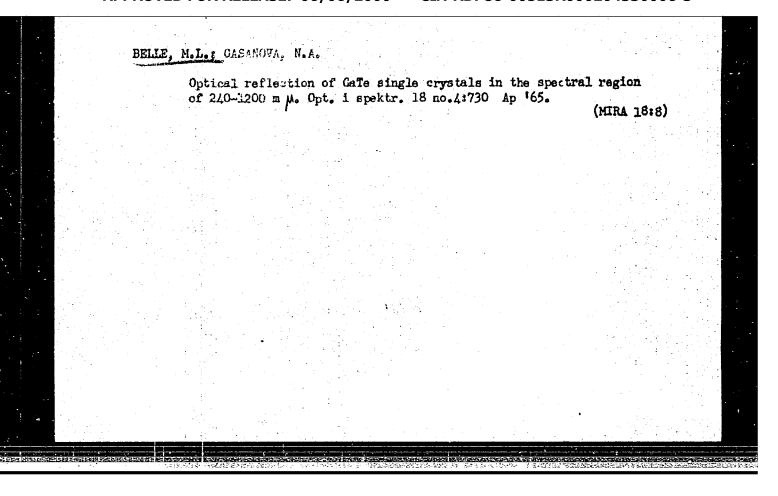
BELLAVINA, I.A. (Sverdlovsk 55, Vostochnaya ul., d.166-a, kv.55)

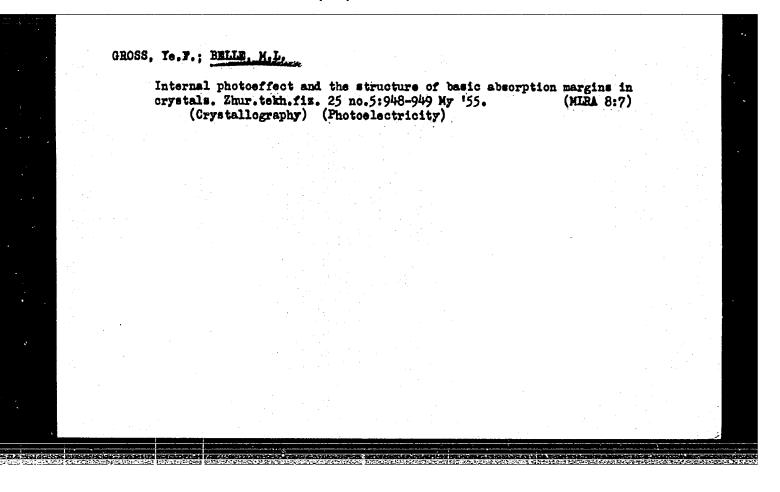
Bone grafting with buried lamellar transplant in the treatment of fractures of the tubular bones. Ortop., travm. i protez. 26 no.2:64 F 165. (MIRA 18:5)

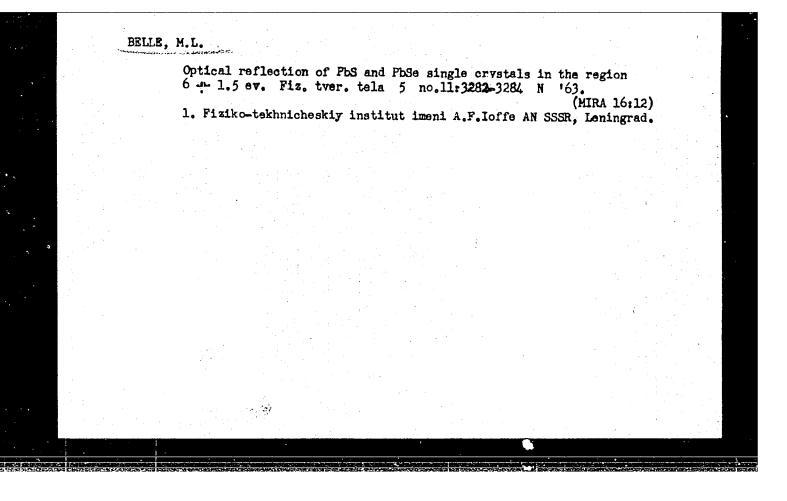
1. Iz kliniki gospital'noy khirurgii lechebnogo fakul'teta (zav. kafedroy - chlen-korrespondent AMN SSSR prof. A.T.Lidskiy) Sverdlov-skogo meditsinskogo instituta.



	Optical reflection of Pbds, Pbds, and their sound not beer, telm 7 no.2:606.609 F 165.	S.T. Erry	s. Pis. (MTRA 38:8)	
	1. Fiziko-tekhnicheskiy institut imeni A.F. Roff's AN o	MR,	Leningrad.	
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EWT (1)/ENT (m)/EPF(c)/EMG(m)/EEC(t)/EMP(t)/EMP(b) IJP(c) s/0181/65/007/002/06(6/0609 ACCESSION NR: AP5005307 RDW/JD/WW/GG AUTHOR: Belle, M. L. TITLE: Optical reflection of PoSe, PoTe, and the series of their solid solutions SOURCE: Fizika tverdogo tela, v. 7, no. 2, 1965, 606-609 TOFIC TACE: lead compound, solid solution, optical reflection, reflection spectrum, ABCTRACT: The purpose of the investigation was to clarify the character of the saif, of the main maxima of the reflection spectrum of the single crystals PbSe and Thir, and the series of solid solutions of these crystals (PbSexTelex), with artation of the percentage composition of the components. In attempt was also made to analyze is greater detail the available date on these reflection spectra in when if most recent information on the structure of the energy bands of the crystalls if this group. The method of obtaining the solid solutions was that of Ye. I. levagine and N. Mr. Awikosov (DAN SSSR v. 111, 303, 1941). The reflections were ... La pare energosas and surfaces of the solid solutions, and also

Card 1/2

L 38613-65

ACCESSION NR: AP5005307

author earlier (FTT v. 5, 3282, 1963). The results have shown that one of the maxima has a shift which is not monotonic. To explain this phenomenon, it is proposed that the symmetry of the transition has charge for some intermediate solid of the mean x = 0.0 A similar effect was observed in others in solid solution of germanium and silicon, and can be interpreted in analogy with those solid of the consultant for althoughts the depth symmetry. The level of Expressive and the consultant of the results, and to be formally as the results, and to be formally for the results, and to be formally for the results.

Urig. art. nas: j figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Iorre AN SSSR, Leningrad (Physicotechnical Institute, AN SESR)

SUBMITTED: 03Aug64

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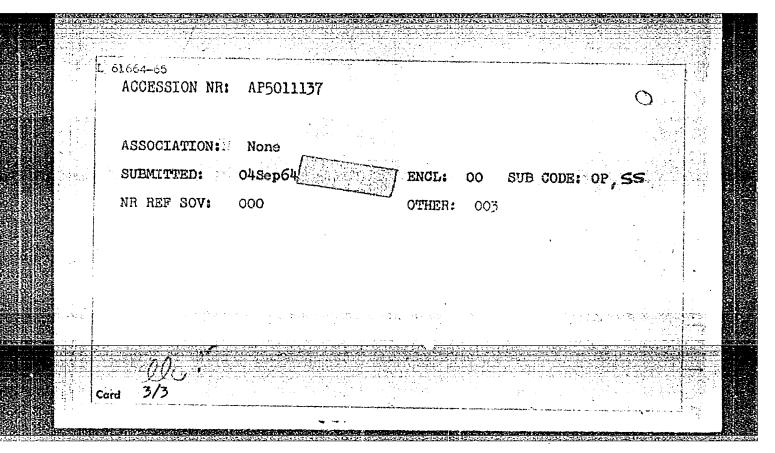
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	L 61664-65 ENT(1)/ENT(m)/ENG(m)/I/ENP(t)/EEC(b)-2/ENP(b)/ENA(c) P1-4 IJP(c) ACCESSION NR: AP5011137 REM/JD/GG UR/0051/65/018/CU4/0730/0730	
	AUTHORS: Belle, M. L.; Gasanova, N. A.	
	The Continued control Economic Statement is	
	TITLE: Optical reflection from GaTe single crystals/in the 2401200 nm region 7 7	
	SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 730	
	TOPIC TAGS: optical reflection, single crystal gallium telluride	
	TOPIC TAGS: optical reflection, single crystal, gallium telluride, absorption spectrum, reflection spectrum, fine structure, inter-	
	band transition	
<b>1</b>	ABSTRACT: The authors investigated the optical reflection from	
	single crystals of GaTe in the ultraviolet, visible, and near	
	infrared regions. The reflection was measured because the ab-	
	sorption spectrum of single-crystal samples by transmission tech- niques calls for the preparation of extremely thin samples, which	
j	is quite difficult. The measurements were made with an NS-4	
1	spectrophotometer with quartz optics. A method of twofold re-	
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L 61664-65 ACCESSION NR: AP5011137

flection was used to bring out the assumed structure of the spectrum. The reflection coefficient was measured from a natural (cleaved) surface, using the p-component of polarization of the incident radiation. The principal reflection maximum was found at 385 nm, with another reflection peak observed at 290 nm. The reflection in the visible region at the absorption edge has the usual dispersion form, indicating that the refractive index is much larger than 1. The finer details of the reflection spectrum were observed by making the measurements at liquid nitrogen tem-Comparison of the data obtained and reflection with the existing data on optical absorption shows that the drop in the reflection band corresponds to the maximum of the absorption line observed at the edge of natural absorption. Since the structure of the energy bands of GaTe has not yet been investigated, it is impossible to relate the observed structure of reflection spectrum with any specific transitions between bands. Original article has: 1 figure.

Cord 2/3



EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/GG L 6509-66 AP5019425 UR/0020/65/163/003/0606/0608 ACCESSION NR: 14. 15 AUTHOR: Belle, M. L.; Valov, Yu. A.; Goryunova, A. N.; Zlatkin, L. B.; Imenkov, A. N.; Kozlov, M. M.; Tsarenkov, B. V. TITLE: Optical and photoelectric properties of single-crystal ZnSiP2 Source: An SSSR. Doklady, v. 163, no. 3, 1965, 606-608 TOPIC TAGS: optical property, photoelectric property, zinc compound optic material, forbidden band, light polarization, absorption edge, temperature dependence ABSTRACT: In view of the lack of published data on this compound, the authors have studied the photoelectric and optical properties of n-type single crystals ottained from the gas phase by the method of gas-transport reactions. The spectral sensitivity of the photoconductivity was measured at 77 and 300K using a setup comprising a tungsten incandescent lamp, a light interrupter, a monochromator (IKS-21), amplifier (V2-6), synchronous detector, and electronic potentiometer (EPP-09). The absorption spectrum was measured with the spectrograph and a camera at 300, 77, and 4.2K. In addition, the authors investigated the influence of polarization of the incident light on both the optical and photoelectrical properties. Photoconductivity was observed at incident photon energies 0.5--2.5 ev. At 300K the photoconductivity has a highly peaked maximum at 2.14 ev, and also maxima at 0.8 and 1.0 Card 1/2

L 6509-66 ACCESSION NR:

ev, attributed to impurities. At 77K the maxima shift to 2.19, 1.04, and 0.84 respectively. The spectral photoconductivity curve exhibited also some kinks due to transitions of the electrons from the valence to the conduction band. Polarization began to affect the photoconductivity only above 2 ev, when the photoconductivity became highly sensitive to the direction of the electric vector. This may be due to anisotropy of the crystal. Not all crystals showed a sharp absorption edge, a fact attributed to the number of crystal defects. Where a sharp absorption edge was observed, it showed a dependence on the temperature and on the polarization. The maxima of the photoconductivity and the start of the strong optical absorption were very close to each other, and the sharpness of the absorption edge suggests the presence of direct interband transitions in ZnSiP2. The forbidden band is estimated at 2.13 ev at 300K and between 2.2 and 2.25 ev at 77K. Two absorption bands are observed at 2.23 and 2.27 ev at 77 and 4.2K, and their origin is not clear. This report was presented by L. A. Artsimovich. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Toffe Akademii nauk SSSR

(Physicotechnical Institute, Academy of Sciences SSSR) W.

SUBMITTED: 17Nov64

00 ENCL:

SUB CODE: OP, SS

NR REF SOV: 002

001 OTHER:

Card 2/2

L 01050-67 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6030961

SOURCE CODE: UR/0181/66/008/009/2623/2627

52

AUTHOR: Belle, M. L.; Alferov, Zh. I.; Grigor'yeva, V. S.; Kradinova, L. V.; Prochukhan, V. D.

ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad (Fizikotekhnicheskoy institut AN SSSR)

TITLE: Optical reflection of gallium phosphide and gallium arsenide and their solid solutions 6 27 27 27

SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2623-2627

TOPIC TAGS: gallium arsenide, gallium, optical reflection, gallium phosphide, doublet structure, ultraviolet region structure, spin orbital, splitting

ABSTRACT: An analysis is made of the optical reflection of GaP, GaAs, and their solid solutions in the 2.0—5.0 ev region at 100 and 290K. A doublet structure was detected in the ultraviolet region of the spectrum, which shifts linearly with changes in composition. Satisfactory agreement in the distance between double components and corresponding values, determined from infrared absorption, make it possible to ascribe this doublet to the spin-orbital splitting of the [A] valency band at the

Card 1/2

L 01050-67 ACC NR: AP6030961 point, the corresponding transition in this case being  $\Gamma_{15} \rightarrow \Gamma_{15} \left( E_d^* \right)$ -- the transition from the upper valency band to the second conductivity band. For GaAs we then have  $E_0 = 4.46$  ev,  $\Delta_0 = 0.32$  ev, and for GaP,  $E_0 = 4.68$ ev (T = 290K). The shift in the doublet  $\Lambda_3 \rightarrow \Lambda_1$ occurs linearly with a break. The doublet structure, which becomes less distinct as the content of GaP increases, is observed as far as the composition GaP<sub>0.7</sub>As<sub>0.3</sub>. Apparently, corresponding transitions occur at various points of the Abranch for GaP and GaAs (direction [111] in the Brillouin zone). The author thanks Ye. F. Gross for his interest in this work. Orig. art. has: 1 table, and 3 figures. [Authors' abstract] SUB CODE: 20/ SUBM DATE: 17Jan66/ ORIG REF: 001/OTH REF: 009/ Card 2/2

EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) AT/JD/JG ACC NR: AP6018558 SOURCE CODE: UR/0181/66/008/006/1903 AUTHOR: Belle, M. L. ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fizikotekhnicheskiy institut AN SSSR) TITIE: Influence of temperature and alloying on the conduction-band edge for certain semiconductors of the AIIIBV group (n-type) SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1903-1906 TOPIC TAGS: semiconductor conductivity, temperature dependence, spin orbit interaction, conduction band, valence band, Brillouin zone, forbidden band, exciton, impurity level ABSTRACT: The authors investigated the influence of the temperature and alloying on the position and form of the reflection doublet  $\Lambda_3$  +  $\Lambda_1$ , corresponding to the transition between the split spin-orbit interaction of the valence band and the conduction band in the [111] direction of the Brillouin zone in InAs and GaAs n-type crystals. The various crystals had different impurity densities and different types of impurities. The measurements were made at 100 and 290K. The results show that with increasing impurity concentration, the doublet as a whole shifts toward smaller energies, thus evidencing a narrowing of the forbidden band. For the most strongly doped samples, the shift amounted to ~0.025 ev for InAs and ~0.06 ev for GaAs. A similar shift was observed earlier for InSb, Ge, and Si. In the case of InAs it is observed that in the investigated region of concentrations there is no isolated impurity level near the minimum of the conduction band, in spite of the fact that theory at first glance might 1/2

L 38891-66				•		•		
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call for the presence of such a level. The absence of the impurity level is attributed to a large Debye screening and to the finite probability of the transition of the electron from such a level to a lower minimum of the conduction band. The values of the spin-orbit splitting were found to be 0.22 ± 0.01 and 0.27 ± 0.01 ev for GaAs and InAs respectively. The asymmetrical form of the reflection bands, appearing at 100K, indicate that exciton states may exist near the L-minimum of the conduction band. The vanishing of the asymmetry with increasing degree of doping makes it possible to estimate the value of the binding energy of the L-exciton at approximately 0.08 ev for InAs and 0.05 ev in the case of GaAs. The author thanks Ye. F. Gross for interest in the work and M. I. Klinger for help in the discussion of the results. Orig. art. has: 4 figures.						of and OK, The		
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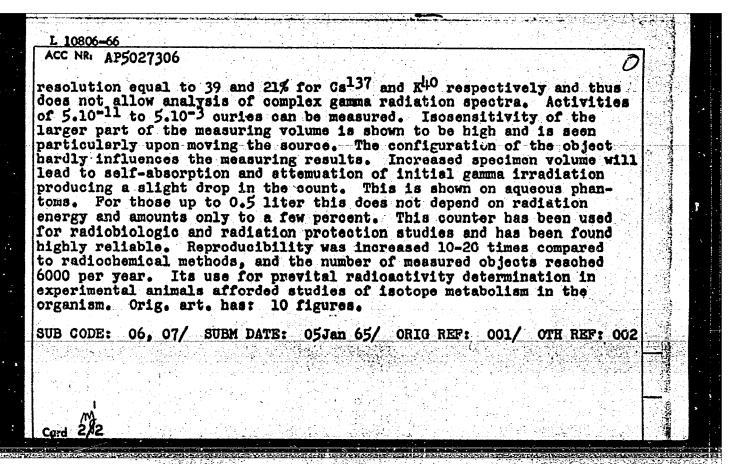
Calculating the amplification factor of a sound wave falling obliquely on a parabolic mirror. Akust.zhur. 8 no.3:273-280 '62.

1. Akusticheskiy institut AN SSSR, Moskva.

(Sound waves)

UB/0241/65/010/010/0067/0073 SOURCE CODE: AUTHOR: Belle, Yr. S.; Kostikov, Yu. I.; Shemov, V. ORG: Lenigrad Scientific Research Institute of Radiation Hygiene, Ministry of Health, RSFSR Leningradskiy Nauchno-issledovate skiy institut radiatsionnoy gigieny Ministerstva zdravookhraneniya RSFSR) TITLE: Radiometic properties of the large liquid scintillation counter BZbSS-1 SOURCE: Meditsinskaya radiologiya, v. 10, no. 10, 1965, 67-73 TOPIC TAGS: scintillation counter, gamma counter, scintillation spactrometer, radiation instrument, radiobiologic instrumentation, experiment animel/BzhSS-1, scintillation counter ABSTRACT: The article describes the counter and illustrates it in a figure. Its hydimension and large measuring volume permits considerable amplification of the criterion of radiometric quality,

n2/n background. It is particularly suitable for measuring low gamma
radiation in experimental animals up to a large rabbit and other objects of similar size. A procedure for finding the optimal differential registration channel is given. The instrument has spectrometric semi-612.014.482:621.387.4 UDC: Card 1/2



ACC NR: AP6013490

UR/0120/66/000/002/0041/0043

AUTHOR: Belle, Yu.S.; Shchedrin, D.A.; Zlobin, L.I.

ORG: NII of Radiation Hygiene, Leningrad (NII radiatsionnoy gigiyeny)

TITLE: Dependence of gamma spectrometer resolving power upon the nonuniformity of the photocathode sensitivity, and choice of the spectrometric regime for the photomultiplier FEU-43

SOURCE: Pribory i tekhnika eksperimenta, no.2, 1966, 41-43

TOPIC TAGS: gamma spectrometer, gamma spectrometer resolving power, photocathode, photomultiplier / FFU-43 photomultiplier, photomultiplier adjustment method, multichannel analyser / AMA-4S multichannel analyzer

ABSTRACT: A technique for the measurement of the photoelectric sensitivity distribution on the surface of the photocathode, and an optimum adjustment method for the photoelectric multiplier FEU-43, forming part of a gamma ray spectrometer system is discussed. A NaI(T1) miniature crystal illuminator is arranged to scan the photosensitive surface of the photocathode while illuminating it by light flashes generated by alpha particles from Pu<sup>239</sup>. A histogram of sensitivity values is obtained by sorting the photocathode output voltages using a multichannel analyser, the AMA-4S. The histogram can be influenced by adjusting the divider regime of the FEU-43. It was found that the

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UDC: 621.383.533

ACC NR: AP6013490			
optimum resolving regime amplitude of the impulse tion is substantiated by ble.	in the area of least	photoelectric sensit	ivity. This proposi-

SUB CODE: 20,09/ SUBM DATE: 28Dec64/ ORIG REF: 003/ OTH REF: 001

Card 2/2

BELLE, Yu.S.; KOSTIKOV, Yu.I.; SHAMOV, V.P.; SHAPIRO, E.L.

Radiometric properties of the Large Large counter BZhSS-1. Med. rad. 10 no.10:67-73 0 '65. (MIRA 18:12) Radiometric properties of the large liquid scintillation

l. Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny Ministerstva zdravookhraneniya RSFSR. Submitted January 5, 1965.

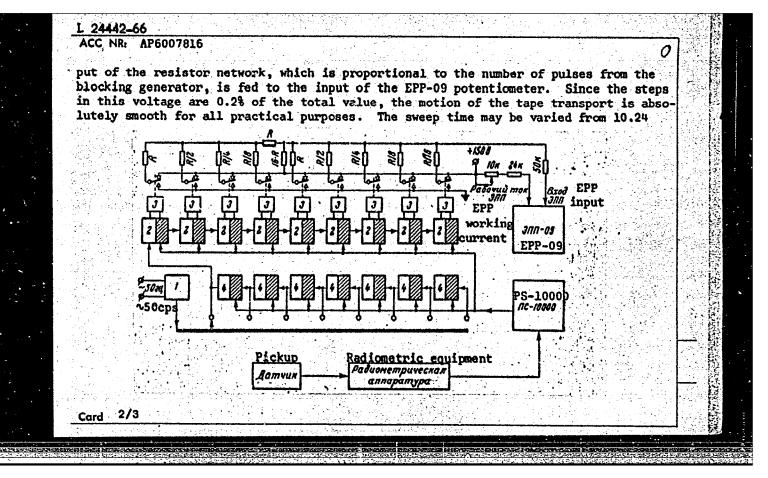
SPIRIN, V.D.; BELLE, Yu.S.; CFIMINA, V.F.

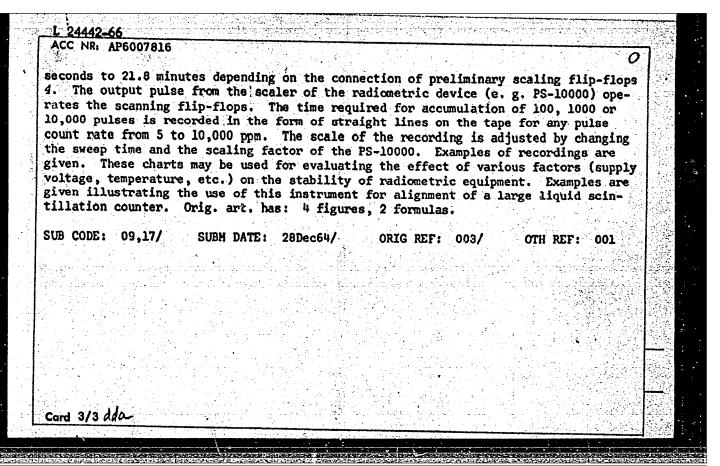
Measuring the radon concentration in water by 7-radiation.

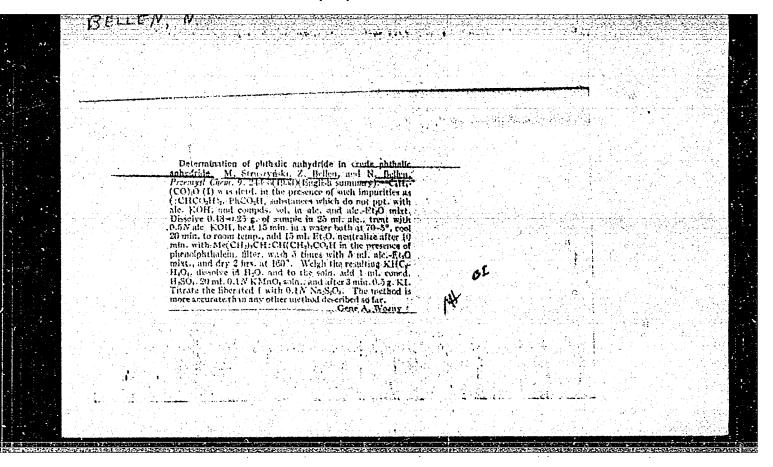
Med. rad. 10 no. 12:11-13 D \*65 (MIRA 19:1)

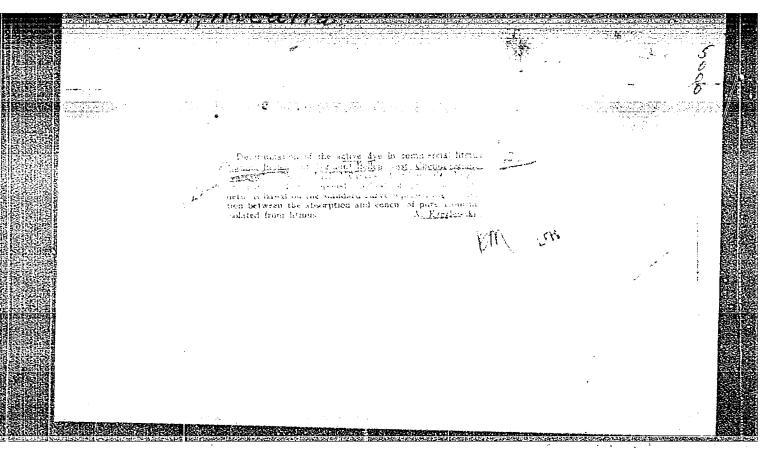
1. Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny.

L 24442-66 ENT(m)/EWA(h) ACC NR: AP6007816 SOURCE CODE: UR/0120/66/000/001/0094/0097 AUTHOR: Belle, Yu. S. ORG: Leningrad Scientific Research Institute of Radiation Hygiene (Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy giglyeny) TITLE: A method for determining the stability of radiometric instruments SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1966, 94-97 TOPIC TAGS: radiometry, potentiometer, multichannel analyzer ABSTRACT: The author describes an installation which uses an EPP-09 potentiometer for automatically recording the successive times necessary for accumulation of a given number of pulses in the form of a diagram which gives a graphic means for judging the stability of radiometric equipment. The recording instrument is based on a device similar to the converter in the AMA-45 multichannel analyzer (see figure). Pulses from blocking generator 1 are fed to a nine-digit converter register consisting of flip-flops 2 with RP-64 relay windings 3 connected in the anode circuits. These relays are used for switching resistors with values which follow a binary law with a high degree of accuracy (0.1%). These resistors are separated into two groups which are interconnected in such a way that the voltage from the left group is attenuated by a factor of 2" before reaching the output of the system. The voltage from the out-UDC: 539.16.08 **Card** 1/3









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POLAND/Chemical Technology. Chemical Products and Their Applications. Industrial Organic Synthesis.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20398

Author : Bellen, Natalia

Inst:

Title : Determination of p-Acetylaminobenzenesulfonyl Chloride in a Technical Product.

Orig Pub : Chem. analit., 1957, 2, No 5, 463-465

Abstract: A description of methods for determining p-ClO<sub>2</sub>SC<sub>6</sub>H<sub>4</sub>NHCOCH<sub>3</sub> (I) in a technical product is absent in the literature. A method was developed, based on a method for determining pure sulfochlorides (II) (Drahowzal, F., Klamann, D., Monatshft. f. Chemie, 1951,

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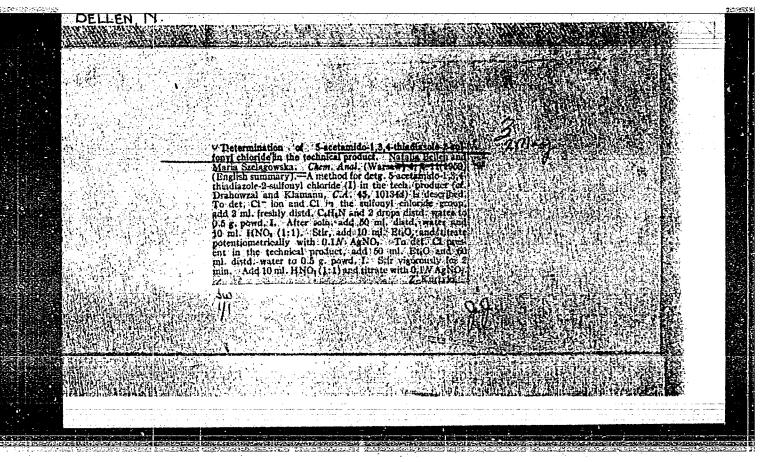
POLAND/Chemical Technology. Chemical Products and Their Applications. Industrial Organic Synthosis.

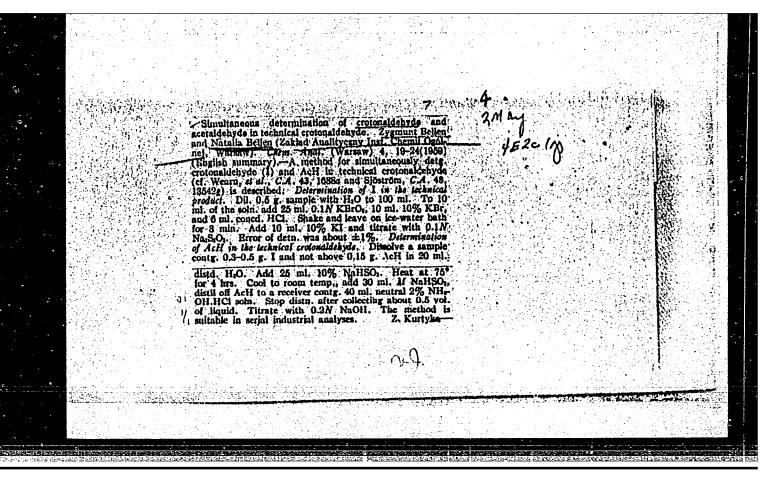
Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20398

The contents are mixed well; after the sample dissolves, 50 ml of distilles water are added, mixed again, 10 ml of NHO<sub>3</sub> (1:1) are added and 25 ml of 0.1 n AgNO<sub>3</sub> are titrated out. After the addition of 10 ml (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O and 1 ml of a saturated solution of Fe(NH<sub>4</sub>)(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O (IV), a solution of o.1 n is titrated out by a solution of NH<sub>4</sub>SCN before the first change of color. In case of difficulty in reading, a potentiometric titration is used. To determine Cl·, 0.5 g of a sample is weighed, 50 ml of (C<sub>2</sub>H<sub>5</sub>)O is added, mixed well, 50 ml of

Card : 3/4

H-66





### BELLEN, Natalia; BELLEN, Zygmunt

Determination of ammonia in the presence of volatile amines. Chem anal 5 no.3:461-469 60. (REAI 10:8)

 Zaklad Analityczny im. M. Struszynskiego, Instytut Chemii Ogolnej, Warszawa. (Ammonia) (Amines)

	Determination of primary and secondary aliphatic amines by their condensation with carbon disulfide. Chem anal 6 no.1:63-67 <sup>1</sup> 61. (EEAI 10:7)				
•		1. Struszynski An Warsaw.	alytical Labo	ratory, Institute of	General Chemistry,
		(Aliphatic	compounds)	(Carbon disulfide)	(Amines)

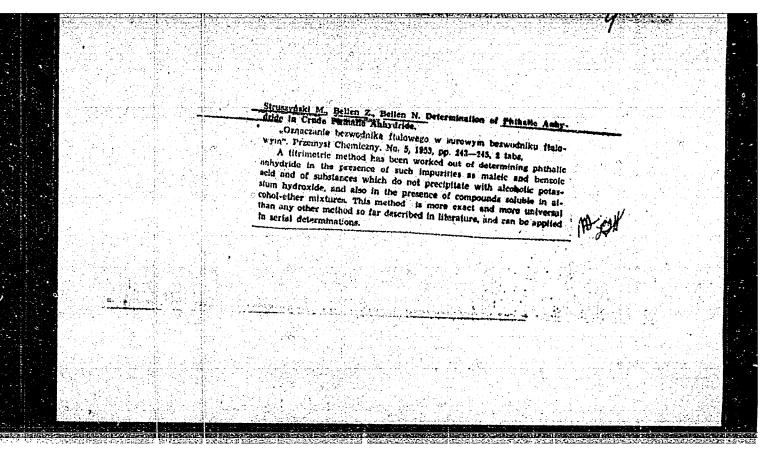
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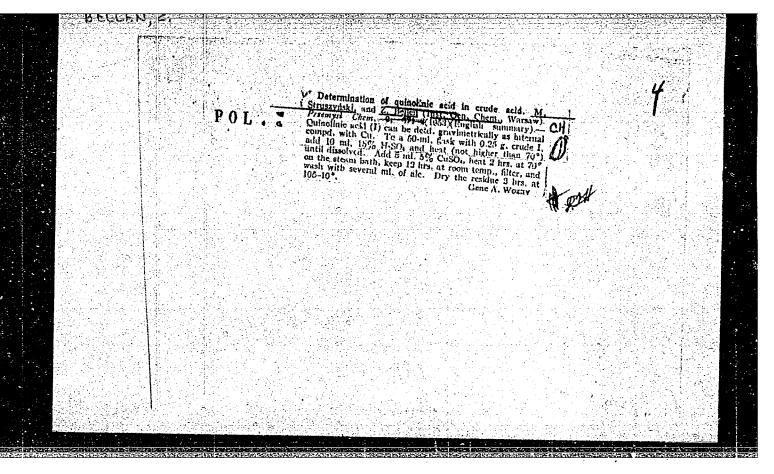
BELLEN, Natalia; BELLEN, Zygmunt; LADA, Zygmunt.

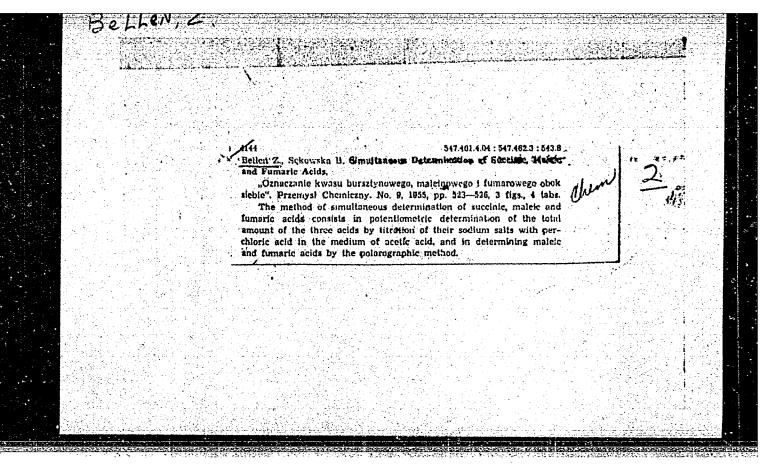
Department of Analytical Chemistry, Institute of General Chemistry (Zaklad Analityczny im. M. Struszynskiego, Instytut Chemii Ogolnej), Warsaw - (for all).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1205-1209.

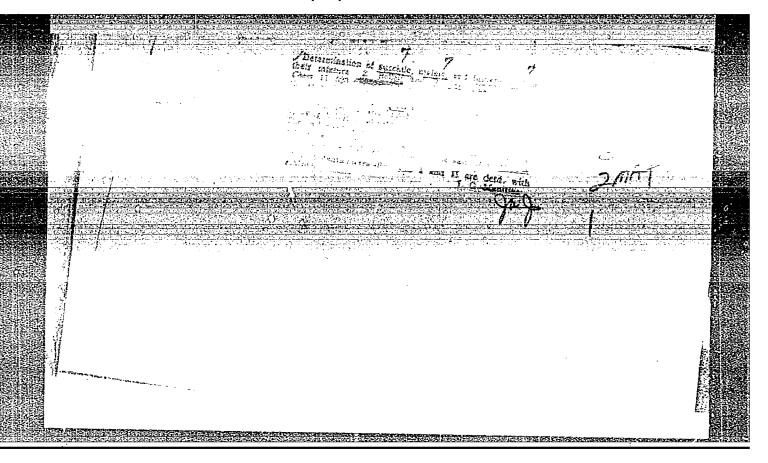
"The control of the ethylenediamine production. Part 2: Determination of ammonia in presence of ethylenediamine and polyethyleneamines."

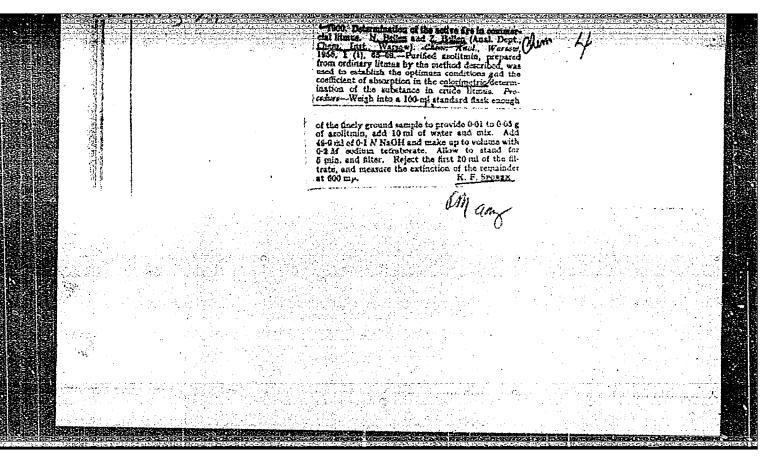


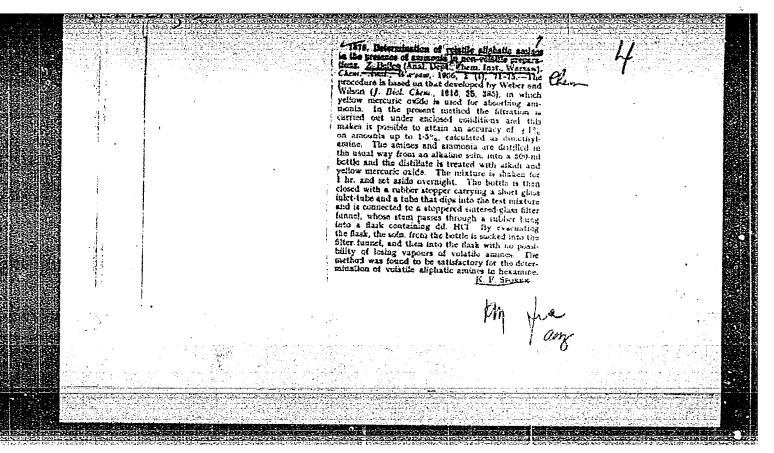




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BELLEN,

POLAND / Analytical Chemistry. Analysis of Organic Substances.

E-3

: Rof Zhur - Khim., No 7, 1958, No 21238

Abs Jour

: Bollon, Krochkovskeye

**Author** Inst

Title

Dotormination of 2-/di-(N-rectylsulfanilyl)/-rminothirzolo

in a Technical Product.

Orig Pub

i Chom. anclit., 1956, 1, No. 4, 320-330

Mostrect

: A volumetric method was developed for the determination of 2-/di-(N-ccetylsulfenilyl)/-eminothiczole, so called prontil (I) besed on potentiometric titration with an NaOH acetylsulfathiczcle (II) solution, forming on the heating of I with NHz. The best results are obtained on titration of an rquoous solution of NcOH of the test semplo, dissolved in c mixture of coetone and water (4:1), with the application of HgCl- and Sb-electrodes. The determination of an equivalent

Cord 1/2

POLAND/Analytical Chemistry. Analysis of Organic Compounds.

E

Abs Jour; Ref Zhur-Khimiya, No 21, 1958, 70631.

Author : Bellen, Senkovskaya.

Inst

Title : T

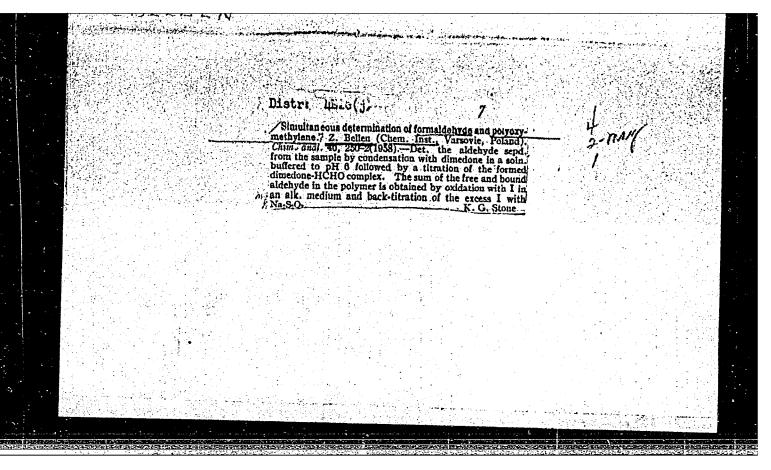
: The Determination of the Diethylester of Monoethylmalonic Acid and the Diethylester of Diethylmalonic Acid in Technical Diethylester of Diethylmalonic Acid in the Presence of Each Other.

Orig Pub: Chem anal., 1957, 2, No 1, 35-43.

Abstract: A method was developed for the determination of diethyl esters of malonic (I), monoethyl malonic (II), and diethyl malonic acid (III) in technical III. Three determinations are given (separate sample weights of the test substance): 1) a volu-

Card : 1/2

18

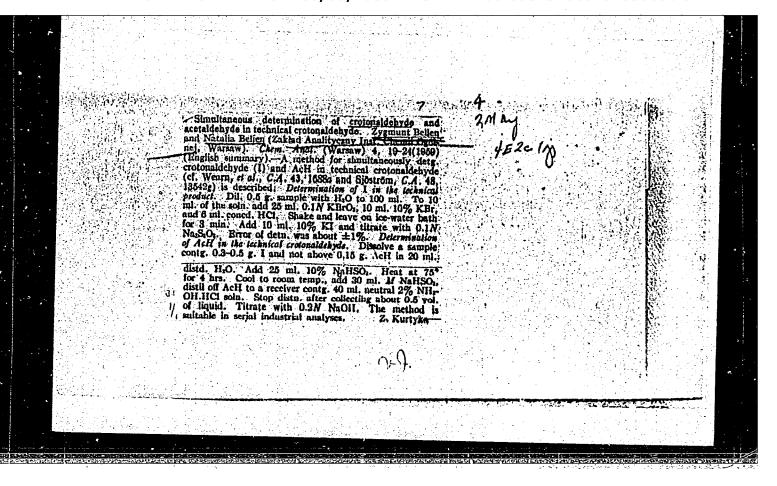


# BELLEN, Z.

Simultaneous determination of formaldehyde and paraformaldehyde. p. 13.

CHAMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organicacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, August 1959. Uncl.



# BELLEN, Z.; SEKOWSKA, B.

Determination of aldehydes by the argentometric method. 1. Determination of formaldehyde in technical urotropine. p. 25.

CHAMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organicacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, August 1959. Uncl.

BELLEN, Z.; SZELAGOWSKA, M.

Analytic checking of 2-sulfonamide-5 acetylamine-1,3,4-thiadiazol synthesis.p.29.

CHAMIA ANALITYCZNA. (Komisja Analityczma Polskiej Akademii Nauk i Naczelna Organicacja Techniczna) Warszawa, Poland. Vol. 4, No. 1/2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, August 1959. Uncl.

# Methods of determining aldehydes with thehelp of exidation by silver (I) exide. Chem anal 4 no.4:675-683 '59. (ERAI 9:6)

la Zaklad Analityczny Instytuty Chautt Ocelus I Monarch

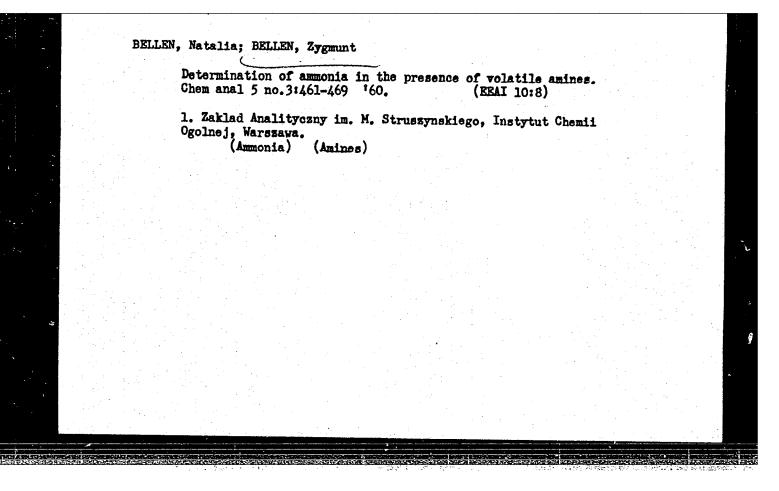
1. Zaklad Analityczny Instytutu Chemii Ogolnej, Warszawa.
(Aldehydes) (Oxidation) (Silver oxides)

# ACHMATOWICZ, Osman; BELLEN, Zygmunt

On the steroidal constituents of nuphar luteum. Rocz chemii 34 no.1:93-102 160. (REAI 10:9)

1. Department of Organic Chemistry, University, Warsaw and Organic Chemistry Laboratory, Polish Academy of Science, Warsaw.

(Steroids) (Nupher)



# Determination of primary and secondary aliphatic amines by their condensation with carbon disulfide. Chem anal 6 no.1:63-67 '61. (EEAI 10:7) 1. Struszynski Analytical Laboratory, Institute of General Chemistry, Warsaw. (Aliphatic compounds) (Carbon disulfide) (Amines)

# BELLEN, Zygmunt; SEKOWSKA, Barbara

Simultaneous determination of acetaldehyde and paraldehyde. Chem anal 6 no.1:69-74 161. (EEAI 10:7)

1. Struszynski Analytical Laboratory, Institute of General Chemistry, Warsaw.

(Acetaldehyde) (Paraldehyde)

# BELLEN, Zygmunt; KOCHEL, Irena

Determination of small amounts of acetaldehyde in some organic solvents. Chem anal 6 no.2:195-199 61. (EEAI 10:9)

1. Struszynski Analytical Department, Institute of General Chemistry, Warsaw.

(Acetaldehyde) (Solvents) (Organic compounds)

	BELLEN, Zygmunt; SEKOWSKA, Barbera					
	Argentometric determination of acetaldehyde in the presence of acetone. Chem anal 6 no.2:201-206 '61. (EEAI 10:9)					
	1. Struszynski Analytical Department, Institute of General Chemistry, Warsaw.					
	(Acetaldehyde) (Acetone) (Argentometry)					
	encencentario de la compación					

# Polarographic determination of terephthalic acid and its potassium salts in the presence of phthalic, toluic, and benzoic acids and their potassium salts. Chem anal 8 no.3: 411-413 163.

1. M. Struszynski Analytical Laboratory, Institute of General Chemistry, Warsaw.

# ACHMATOWICZ, Osmen; BELLEN, Zygmunt Alkaloids of Nuphar luteum (1.) SM. Pt.2. Rocz chemii 36 no.12:1815-1825 \*63. 1. Department of Organic Chemistry, University, Warsaw, and Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw.

# Bellen, Zygmunt

POLAND

BELLEN, Natalia; BELLEN, Zygment; LADA, Zygment.

Department of Analytical Chemistry, Institute of General Chemistry (Zaklad Analitycsmy in. H. Strusmynskiege, Instytut Chemii Ogolnej), Yarmaw - (for all).

Versey, Chemia analityenne, No 6, November-December 1965, pp 1205-1209.

"The control of the othylenediamine production. Part 2: Determination of assense in presence of othylenediamine and polyethyleneanines."

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204330006-3"

POLAND

BELLES, Hatalia, mgp; BELLES, Zygmmt, dr; LADA, Zygmmt, mgr ins.

Analytical Department, M.Strussynski Ind itute of General Chemistry (Zekled Analityczny im. M.Strussynskiego Insbytutu Chemii Ogolnej), Warsaw - (for all)

Warsaw, Chemia analitypana, Be 2, Harch-April 1966, pp 273-278

"The control of othylenediamine production. Part 5: Semimicro method of determination of othylendiamine, disthylenetriamine, tractlylenetramine in a mixture."

# BELLENDIR, R. N.

Changes in the vascularization of the bone during streptomycin therapy and surgical treatment of tuberculous osteitis in an experiment. Ortop., travm. i protez. no.3:48-52 '62.

(MIRA 15:6)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta khirurgicheskogo tuberkuleza (dir. - prof. D. K. Khokhlov, nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. P. G. Kornev). Adres avtora: Leningrad K-21, Institutskaya, d. 6, Leningradskiy institut khirurgicheskogo tuberkuleza i kostno-sustavnykh zabolevaniy.



# BELLENDIR, E. N., aspirant

Changes in vascularization in experimental osteoarticular tuberculosis. Probl. tub. 40 no.4:76-83 '62. (MIRA 15:6)

1. Iz Leningradskogo nauchno-issledovatel skogo instituta khirurgicheskogo tuberkuleza (dir. - prof. D. K. Khokhlov), nauchnyy rukovoditel - deystvitel nyy chlen AMN SSSR prof. P. G. Kornev.

(BONES\_TUBERCULOSIS) (JOINTS\_TUBERCULOSIS)

Bellender, E.N., kend.med.nauk (Leningrad K.156, Sretlancvskaya ul. d.5)

Bone grafting to fill the postoperative cavity in Albright's syndrome. Ortop., travm. i protez. 25 no.12x61 0 '64.

1. Iz Leningradshago instituta khirura sheskogo tuberkuleza (direktor = prot. D.K.Khokhlov; nauchnyy rukovoditel' = deystvitel'nyy chlen AMN SSGR prof.P.G.Kornev). Submitted January 10, 1964.

BELLENDIR, E.N., kand.med.nauk (Leningrad K-220, Grazhdanskiy prospekt, d.15, korpus 8, kv.189)

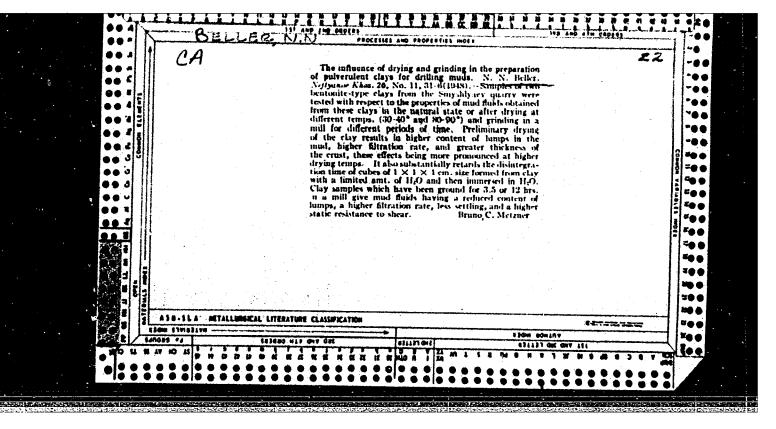
Characteristics of the revascularization of spongious bone auto— and homotransplants. Ortop., travm. i protex. 26 no.12:41-47 D 165.

(MIRA 19:1)

1. Iz Leningradskogo instituta khirurgicheskogo tuberkuleza

(direktor - prof.D.K.Khokhlov; nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof.P.G.Kornev). Submitted August 30,

1965.

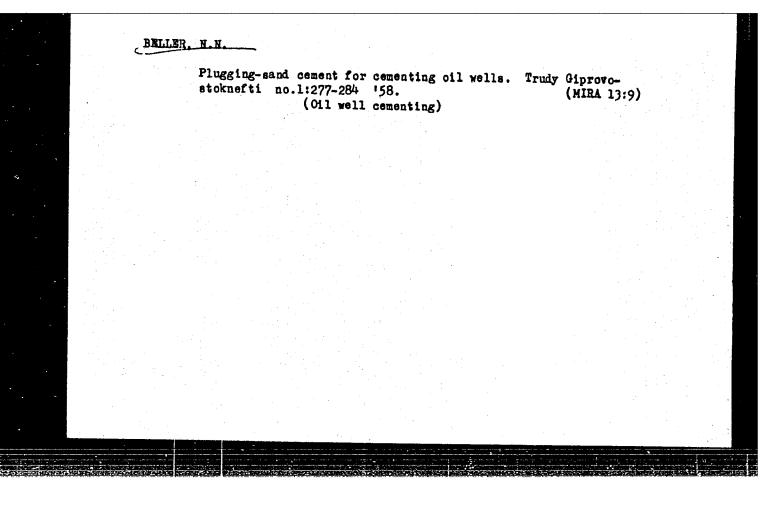


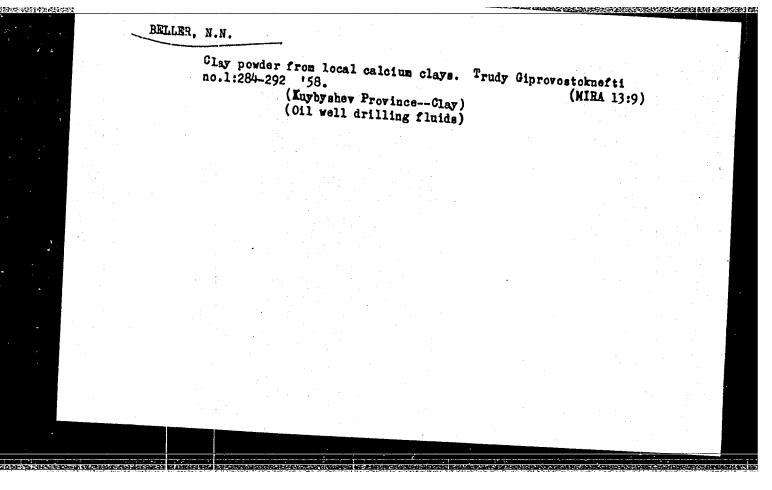
BEILER, II. N., Engr

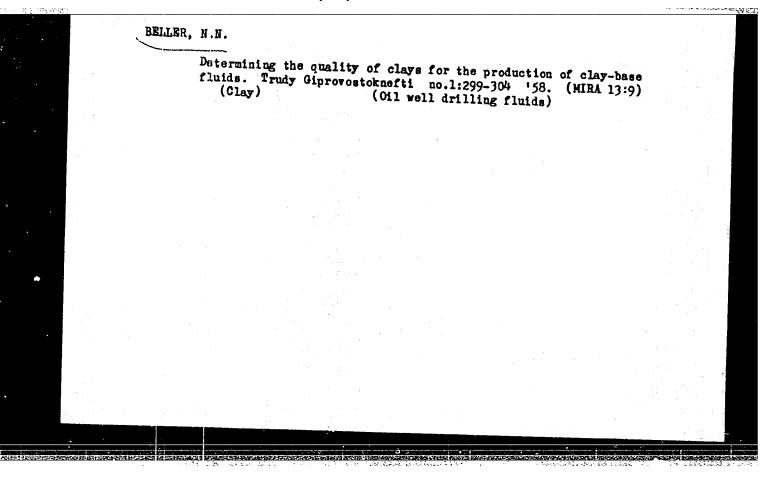
"The Development of the Techniques of Preparing and Utilizing Drilling Muds in Devonian Formations Under the Complex Conditions of the Eastern Oil Fields." Cand Tech Sci. Moscow (Order of the Labor Red Banner) Petroleum Inst imeni I. M. Gukbin, 23 Nov 54. (VM, 15 Nov 54)

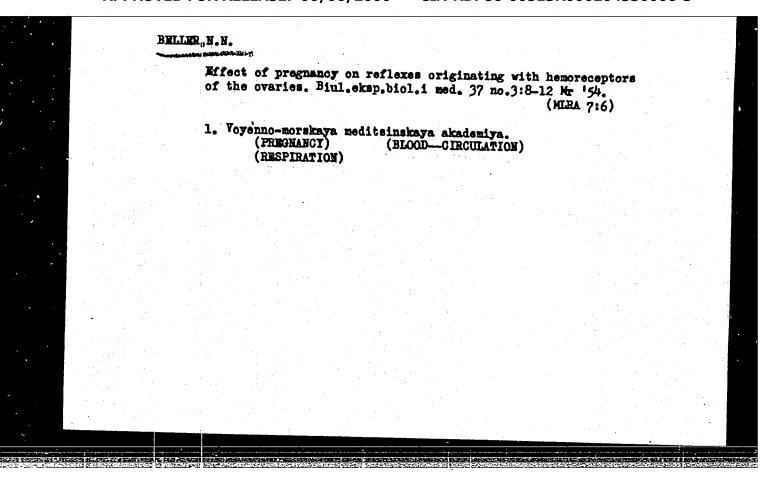
Survey of Scientific and Technical Dissertations Defended by USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

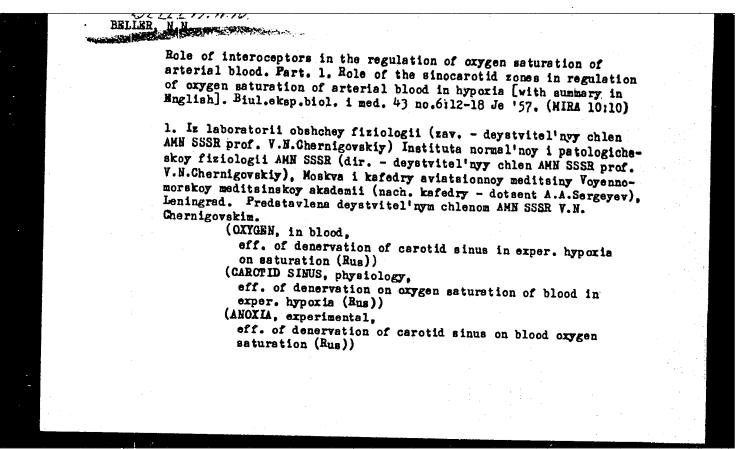








BELLER, N. N., Cand Med Sci -- (diss) "Part of the nervous system in the regulation of the composition of the blood and the saturation of arterial blood by oxygen in conditions of hypoxia." Leningrad, 1957, 17 pp (Acadmy of Sciences USSR. Institute of Physiology im I. P. Pavlov), 100 copies (KL, 36-57, 107)



BELLER, N.N.

AUTHOR:

None Given

30-58 -4-36/44

TITLE:

Dissertations (Dissertatsii)

Department of Biological Sciences (Otdeleniye biologicheskikh

nauk) July - December 1957 (Iyul' - Dekabr' 1957 g.)

PERIODICAL:

Vestnik Akademii Nauk SSSR,1958, Nr 4,pp.122-122(USSR)

ABSTRACT:

d) for the degree of a Candidate of Medical Sciences:

N. N. Beller - Participation of the Nervous System in the Control of the Blood Content and the Saturation of the Arterial Blood with Oxygen under the Conditions of a Hypoxia (Uchastiye nervnoy sistemy v regulatsii sostava krovi i nasyshchenii arterial'noy krovi kislorodom v usloviyakh gipoksii)

M. Ye. Lindeman - The Sucking Action of the Gall-Bladder in the Normal and Pathological State of the Cortex (Veasyvatel'naya funktsiya zhelchnogo puzyrya pri normal'nom i pato-'logicheskom sostoyanii kory golovnogo mozga)

Card 1/3

L. G. Pervoy - Investigation of the Higher Nerve Functions of Hysterics (Izucheniye vysshev nervnoy deyatel'nosti u bol'nykh

Dissertations. Department of Biological Sciences. July - December 1957

#### isteriyey)

- I. V. Sergeyeva Susceptibility to Drinking of the Nutritive Center if the Higher Nerve Function is Injured (Pit'yevaya vozbudimost' pishchevogo tsentra pri narushenii vysshey nervnoy deyatel'nosti)
- Imre Tomka Investigation of the Development of Conditioned Connections on the Sound of Pronounciation in Early Childhood (Izucheniye razvitiya uslovnykh svyszey ba zvuki rechi u detey rann\_ogo vozrasta)
- 9) At the Institute of Plant Physiology imeni K. A. Timiryazev (Institut fiziologii rasteniy imeni K. A. Timiryazeva) the following dissertations were defended:
- a) for the degree of Doctor of Biological Sciences:
- A. N. Gusev Some Rules of the Water Regime of the Plants (Nekotoryye zakonomernosti vodnogo rezhima rasteniy)
- b) for the degree of Candidate of Biological Sciences:
- Yu. G. Molotovskiy On the Problem of the Physiologic Characteristics of Heat Resistivity of Some Cultivated Plants (K voprosu o fiziologicheskoy sushchnosti zharoustoychivosti

Card 2/3

Dissertations. Department of Biological Sciences. July - December 1957

nekotorykh kulturnykh rasteniy)

- 10) At the Soil Institute imeni V. V. Dokuchayev (Pochvenniy institut mani V. V. Dokuchayeva) the following dissertations for the degree of the Doctor of Agricultural Sciences were defended:
- S. N. Ivanov Phosphate Regimes of the Peats and Meadow-Podsols of the Belorusskaya SSR (Fosfatnyy rezhim torfov i dernovo-podzolistykh pochv Belorusskoy SSR)
- A. A. Nemchinov Swampy Grounds in the North of the European Part of the USSR (Bolotnyye pochyy Yevropeyskogo Severa SSSR)
- 1. Biology-Bibliography 2. Bibliography-Biology

Card 3/3

USSR/Human and Amiral Physiology. Respiration.

Abs Jour: Ref Zhur-Miol., No 20, 1958, 93280.

Author : Boller, N.N.

Inst Title

: Significance of Interoceptors in Regulation of Oxygen Saturation of Arterial Dlood. 2. Role of Spleen and Carotid Sinus Zones in Regulation of Oxygen Saturation

of Arterial Blood in Hypoxic.

Orig Pub: Dyul. eksperim. biol. i med., 1958, 45, No 2, 42-46.

Abstract: In 44 experiments on cats with denervation of the carotid sinuses transitory hypoxia produced a more significant decrease in the expensation of blood than in normal animals, but denervation of the spleen brought about an unstable and less expressed disturbance of this

Card : 1/2

61

USSR/Human and Aminal Physiology. Respiration.

T

Ths Jour: Ref Zhur-Biol., No 20, 1958, 93281.

Author : Beller, N.H.

Inst Title

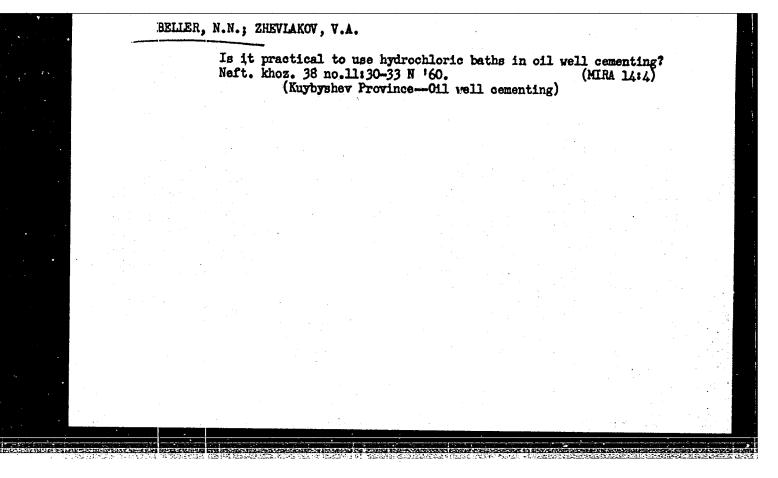
: Significance of Interoceptors in Regulation of Oxygen Saturation of Arterial Blood. 3. Influence of Denervation of Carotid Sinus Zones on Oxygen Saturation of Arterial Blood and on Volume of Pulmonary Ventilation.

Orig Pub: Byul. eksperim. biol. i med., 1958, 45, No 3, 45-48.

Abstract: In 33 experiments on cats and rabbits denervation of the carotid sinus zones brought about a reduction in the volume of pulmonary ventilation and the degree of 02 saturation of the blood. Denorvation of the spleen and cutting of the femoral nerves, and also irritation of the peritoneum, led only to temporary

: 1/2 Card

62



DELLER, No. Way, KURSHANOVA, Z.I.; CHERNYSHEVA, I.M.

Obtaining a reagent for clay muds from sulfite-elochol residue by chlorination. Trudy KNII NP no.17:12-22 "62.

(MIRA 17:8)

BELLER, N.N.; CHURKIN, Yu.D.; PYATNITSKAYA, N.V.

Antifoaming reagents for aqueous and cross-linked muds and a method for testing them. Trudy KNII NP no.17:23-31 \*62.

(MIRA 17:8)

BELLER, N.N.; PYATNITSKAYA, N.V.

Using surfactants when drilling in producing strata in the Yakushino oil field. Trudy KNII NP no.17:32-36 '62. (MIRA 17:8)

# BRLIER, N.N.; SHABANOVA, L.S.

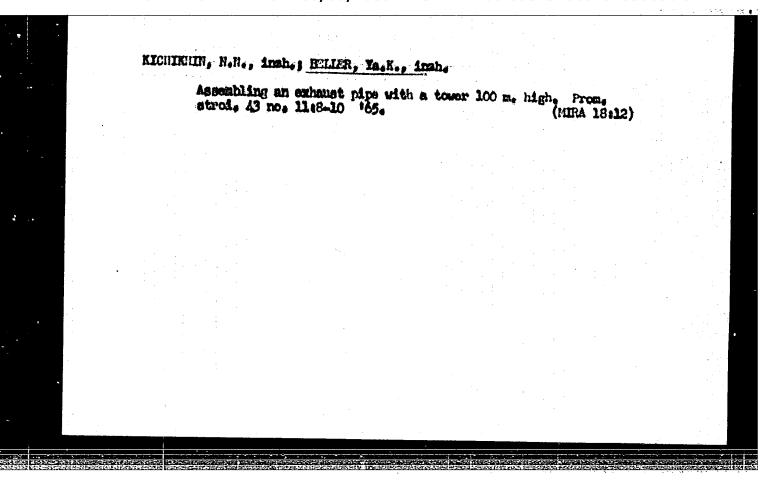
Controlling the parameters of cement slurries using surfactants at low and high temperatures. Trudy KNII NP no.17:47-54 162.

(MIRA 17:8)

BELLER, N.N.; MUSYASHCHIKOVA, S.S.

Evoked potentials of the limbic cerebral cortes in cats following stimulation of mesenteric nerves. Fiziol. zhur. 51 no.8:918-925 Ag '65. (MIRA 18:7)

1. Laboratoriya obshchey fiziologii Instituta fiziologii imeni Pavlova AN SSSR, Leningrad.

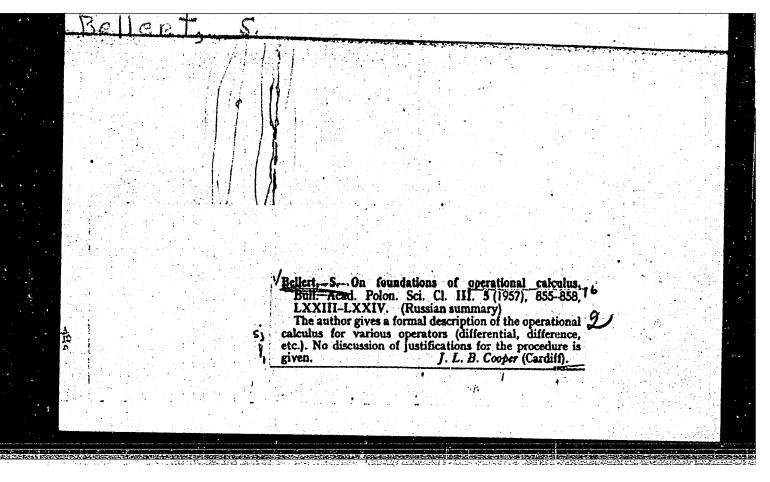


BELLERT, S.

The problem of the stability of closed-loop systems.

P. 165 (ARCHIMUM AUTOMATYKI I TELEPECPANIKI) Poland, Vol. 1, No. 3/4, 1956.

50: Monthly Incex of East European Accessions (AEEI) Fol. 6, No. 11, November 1957



S/194/62/000/005/130/ D271/D308

AUTHOR:

Bellert, S.

TITLE:

Fourier integral and the investigation of electrical

four-terminal networks by the pulse method

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-7-39 n (Zesz. nauk. Politechn. warsz. 1959, no. 42, 79-109)

TEXT: A pulse method based on the use of Fourier integrals is presented for the study of four-terminal networks. Mathematical theory of Fourier integrals is given. Fundamental concepts of the Fourier integral theory and of the pulse investigation of four-terminal networks are presented. Concepts of Fourier and Laplace transforms, frequency spectrum, pulse function, and transmission coefficient of quadrupoles are introduced. General relations are shown; ideal pulse filters are considered. The theory is explained on an example of a low-pass filter: 9 references. [Abstractor's note: Complete translation].

Card 1/1

BELLERT, S.

Computer four-pole synthesis based on the method of structural numbers. Archiw elektrotech 13 no.3:485-510 164.

1. Division of Communication of the Technical University, Warsaw.

Teleconference equipment. Rozpr elektrotech 8 no.2:317-335 162.

1. Katedra Teletransmisji Przewodowej Politechnika, Warszawa.

BELLERT, St.

Topological considerations and synthesis of linear networks by the method of structural numbers. Archiv elektrotech 12 no.3:473-500 \*63

1. Communication Department, Technical University, Warsaw.

S/044/62/000/002/006/092 C111/C222

AUTHOR:

Bellert, Stanislaw

TITLE:

Operational calculus in linear spaces

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 2, 1962, 9,

abstract 2B46 ("Rozpr. elektrotechn.", 1960, 6, no. 3,

169-212)

TEXT: A uniform representation of the operational method is given for questions of various kinds; for example, for the solution of differential and difference equations with constant coefficients, of Euler-type equations, of differential-difference equations, of Bernoulli equations and others. The suggested method is based on the fundamentals of functional analysis. The examples worked-out are intended to acquaint engineers and technicians with the practical applications of this method.

Abstracter's note: Complete translation.]

Card 1/1

BELLI, N.

"The Origin and Development of Socialist Property in the Agriculture of the Rumanian People's Republic";

dissertation for the degree of Candidate of Economic Sciences (awarded by the Timiryasev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

