VOL'-EPSHTEYN, A.B.; KRICHKO, A.A.; FILIPPOVICH, G.F.

Using alkyl-benzene fractions formed on the synthesis of cumene to obtain solvents. Neftepor. i neftekhim. no.6:33-35 '64. (MIRA 17:9)

1. Institut goryuchikh iskopayemykh AN SSSR i Gosudarstvennyy issledovatel'skiy proyektnyy institut-4.

KRICHKO, A.A.; VOL'-EPSHTEYN, A.B.; MUKHINA, T.N.; BERENTS, A.D.

Production of aromatic hydrocarbons from pyrocondensate. Khim.i tekh.topl. i masel 10 no.1:9-11 Ja '65. (MIRA 18:4)

1. Institut goryuchikh iskopayemykh i Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov.

YULIN, M.K.; VOL'-EPSHTEYN, A.B.; DAVTYAN, N.A.; LISYUTKINA, L.N.

Investigating the composition of the products of the alkylation of phenol with isobutyl alcohol and isobutene. Neftekhimiia 4 no.5:717-721 S-O '64. (MIRA 18:1)

1. Institut goryuchikh iskopayemykh AN SSSR.

STRUCHKOV, V.I.; GRIGORYAN, A.V.; VOL'-EPSHTEYN, G.L.; AL'TSHULER, Yu.B.

State of the lung in late periods following its resection; X-ray observations. Sov.med. 28 no.7:49-57 Jl '65.
(MIRA 18:8)

1. Klinika obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I.Struchkov) I Moskovskogo instituta imeni I.M.Sechenova i rentgenovskoye otdeleniye Gorodskoy klinicheskoy bol'nitsy Nr. 23 imeni "Medsantrud" (glavnyy vrach A.N.Lobanova), Moskva.

GRIGORYAN, A.V.; VOL'-EPSHTEYN, G.L.; KOSTISHCHEV, V.K.

Lung cancer in primary multiple cancer cases. Vop. onk. 11 no.4:104-109 '65. (MIRA 18:8)

1. Iz kafedry obshchey khirurgii lechebnoy fizkul'tury 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova (zav. - chlen-korrespondent AMN SSSR prof. V.I.Struchkov).

STROGANOV, V.I., prof.; FEDOROV, B.F.; VOL'-EPSHTEYN, G.L. (Moskva)

Nontuberculous spontaneous pneumothrax. Sov. med. 28 no.3:10-15 Mr '65. (MIRA 18:10)

VOL'-EPSHTEYN, G.L.

STRUCHKOV, V.I., prof. (Moskva, G-117, 1-y Truzhennikov per., d.19, kv.37); VOL'-EPSHTEYN, G.L.; GRIGORYAN, A.V.

Differential diagnosis of disintegrating peripheral cancer pulmonary cancer and abscess. Vest.khir. 79 no.9:45-48 S '57. (MIRA 10:11)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.I.Struchkov) lechebnogo fakul'teta 1-go Moskovskogo ordena Lenina meditsinskogo instituta i rentgenovskogo otdeleniya bol'nitsy im. Medsandrud (gl. vrach - A.P.Timofeyeva)

(LUNG NEOPLASMS, differ. diag. of disintegrating peripheral cancer)

MURAV'YEV, M.V.; GROMOVA, G.V.; VOL'-EPSHTEYN, G.L.

Some data on pulmonary circulation changes in chronic suppurative processes in the lung. Grud. khir. 3 no.2:68-72 '61. (MIRA 14:4)

(LUNGS—DISEASES) (PULMONARY ARTERY)

VOL'-EPSHTEYN, G.L. (Moskva, I-422, 1-y Dmitrovskiy pr., d. 4,kv.48); TAPINSKIY, L.S.; ZHDANOV, V.S.

A clinical X-ray anatomical study of bronchography by means of propyliodone (characteristics and complications. Grud. khir. 5 no.2:105-108 Mr-Ap'63 (MIRA 17:2)

1. Iz kliniki obshchey khirurgii (zav. - prof. V.I. Struchkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

STRUCHKOV, V.I. (Moskva, Truzhenikov, per., d.19,kv.37); SAKHAROV, V.A.; VOL'-EPSHTEYN, G.L.; TAPINSKIY, L.S.

Some problems in the diagnosis and treatment of chronic purulent diseases of the lungs. Grud.khir. 5 no.1:93-99 Ja-F'63.
MIRA (16:7)

1. Iz kliniki obshchey khirurgii (zav.- chlen-korrespondent AMN SSSR prof. V.I.Struchkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(LUNGS—DISEASES) (SUPPURATION)
(LUNGS—SURGERY)

TAPINSKIY, L.S.; VOL'[illegible] G.L.

Comparative evaluation of some clinical and roentgenological manifestations of congenital and acquired bronchiectases. Khirurgiia no.1:76-80 '63. (MIRA 16:5)

. Iz kafedry obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I. Stru chkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta.

VOL'-EPSHTEYN, G.L. (Moskva A-8, 1-y Dmitrovskiy prospekt, d.4. kv.48); TAPINSKIY, L.S.

X-ray diagnosis of various forms of bronchiectasis. Grud. khir. 5 no.5:60-64 S-O '63. (MIRA 17:8)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. - chlen-korrespondent AMN SSSR prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

SAKHAROV, V.A.; VOL'-EPSHTEYN, G.L. (Moskva A-8, 1-y Dmitrovskiy pr., d.4., kv. 48); ZHDANOV, V.S. (Moskva)

Plasmacytoma of the lung. Grudn. khir. 5 no.3:94-98 My-Je '63 (MIRA 17:1)

VOL'-EPSHTEYN, G.L. (Moskva, 1-y Dmitrovskiy pr., d.4,kv.48)

X-ray examination in abscesses of the lungs. Grud. khir. 2 no.1:77-82 Ja-F '60. (MIRA 15:3)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.I. Struchkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i rentgenovskogo otdeleniya gorodskoy klinicheskoy bol'nitsy No.23 imeni "Medsantrud" (glavnyy vrach A.P. Timofeyeva).

(LUNGS--ABSCESS)
(LUNGS--RADIOGRAPHY)

STR[illegible], V.I., prof.; [illegible], A.[illegible], [illegible]

Problems of the diagnosis and [illegible] treatment of benign tumors of the lungs. [illegible]irurgiia 40 no.4:[illegible] [illegible]
(MIRA [illegible])

1. Klinika obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I. Stru[illegible]) [illegible] fakul'teta I Kar-[illegible]ovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

GRIGORYAN, A.V.; TSUMAN, V.G.; VOL'-EPSHTEYN, G.L.

Differential diagnosis of chronic indurative pneumonia and bronchogenic lung cancer. Grud.khir. 3 no.6:72-76 N-D '61. (MIRA 15:3)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. kafedroy - prof. V.I. Struchkov) I Moskovskogo meditsinskogo instituta.
(PNEUMONIA) (LUNGS--CANCER)

VOL'-EPSHTEYN, G. L.

Cyst of the thymus gland. Grud. khir. 4 no.3:121-122 My-Je '62.
(MIRA 15:7)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. - prof. V. I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova i rentgenovskogo otdeleniya Gorodskoy klinicheskoy bol'nitsy No. 23 imeni Medsantrud (glavnyy vrach A. N. Lobanova)

(THYMUS GLAND—TUMORS) (CYSTS)

VOL'-EPSHTEYN, G. L., Cand of Med Sci -- (diss) "Significane of Tomography in the Diagnosis of Lung Abcesses," Moscow, 1959, 14 pp (First Mos Medical Inst im I. M. Sechenov) (KL, 1-60, 125)

GRIGORYAN, A.V.; VOL'-EPSHTEYN, G.L.; ZHDANOV, V.S.; RYZHKOV, Ye.V.

Benign epithelial pulmonary tumors [with summary in English]. Khirurgiia 35 no.1:29-32 Ja '59. (MIRA 12:2)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. - prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova, kafedry patologicheskoy anatomii (zav. - prof. I.V. Davydovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i rentgenovskogo otdeleniya klinicheskoy bol'nitsy imeni Medsantrud (glavnyy vrachA.P. Timofeyeva).
(LUNG NEOPLASMS, case reports
adenoma (Rus))

VOL'-EPSHTEYN, G.L.; SKRIPNICHENKO, D.F.

Tomography in the diagnosis of suppurative processes in the lungs. [with summary in English, p. 151] Khirurgiia, 33 no.1:57-61 Ja '57 (MLRA 10:4)

1. Iz kafedry obshchey khirurgii lechebnogo fakul'teta (zav.-prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta i iz rentgenovskogo otdeleniya (zav.-kandidat meditsinskikh nauk P.P. Vlasov) Klinicheskoy bol'nitsy imeni Medsantrud.

(DISEASES, diag.
tomography in suppurative dis.) (Rus)

KOTATIO, Jiri, VOLEK, Vladimir, technicka spoluprace: PAPEZOVA, R.

Serum lactic dehydrogenase in the diagnosis of acute myocarditis.
Cas.lek.cesk 101 no.4:103-108 26 Ja '62.

(LACTIC DEHYDROGENASE blood)
(MYOCARDITIS blood)

MIGULIN, Igor' Nikolayevich [Myhulin, I.M.], kand. tekhn. nauk;
VOLERNER, N.F., doktor tekhn. nauk, prof., retsenzent

[Transient processes in transistor amplifiers] Perekhidni protsesi v tranzystornykh pidsyliuvachakh. Kyiv, Tekhnika, 1964. 207 p. (MIRA 18:2)

PER, Abram Grigor'yevich; FREYBERG, S.I., prof., zasl.deyatel' nauki i tekhniki, retsenzent [deceased]; VOLKERSHTEYN, L.S., inzh., red.; TUBYANSKAYA, F.G., izd.red.; PUKHLIKOVA, N.A., tekhn.red.

[Manufacture of optical mechanical instruments] Proizvodstvo optiko-mekhanicheskikh priborov. Moskva, Gos.izd-vo obor. promyshl., 1959. 337 p. (MIRA 12:8)
(Optical instruments)

DEMKINA, Lidiya Ivanovna; VOLKENSHTEYN, L.S., inzh., red.; ANIKINA, M.S., red. izd-va; ROZHIN, V.P., tekhn. red.

[Studying the effect of the composition of glass on its properties] Issledovanie zavisimosti svoistv stekol ot ikh sostava. Moskva, Gos. izd-vo obor. promyshl., 1958. 238 p. (MIRA 11:9)
(Glass)

VOLERSHTEYN, L. S.

7654. VOLERSHTEYN, L. S. -- Priborostroyeniye i optiko-mekhanicheskoye proizvodstvo. pod obshch. red. s. I. Freyberga. M., oborongiz, 1954. 22 sm. (materialy po obmenu proizvod.--tekhn. opytom). bespl.
3. (sost. L. S. Volershteyn). 35 s. s chert. --(55-3755)
681.2.002 & 681.4.002

SO: Knizhnaya Letopsis', Vol. 7, 1955

BARANOVA, M.Ye.; Prinimal uchastiye VOLES', A.M., pochvoved

Measures for improving natural pastures and meadows of the "Orsha" Collective Farm in Orsha District. Bot., issl. Bel. otd. VBO no.5:154-164 '63. (MIRA 17:5)

VOLESAK, L.

VOLESAK, L. 30 per ce t of the collective farm income is derived from flax. p. 12.

Vol. 10, no. 12, Dec. 1956
ROLNICKE HLASY
AGRICULTURE
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

VOLESKA, V.

Motorists competing in the triple military events.

P. 393, (Svet Motoru) Vol. 11, no. 13, June 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

VOLESKY, B.

"Electrically heated classification screens."

p. 26 (Hutnik, Vol. 8, No. 1, January 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9, September 1958.

VOLESKY, B.

Observations taken from some of our primary ore-crushing plants.

P. 145, (Rudy) Vol. 5, no. 4, Apr. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

VOLKOV, [illegible]

"Education Of The Masters Of Socialist Agriculture In Three-Year Course Of [illegible] Cooperative Schools Of Labor." p. [illegible] (<u>Za Socialistickou [illegible]</u>, Vol. 3, No. [illegible], Dec. 1953, [illegible])

Vol. 3, No. 3.
SO: <u>Monthly List of East European Accessions</u>,/Library of Congress, <u>March</u> 1954, Uncl.

Volesky, Z.

Volesky, Z. Activites of the Research Institute for Fibrous Plants. P. 301,
Vol. 5, no. 7, 1956, VESTNIK Praha, CZECHOSLOVAKIA

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

VOLESKY, E.

"How can mechanization of the harvesting of flax be finally solved?"

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 22, November 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

VOLESKY, E.

"Dewretting Flax at the Farm", P. 701, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

L 1958-66
ACCESSION NR: AT5023171 UR/0000/65/000/000/0211/0217 19 21

AUTHOR: Volevach, A. I. (Kiev)

TITLE: The application of mass servicing methods to the study of air traffic

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu operativnomu upravleniyu proizvodstvennymi predpriyatiyami. 1st, Moscow, 1963. Avtomaticheskoye operativnoye upravleniye proizvodstvennymi protsessami (Automatic operative control of production processes); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 211-217

TOPIC TAGS: civil air fleet, transportation system, civil airfield, airfield facility, civil aviation service, operations research

ABSTRACT: Dispatchers at various airports of the Soviet Union seem to have difficulties in controlling the ever-growing volume of air traffic, and the physical limitation of dispatcher personnel may slow down the future growth of civil aviation. Consequently, the author discusses the basic characteristics of air traffic needed for the synthesis of appropriate algorithms, and after a brief survey of these characteristics shows that the basic problem coincides with the problems in the theory of mass servicing, and that all the pertinent parameters

Card 1/2

L 1958-66

ACCESSION NR: AT5023171

may be obtained from the solutions of the mass servicing theory. The paper presents: 1) an example of the application of the Monte Carlo method for the determination of the traffic density in the vicinity of an airport; 2) an outline of the necessary optimum information input sources, control channels, and equipment for the reliable maintenance of aircraft operations; and 3) a description of an algorithm for the determination (for given air traffic and a mass servicing system) of the relationship between the number of control channels needed for the servicing of aircraft and the intensity of traffic under the condition that all the requirements imposed on the servicing are satisfied. Orig. art. has: 3 formulas and 5 figures. [08]

ASSOCIATION: none

SUBMITTED: 11May65 ENCL: 00 SUB CODE: AC

NO REF SOV: 004 OTHER: 000 ATD PRESS: 4115

Card 2/2

VOLEVAKHA, M., nauchnyy sotrudnik; LUCHNIK, V. [Luchnyk, V.], kand. fiz.-mat.nauk

Scattered clouds. Znan.ta pratsia no.5:18-20 My '59. (MIRA 12:10)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.
(Rain making)

VOLEVAKHA, M., nauchnyy sotrudnik

Winds are whirling over the earth. Znan.ta pratsia no.7:11 Jl '59. (MIRA 13:2)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.
(Winds)

VOLEVAKHA, M., kand.geograf.nauk

Weather and climate. Znan. ta pratsia no. 1:32 Ja '61. (MIRA 14:4)

(Meteorology)

SHEVTSOV, V., instruktor al'pinizma; VOLEVAKHA, M., nauchnyy sotrudnik

St. Elmo's fire. Znan. ta pratsia no.5:7 My '60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.
(St. Elmo's fire)

VOLEVAKHA, M., nauchnyy sotrudnik

Aerial mirror. Znan.ta pratsia no.9:17-19 S '59. (MIRA 13:1)

1.Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.
(Reflection (Optics))

VOLEVAKHA, M., nauchnyy sotrudnik

Violent storm. Znan. ta pratsia no.3:30-31 Mr '59.
(MIRA 12:10)

1.Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.
(Storms)

VOLEVAKHA, M.M., KOSENKO, V.M., red., GANUSETS', O.I., red. [HANUSETS', O.I.]

[Atmospheric phenomena and indications of weather] Atmosferni iavyshcha i prykmety pohody. Kyiv, 1958. 31 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser. 5, no. 7) (MIRA 11:10)

(Meteorology)
(Weather)

ROZOVA, Yekaterina Sergeyevna; VOLKOVAKHA, M.M., kand. geogr. nauk, red.; IGNATENKO, A.Y.[Ihnatenko, A.I.], red.; POKIDKO, A.I.[Pokyd'ko, A.I.], red.; KVITKA, S.P., tekhn. red.

[Rainless periods in the Ukraine] Bezdoshchovi periody na Ukraini. Kyiv, Vyd-vo UASHN, 1961. 69 p. (MIRA 16:5)
(Ukraine--Droughts)

L 13755-65 EWT(1)/FCC ASD(f)-2/ESD(t) GW
ACCESSION NR: AR4046160 S/0169/64/000/008/B039/B040

SOURCE: Ref. zh. Geofizika, Abs. 8B226

AUTHOR: Tkachenko, A. V., Volevakha, N. M., Galadzhiy, N. M.

TITLE: Experience in analysis of a wind velocity hodograph in the boundary layer of the atmosphere

CITED SOURCE: Tr. Ukr. n.-i. gidrometeorol. in-ta, vy*p. 31, 1962, 48-53

TOPIC TAGS: wind velocity, atmospheric boundary layer, geostrophic wind, thermal wind, atmospheric turbulence, optical analyzer, atmospheric [illegible]

TRANSLATION: On the basis of wind sounding data from Kiev (74 hodographs [illegible] 1959 and 21 in 1960) the authors checked the practical applic[illegible] use [illegible] analyzer [illegible] geostr[illegible] thermal w[illegible] efficient [illegible] the use of an optical analyzer increases the possibility of [illegible] sounding data [illegible] compar[illegible] with [illegible] it is assumed [illegible] when the atmospheric fronts on the synoptic chart near the sounding point. In [illegible]

Card 1/2

L 13755-65
ACCESSION NR: AR4046160

of the cases is it possible to use this method, and in the daytime in summer when the condition of a stationary state of the atmospheric boundary layer is satisfied. The velocity and direction of the geostrophic wind computed by this method agree well with similar values determined from a surface weather chart. [illegible] methods, for the most part the results agree with data obtained by other authors. It was not possible to establish an interrelationship between the computed thermo wind and the theoretical wind using an FF-500/1000 chart. R. Orlkul

ASSOCIATION: [illegible] aerologicheskiy

Card 2/2

TKACHENKO, A.V.; VOLEVAKHA, N.M.; GALADZHIY, N.M.

Analysis of the hodograph of wind velocity in the boundary layer of the atmosphere. Trudy UkrNIGMI no.31:48-53 '62.
(MIRA 16:11)

VOLEVAKHA, Nikolay Maksimovich; MISHIN, M.M.[Mishyn, M.M.], red.

[Weather made to order] Pohoda na zamovlennia. Kyiv, Naukova dumka, 1964. 46 p. (MIRA 18:9)

VOLE/AKHA, N.N.

Forecasting various kinds of precipitations in the Ukraine during the cold season of the year. Trudy Ukr. NIGMI no.7:67-71 '57.
(Ukraine--Precipitation (Meteorology) (MIRA 11:4)

VOLEVAKHA, N.M.

Conditions for precipitation in the solid form in the case of positive temperatures at the earth surface during the cold period of the year. Trudy Ukr. NIGMI no.8:136-144 '57. (MIRA 11:6)
(Ukraine--Precipitation (Meteorology))

VOLEVAKHA, N.M.

Recurrence of liquid precipitation during negative temperatures at the earth surface. Trudy Ukr. NIGMI no.8:145-149 '57.
(Ukraine--Precipitation (Meteorology)) (MIRA 11:6)

VOLEVAKHA, N-M.

AUTHOR: Ponomarenko, I. N. 50-58-3-21/22

TITLE: Scientific Seminar for Operational Sections of the Hydrometeorological Service (Nauchnyy seminar v operativnykh podrazdeleniyakh gidrometeorologicheskoy sluzhby)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 3, pp. 69-70 (USSR)

ABSTRACT: The arrangement of scientific seminars in the technical subdivisions of the hydrometeorological service - weather bureaus, hydrometeorological bureaus etc., is of special importance for the direct contact between the collaborators of research stations and experts which occupy themselves with the practical work of the hydrometeorological care of national economy. From October 22 to 24, 1957 such a seminar was held in the hydrometeorological bureau in L'vov, in the presence of representatives of the L'vov State University and the meteorological service of the L'vov Railroad Office. Six lectures were held. I. N. Ponomarenko, in his lecture characterized the scientific research works which have been performed in the division for the synoptical investigations and forecasts within the entire period of the existence of

Card 1/2

Scientific Seminar for Operational Sections of the Hydrometeorological Service

the Ukrainian Scientific Research Institute for Hydrometeorology, I. V. Koshelenko, N. M. Gavrilenko and N. M. Volevakha in their lectures dealt with perfected forecasts on fog and low clouds, on deterioration of the sight in snow-storms and snow-falls, and on precipitations of various phase states (in the cold half-year). A. I. Romov in his lecture treated peculiarities of the influence of the Carpathians upon the modification of the atmospheric pressure on both sides of the mountain range and the gradual development of orographic precipitations by the displacement of the south cyclones. N. I. Astakhova reported on scientific research works for the perfecting of long term weather forecasts which were performed in the Central Institute for Weather in the Geophysical Main Observatory in the Arctic Institute and in the Kazakh Scientific Research Institute for Hydrometeorology. The participants in the seminar were unianimous on the expediency and the usefulness of such seminars.

1. Meteorology--USSR 2. Weather forecasting--USSR

Card 2/2

VOLEVAKHA, Nikolay Maksimovich [Volevakha, M.M.]; SHCHERBAN', M.I., kand. geogr. nauk, otv. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.; MATVIICHUK, O.A., tekhn. red.

[How to control the weather] Chy mozhna keruvaty pohodoiu. Kyiv, 1961. 31 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Ser.6, no.24) (MIRA 15:1)
(Weather control)

VOLEVAKHA, N.M.

"Glaze and measures to control it" by V.E. Buchinskii. Reviewed by N.M.Volevakha. Meteor. i gidrol. no.6:57-58 Je '62. (MIRA 15:6)
(Frost)

VOLEVAKHA, N. M., and POLOVKO, I. K.

"Microclimate of Ponds, Reservoirs and Irrigated Parcels of Southern Ukrainian SSR,"
Tr. Ukr. n. -i. gidromet. in-ta, No 1, 1954, pp 5-14

Measurements over the Belozerskiy estuary of Zaporozhe Oblast over 20 sq km proved that the wind velocity decreases proportionally to the logarithm of distance from the water surface. The wind velocity at the shore is much higher than over the steppe. The temperature near the water is 4-5° lower than over the steppe. (RZhFiz, No 4, 1955)

SO: Sum, No 606, 5 Aug 55

VOLEVAKHA, V.A.

Space structure of sukhoveis. Geofiz. i astron. no.8: 127-129 '65. (MIRA 19:1)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorolo-g icheskiy institut.

VOLEVAKHA, V.A.

Temperature regime of the atmosphere in periods with dry winds in the Ukraine. Trudy UkrNIGMI no.52:38-44 '65. (MIRA 18:10)

Volenik, E.

"Technology of high yields of flax.", p. 247, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 3, #3, Mar. 1953, Czechoslovakia)

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

VOLKVAKHA, N.M.

Conditions for light precipitations in the Ukraine in case of negative temperatures at the earth surface. Trudy Ukr. NIGMI no.5:150-158 '56. (MLRA 10:9)

(Ukraine--Precipitation)

VOLEVAKHA, N.M., Cand Geog Sci -- (diss) "Conditions of rainfall precipitation of ~~different~~ phase states during the cold period in the Ukraine." Kiev, 1959, 9 pp (Main Administration of the Hydrometerological Service under the Council of Ministers USSR. Main Geophysical Observatory im A.I. Voyeykov) 150 copies (KL, 35-59, 112)

VOLEVAKHA, N.M.; VOLEVAKHA, V.A.

Possibility of forecasting the beginning of intensive glazed frost formations. Trudy UkrNIGMI no.12:81-87 '58. (MIRA 11:12)

(Ice)

VOLEVAKHA, N.M.

Orographic influences in the formation of glazed frost. Trudy UkrNIGMI no.13:82-86 '58. (MIRA 11:12)
(Ukraine--Ice) (Altitude, Influence of)

VOLEVAKHA, N.M.; VOLEVAKHA, V.A.

Possibility of forecasting the beginning of intensive glazed frost formations. Trudy UkrNIGMI no.12:81-87 '58. (MIRA 11:12)

(Ice)

VOLEVAKHA, N. M.; MUCHNIK, V.M.

Forecasting the phase condition of precipitation and ice storms.
Trudy Ukr.NIGMI no.4:36-41 '55. (MIRA 10:1)
(Precipitation (Meteorology))

VOLEVAKHA, N.M.

Methods for short-range predicition of glazed frost. Trudy UkrNIGMI no.21:38-49 '60. (MIRA 13:10)
(Weather forecasting) (Frost)

VOLEVAKHA, V.A.

A drought period in the Ukraine. Trudy UkrNIGMI no.45:22-31 '64.
(MIRA 17:10)

VOLEVAKHA, V.A.

Frontal glazed frost in the Ukraine. Trudy UkrNIGMI no.25:3-15 '61. (MIRA 14:8)

1. Kiyevskoye byuro pogody.
(Ukraine--Ice)

DOMBROVSKAYA, O.I.; VOLEVAKHA, V.A.

Conditions of the formation of cloudiness and precipitation in the Ukraine in the southeastern transport during the cold period of the year. Trudy UkrNIGMI no.43:168-176 '64. (MIRA 18:4)

VOLEVEL'SKIY, L.N.

KIPRIANOV, G.I.; VOLEVEL'SKIY, L.N.

Dehydration products of Δ^5-3β, 20, 24-trioxy-24, 24-diphenyl-cholene and of some of its derivatives. Ukr.khim.zhur. 20 no.6: 664-669 '54. (MLRA 8:3)

1. Ukrainskiy institut experimental'noy endokrinologii, otdel organicheskogo sinteza.
(Dehydration(Chemistry)) (Cholene)

VOLEVICH, I., kand.filologicheskikh nauk

"Poison in gay colored covers." Nauka i zhizn' 28 no.9:99-102 S '61. (MIRA 14:12)
(Germany, West—Moral conditions)

VOLEVICH, L.R.; PANEYAKH, B.P.

Some spaces of generalized functions and imbedding theorems.
Usp. mat. nauk 20 no.1:3-74 Ja-F '65. (MIRA 18:4)

L 4:485-65 EWT(d) Pg-4 IJP(c)
ACCESSION NR: AP4041389 S/0020/64/156/006/1262/1265

AUTHORS: Volevich, L.R.

TITLE: On hypoelliptic systems with variable coefficients

SOURCE: AN SSSR. Doklady*, v. 156, no. 6, 1964, 1262-1265

TOPIC TAGS: partial differential equation, elliptic differential

ABSTRACT: Following L. [illegible] a differential equation or system is called hypoelliptic if every generalized solution is of class C^∞ whenever the right side of the equation is in C^∞. L. Hormander [illegible]

systems, satisfying an additional condition. [illegible]

Card 1/3

L 41485-65

ACCESSION NR: AP4041389

$$\mathcal{P}(x; D)\, u(x) = f(x),$$

where $u(x) = \{u_1(x), \ldots, u_m(x)\}$, $f(x) = \{f_1(x), \ldots, f_m(x)\}$, $\mathcal{P}(x; D) = \|P_{jl}(x; D)\|_{j,l=1,\ldots,m}$

is a square matrix in linear differential operators with coefficients in $C^\infty(\Omega)$, Ω region in R^n with compact support. Hypotheses: (A) At each point $x \in \Omega$, the polynomial $Q(x;\xi) = \det \mathcal{P}(x;\xi)$ is hypoelliptic (in the sense of Hormander and Malgrange). (B) There is a constant $C > 0$ such that for any x', $x'' \in \Omega$, $|Q(x'; \xi) - Q(x''; \xi)| \leq C|x' - x''|\,(Q(x';\xi) + Q(x'';\xi))$, where $Q(x;\xi) = \left(\sum_{\alpha} Q^{(\alpha)}(x;\xi)^2\right)^{1/2}$; $Q^{(\alpha)}(x;\xi) = \partial^{|\alpha|} Q / \partial \xi_1^{\alpha_1} \ldots \partial \xi_n^{\alpha_n}$, $|\alpha| = \alpha_1 + \ldots + \alpha_n$.

(C) There exist non-negative numbers $s_1, \ldots, s_m$, $t_1, \ldots, t_m$ and $\sigma > 0$, such that $|P_{jl}^{(\alpha)}(x;\xi)| \leq C|Q(x;\xi)|^{\sigma(t_j - s_l)}(1 + |\xi|)^{-\sigma|\alpha| + \sigma(t_j - s_l)}$

and $\sum_{l=1}^{m}(t_l - s_l) = 1$ и $P_{jl} \equiv 0$, если $t_j - s_l < 0$.

Conditions (A) and (B) express the formal hypoellipticity of

Card 2/3

L 41485-65
ACCESSION NR: AP4041389

system (1), (C) is the new condition. Conclusion: System (1) is hypoelliptic (i.e. if $t \in C^{\infty}(\Omega$, and $u \in D'/\Omega$ is a solution, then $u \in C^{\infty}(\Omega)$. The proof follows the scheme suggested by J. Peetre (for the case of one equation.) As usual, the main difficulty is in the a priori estimates.

ASSOCIATION: None

SUBMITTED: 21Jan64 ENCL: 00

SUB CODE: MA NR REF SOV: 001 OTHER: 007

Card 3/3

VOLEVICH, L.R. (Moskva)

Solvability of boundary value problems for general elliptic systems. Mat. sbor. 68 no.3:373-416 N '65.
(MIRA 18:11)

S/020/63/148/003/001/037
B112/B186

AUTHOR: Volevich, L. R.

TITLE: On the theory of boundary value problems for general elliptic systems

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 489-492

TEXT: Boundary value problems of the type $A(x;D)u(x) = f(x)$, $x \in \mathcal{D}$; (4) $\lim_{x \to \dot{x}} B(x;D)u(x) = g(\dot{x})$, $\dot{x} \in \Gamma$; (5) are investigated.

The functional spaces

$$\mathcal{U}^{(l)} = \prod_j W_2^{(l+t_j)}(\mathcal{D}), \quad \mathcal{F}^{(l)} = \prod_i W_2^{(l-s_i)}(\mathcal{D}), \quad \mathcal{G}^{(l-1/2)} = \prod_k W_2^{(l-1/2-m_k)}(\Gamma)$$

and the norms

$$\|u, \mathcal{U}^{(l)}\| = \sum \|u_j, \mathcal{D}\|_{l+t_j}, \quad \|f, \mathcal{F}^{(l)}\| = \sum \|f_i, \mathcal{D}\|_{l-s_i},$$

Card 1/2

$$\|g, \mathcal{G}^{(1-1/2)}\| = \sum \|g_k, \Gamma\|_{1-1/2-m_k}.$$

correspond to the vector functions u, f, g. The result of the study is the theorem stating that the following propositions are equivalent to one another: (a) The operator $\mathcal{A} = (A,B)$ is elliptical; (b) from $u \in \mathcal{H}^{(1)}_0$, $Au \in \mathcal{F}^{(1)}$, $Bu \in \mathcal{G}^{(1-1/2)}$ follow $u \in \mathcal{H}^{(1)}$ and

$$\|u, \mathcal{H}^{(1)}\| \leqslant c \left[\|Au, \mathcal{F}^{(1)}\| + \|Bu, \mathcal{G}^{(1-1/2)}\| + \|u, \mathcal{B}\|_0\right]$$

(c) the operator $\mathcal{A}$ is a ϕ-operator in the sense of M. G. Kreyn and I. Ts. Gokhberg (UMN, 12, 2 (1957)).

PRESENTED: July 4, 1962, by I. G. Petrovskiy, Academician

SUBMITTED: June 30, 1962

Card 2/2

VOLEVICH, L.R.

Hypoelliptic systems with variable coefficients. Dokl. AN SSSR 156 no.6:1262-1265 Je '64. (MIRA 17:8)

1. Predstavleno akademikom I.G. Petrovskim.

VOLEVICH, L.R.

The Dirichlet problem for quasi-linear elliptic equations with a small parameter for the higher derivatives. Nauch. dokl. vys. shkoly; fiz.-mat. nauki no.4:9-18 '58. (MIRA 12:5)

1. matematicheskiy institut im. V.A. Stekleva AN SSSR.
(Differential equations, Partial)

VOLEVICH, L. R. Cand Phys-Math Sci — (diss) "Local Characteristics of the Solutions for Differential Equation Systems in Partial Derivatives," Moscow, 1960, 8 pp, (Moscow State Pedagogical Institute im V. I. Lenin) (KL, 47/60, 97)

80037

S/020/60/132/01/04/064

16.3400 16.3500

AUTHOR: Volevich, L.R.

TITLE: General Systems of Differential Equations

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp. 20-23

TEXT: The author considers the system

$$(1) \quad F_i = \sum_{j=1}^{m} A_{ij}(x,D)u_j(x) = f_i(x) \quad , \quad i = 1,\ldots,m$$

$$(2) \quad A_{ij}(x,D) = \sum_{|\alpha| \leq \gamma_{ij}} a_{ij}^{(\alpha)}(x)\, D^{\alpha} .$$

If (1) is partial (i.e. $D = (D_1,\ldots,D_n)$, $D_k = \partial/\partial x_k$) , then the author considers the matrices

$$(6) \quad A(x,D) = A_{ij}(x,D)), \; A'(x,D) = A'_{ij}(x,D))$$

and denotes the polynomial

Card 1/2

General Systems of Differential Equations S/020/60/132/01/04/064

(7) $\chi(x,\xi) = \det \| A'(x,\xi) \|$

as the characteristic form of (1) in the point x. Lemma 2 : For all ξ, $\chi(x,\xi)$ is identical with the principal part of the determinant of $A(x,\xi)$.

The author gives the following effective definition of the ellipticity being equivalent to the definition of (Ref. 2): Definition 6 : The non-degenerated system (1) is elliptic in G if in every $x \in G$ the characteristic form for all $\xi \neq 0$ is different from zero.

Then the case $D = \frac{d}{dt}$ is treated. The author gives a method which permits to reduce (1) to a system the principal part of which is a diagonal matrix. Thereby it is possible to determine the number of arbitrary constants in the general solution of an ordinary system of differential equations with variable coefficients, and to construct a fundamental system for this system. There are 6 definitions, 2 lemmata and 3 theorems. The author thanks K.I. Babenko for the attention in this paper.

There are 6 references : 2 Soviet, 3 American and 1 Italian.

PRESENTED: December 31, 1959, by M.V. Keldysh, Academician
SUBMITTED: December 31, 1959

Card 2/2

84658
S/020/60/134/006/001/031
C111/C222

16 3500

AUTHOR: Volevich, L.R.

TITLE: A Class of Hypoelliptic Systems

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol.134,No.6, pp. 1275 - 1278

TEXT: The author defines so-called q - quasielliptic systems to which there also belong the systems elliptic in the sense of A. Douglis and L. Nirenberg (Ref. 6) and the systems p - parabolic in the sense of Petrovskiy. For these quasi - elliptic systems the principal part can be given so that the difficulties can be eliminated which in the investigation of local properties arise from the variability of the coefficients. Quasi-elliptic systems with infinitely often differentiable coefficients are hypo-elliptic. If the coefficients of a quasielliptic sytem belong to a Jevrais class, then also all solutions belong to this class. The results of the present paper generalize the results of (Ref. 8, 9).

Card 1/2

84658

A Class of Hypoelliptic Systems

S/020/60/134/006/001/031
C111/C222

The author mentions S.L. Sobolev and L.N. Slobodetskiy.
There are 12 references: 5 Soviet, 2 French, 3 American and 2 Swedish.

PRESENTED: June 4, 1960, by I.G. Petrovskiy, Academician

SUBMITTED: June 2, 1960

Card 2/2

16(1) 16.3500

SOV/155-58-4-2/34

AUTHOR: Volevich, L.R.

TITLE: On the Dirichlet Problem for Quasi-Linear Equations of Elliptic Type with a Small Parameter in the Highest Derivatives (O zadache Dirikhle dlya kvazilineynykh uravneniy ellipticheskogo tipa s malym parametrom pri starshikh proizvodnykh)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 4, pp 9 - 18 (USSR)

ABSTRACT: The author investigates the behavior of the solutions of the Dirichlet problem for

(1) $$\varepsilon \Delta u = \frac{\partial u}{\partial y} + \frac{\partial \varphi(x,y,u)}{\partial x} + \psi(x,y,u)$$

for $\varepsilon \to 0$. It is supposed that $\varphi_{uu} > 0$. If the domain of definition G is a strip $0 \leq y \leq y_0$, then the solutions converge with respect to the norm $L'(T)$, where $T \subset G$, to the generalized solution of the Cauchy problem (see [Ref 5_7]) for the equation

Card 1/ 3

On the Dirichlet Problem for Quasi-Linear Equations of Elliptic Type With a Small Parameter in the Highest Derivatives

SOV/155-58-4-2/34

$$\frac{\partial u}{\partial y} + \frac{\partial \varphi(x,y,u)}{\partial x} + \psi(x,y,u) = 0 .$$

If G is an arbitrary bounded domain, then only

(2) $$\varepsilon \Delta u = \frac{\partial u}{\partial y} + \frac{\partial \varphi(u)}{\partial x}$$

is considered. It is shown, that the solution of the Dirichlet problem for (2) converges with respect to the norm $L^1(G)$ to the generalized solution of the boundary value problem for

$$\frac{\partial u}{\partial y} + \frac{\partial \varphi(u)}{\partial y} = 0 .$$

The applied methods are essentially due to O.A. Oleynik. Altogether there are given 5 theorems and 12 lemmata.

Card 2/3

On the Dirichlet Problem for Quasi-Linear Equations of Elliptic Type With a Small Parameter in the Highest Derivatives

SOV/155-58-4-2/34

There are 13 references, 8 of which are Soviet, 2 French, 2 American, and 1 English.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova AN SSSR (Mathematical Institute imeni V.A. Steklov AS USSR)

SUBMITTED: July 3, 1958

Card 3/3

VOLEVICH, L.R. (Moskva)

Local properties of solutions of quasi-elliptic systems. Mat. sbor. 59 (dop.):3-52 '62. (MIRA 16:6)
(Differential equations)

VOLEVICH, L.R.

One class of hypoelliptic systems. Dokl. AN SSSR 134 no.6:1275-1278 O '60. (MIRA 13:10)

1. Predstavleno akademikom I.G.Petrovskim.
(Operators (Mathematics))

VOLEVICH, R. V.

24345 VOLEVICH, R. V. O. Pronitsayemosti Gemato-Entsefalicheskogo bar'era dlya penitsillina pri vnutrimyshechnom. ego vvedenii. (Eksperim.-Klinich. issledovaniye). Soobshch. 1. Trudy Glav. voyen. Gospitalya Vooruzh. Sil SSSR im. akad. Burdenko. VYP. 6. M., 1949, S. 264-71.

SO: Letopis, No. 32, 1949.

VOLEVICH, Roman Vladimirovich; NESGOVOROVA, L.I., red.; BUL'DYAYEV, N.A., tekhn. red.

[Nodular periarteritis] Uzelkovyi periarteriit. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 245 p. (MIRA 14:8)
(ARTERIES—DISEASES)

VOLEVICH, L.R.

Theory of boundary value problems for general elliptic systems. Dokl. AN SSSR 148 no.3:489-492 Ja '63. (MIRA 16:2)

1. Predstavleno akademikom I.G. Petrovskim.
(Boundary value problems) (Operators (Mathematics))

CZECHOSLOVAKIA

VOLF [affiliation not given].

"Report on the Technical and Economic Conference on the Use of Plastics in Sanitary Plumbing"

Prague, Zdravotni Tecznika a Vzduchotechnika, Vol 6, No 4, 1963, pp 182-188.

Abstract: The conference was held in Gottwaldov, 4 September 1963; it was organized by the Fatra National Enterprise in Napajedla, Technomat National Enterprise in Prague, and the Technomat branch of the Czechoslovak Scientific and Technical Society (Ceskoslovenska vedeckotechnicka spolecnost). The report contains technical data on the "Novodur" (PVC) and polyethylene. Included are recommendations made by representatives of enterprises attending the conference concerning the manufacture and development of some specific products.

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PRESNYAKOV, A.A.; CHERVYAKOVA, V.V.; POLYAKOVA, T.P.; NOVIKOV, A.V.; VOLEYNIK, S.N.; BAIMBETOV, N.B.

Investigating the properties of plain and lead β-brass. Trudy Inst. met. i obog. AN Kazakh. SSR 10:25-31 '64. (MIRA 18:7)

ACCESSION NR: AP3005599 S/0031/63/000/007/0041/0048

AUTHORS: Voleynik, V. V.; Kunayev, A. M.

TITLE: Anode polarization of vanadium in fused salts

SOURCE: AN KazSSR. Vestnik, no. 7, 1963, 41-48

TOPIC TAGS: vanadium electrode, current density, anode, electronegative mixture, cathode, lithium chloride melt

ABSTRACT: The dependence of vanadium electrode potential on current density has been investigated under various conditions. These include pure fused chlorides of lithium, calcium, and 10% additions of NaF. Vanadium was used as the anode containing no electronegative mixtures and a molybdenum wire as the cathode. Current densities ranged from 5×10^{-4} to 5 amp/cm^2 at melt temperatures 500 and 700C. It was found that below current densities of 10^{-3} amp/cm^2 the potential changed very little. In the interval 10^{-3} - 0.2 amp/cm^2 the potential increased linearly with the current density according to the law

$$E = \text{const} + \frac{2,3\,RT}{2F} \lg i. \qquad (1)$$

Increasing the current further caused a very sharp increase in the potential.

Card 1/2

ACCESSION NR: AP3005599

Adding 10% NaF to an equimolar mixture of NaCl-KCl had the effect of shifting the potential towards the negative as compared to the lithium chloride melt. Orig. art. has: 7 formulas and 4 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 06Sep63 ENCL: 00

SUB CODE: PH NO REF SOV: 005 OTHER: 004

Card 2/2

VOLEYNIK, V.V.; KUNAYEV, A.M.

Cathodic processes during the deposition of vanadium from molten chlorides. Izv.AN Kazakh. SSR. Ser. [redacted] no.1:56-62 '63. (MIRA 17:3)

VOLEYNIK, V.V.; KUNAYEV, A.M.

Anode polarization of vanadium in salt melts. Vest. AN Kazakh. SSR 19 no.7:41-48 Jl '63. (MIRA 17:2)

ACCESSION NR: AT4013987 S/3070/63/000/000/0178/0181

AUTHOR: Voleynik, V. V.; Yelyutin, V. P.; Ly*sov, B. S.; Maurakh, M. A.

TITLE: Instrument for measuring electric resistance of solid and melted metals at temperatures up to 2000C

SOURCE: Novy*ye mashiny* i pribory* dlya ispy*taniya metallov. Sbornik statey. Moscow, Metallurgizdat, 1963, 178-181

TOPIC TAGS: conductance measurement, solid metal conductance, liquid metal conductance, high temperature conductance, non-electrode conductance measurement, conductance measuring equipment

ABSTRACT: Using a new instrument, which is described in detail in the text, conductance in solid or liquid metals can be measured over the range 20-2000C, hence even for Ti, V or Zr. The design is based on a non-electrode method of measuring conductance in terms of the moment of forces acting on a specimen in a rotating magnetic field. The instrument has stator coils 180 cm high and located inside the housing, hence the entire assembly can be made of common structural steel. The usual operation is in an atmosphere of inert gas (argon), although tests can be carried out in a $\sim 10^{-3}$ mm Hg vacuum. Dependence of the angle of twist on specimen height for a specimen diameter of 14 mm was plotted in a diagram (see

Card 1/2