

L 1376-66

ACCESSION NR: AP5024530

$$\log k = 19.285 - \frac{8625.55}{T}$$

The content of butyraldehyde in the product ranges from 9% to 69 percent with the rising temperature, and that of butanol from 5 to 25 percent by weight. It was proved that products with a high boiling point may be used as solvents provided they contain alcohols along with α, β -unsaturated aldehydes and other substances.

Orig. art.has: 4 graphs.

ASSOCIATION: Vyskumny ustav pre petrochemiu, Novaky (Petrochemistry Research Institute) *44.5*SUBMITTED: 03Feb64
NR REF SOV: 000ENCL: 00
OTHER: 018SUB CODE: 00, 00
JPRS*dg*
Card 2/2

MACHO, V.; MISTRIK, E.J.; XIHA, M.

On the character of catalysis in hydroformylation. Coll Cz Chem
29 no. 3:826-829 Mr '64.

1. Research Institute of Petrochemistry, Novaky.

MISTRIK, Frantisek

Application of control regulations. Cs spoje 16 no.1:31-32
F '65.

1. Zapadoslovenska krajska sprava spojov.

MISTROVA, V.N.; KHAYRULLINA, I.Kh.

The AVE-1 vacuum extractor in obstetrical practice. Kaz.med.zhur.
no.3:87-88 My-Je '62. (MIRA 15:9)

1. Rodil'nyy dom No.3 Kazani (glavnyy vrach - A.D.Oskanova) i
kafedra akusherstva i ginekologii (zav. - prof. N.Ye.Sidorov)
Kazanskogo gosudarstvennogo instituta usovershenstvovaniya vrachey
imeni V.I.Lenina.

(OBSTETRICS--EQUIPMENT AND SUPPLIES)

BOTVINIK, M. M. AVAYEVA, S. M. MISTRYUKOV, E. A.

600

USSR (600)

Amino Acids

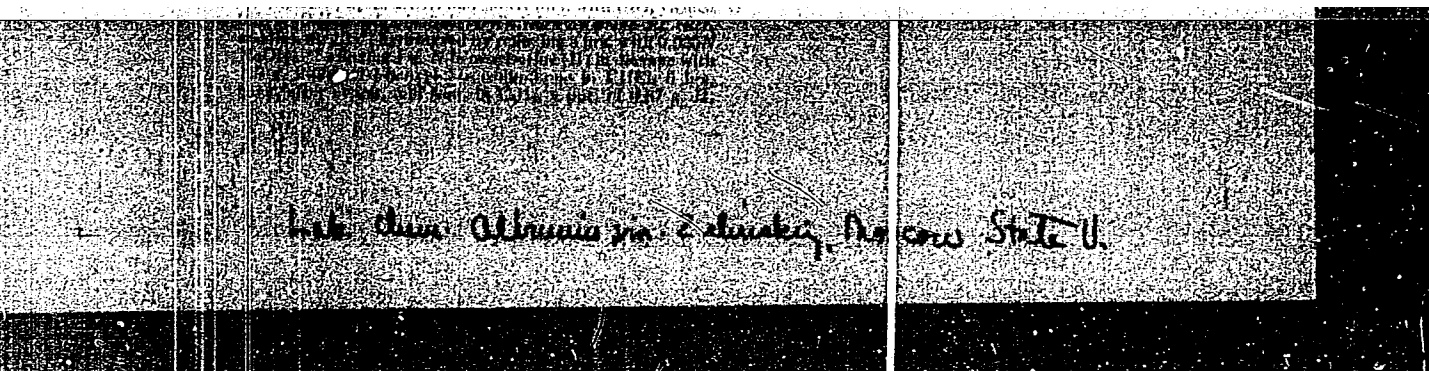
"Synthesis and Reactions of N-Aminoacyl Derivatives of Ethanolamines"
Dok. AN, USSR 82, No 5, 1952

Laboratoriya Khimii Belka Akad. H. D. Zelinskogo Moskovskogo
Gosudarstvennogo Universiteta im. M. V. Lomonosova Recd. 26 Nov 1951

SO: Monthly List of Russian Accessions, Library of Congress, July, 1952, UNCL

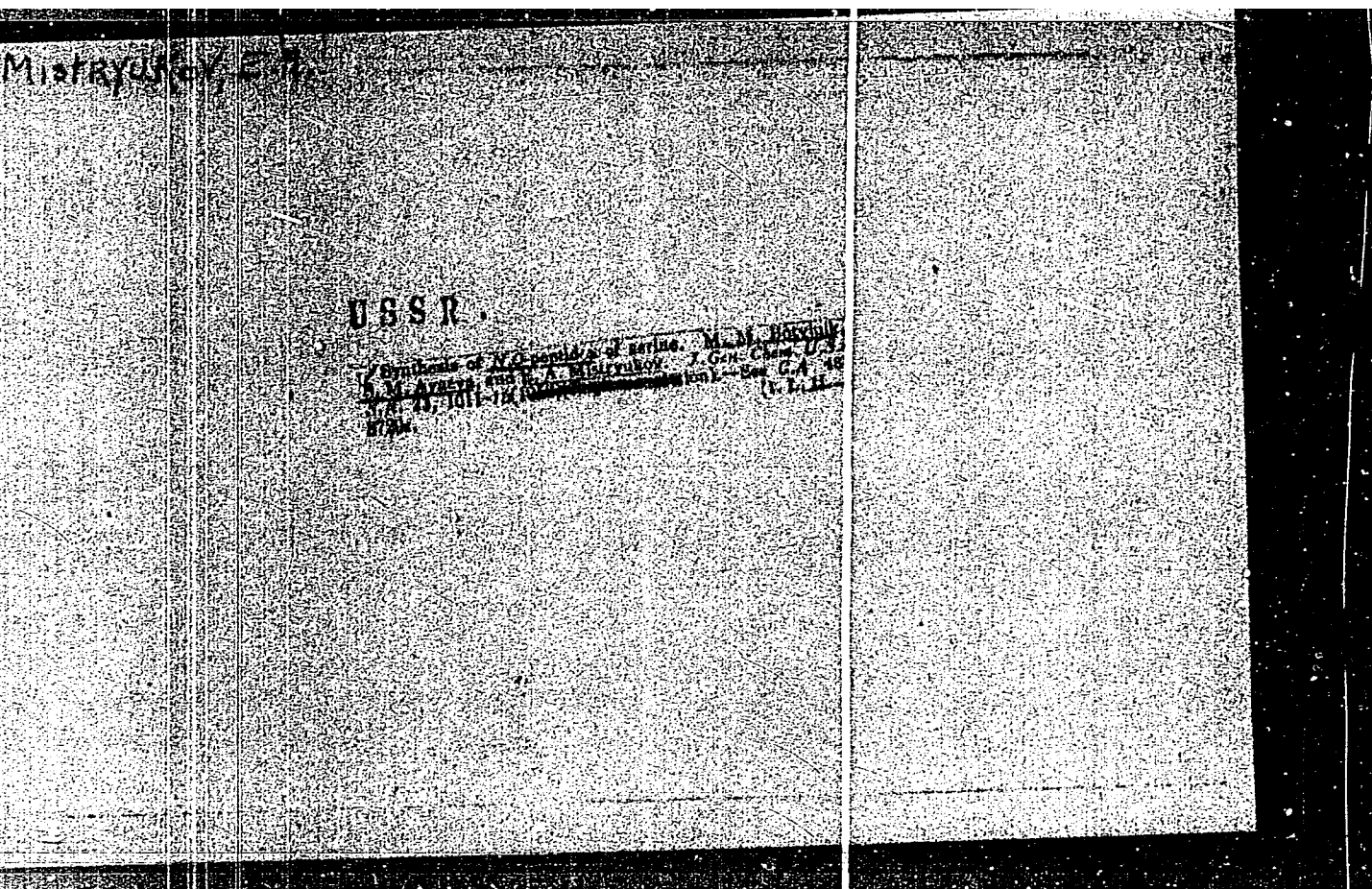
"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710013-0



APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710013-0"



8 ml. 25% MeNH₂-MeOH
EtOH, gave on addn. of 1
ml. $\text{NH}_4\text{CO}_3 \cdot \text{NH}_4\text{CO}_3 \cdot \text{H}_2\text{O}$
 $\text{CH}_3\text{SO}_3\text{NHCH}_2\text{CO}_2\text{H}$ (4.7
20 ml. CH_2Cl_2 until acid. a
altered, and the filtrate was
yielded 63% p-MeC₆H₄SO₃
used without purification;
C₆H₅Cl, and 2.02 g. serine
with 6 ml. PhNEt₃ and a
with petr. ether and H₂O) a
2 g. (60%) N-P-isomer
140-2° (from MeOH) as a
cryst. in vacuo, and taken up in
0.95 g. HOCH₂CH₂CONH-
ONHMe, m. 100°, p-Me-
l.) and 4.5 g. POCl₃ stirred 1 hr. in
petr. diss. with 20 ml. MePh.
pd. and rubbed with petr. ether
HCH₂COCl, which was directly
0.3 g. of the chloride in 20 ml.
Me ester-HCl was slowly added
for 1 hr. the mass was treated
w/ shaken 1 hr., giving a ppt. of
base-poor serine. The color, m.
140-2° (from MeOH-MeNH₂).

Lab. Chem. albumin in Zeleny.
Moscow State U.

the mother liquor yielded 50% of a m.p. depression with the above ester and appears to be a diastereoisomer of it. After yielding the corresponding 150% (EtOH), after 24 hrs. at room temp. The last loss of the ester gave a corresponding isomer of the methylamide, m. 230°. G. M. F.

Mistryukov, E. M.

ml Migration of the peptide residue in serine peptides.
M. M. Rotvinik, S. M. Avanes, and E. M. Mistryukov.
J. Gen. Chem. U.S.S.R. 24, 2055-61 (1951) (Engl. trans-
lation).--See C.A. 49, 4741d.
H. M. U.

3

Alkylation of the peptide residue in
 21. *Pharmazie*, 3, 51, January, and 4
 (1959), 11, 10, 1959, 12, 10, 1959, 13, 10, 1959.
 (1961), 16, 10, 1961, 17, 10, 1962, 18, 10, 1963, 19, 10, 1964, 20, 10, 1965, 21, 10, 1966, 22, 10, 1967, 23, 10, 1968, 24, 10, 1969, 25, 10, 1970, 26, 10, 1971, 27, 10, 1972, 28, 10, 1973, 29, 10, 1974, 30, 10, 1975, 31, 10, 1976, 32, 10, 1977, 33, 10, 1978, 34, 10, 1979, 35, 10, 1980, 36, 10, 1981, 37, 10, 1982, 38, 10, 1983, 39, 10, 1984, 40, 10, 1985, 41, 10, 1986, 42, 10, 1987, 43, 10, 1988, 44, 10, 1989, 45, 10, 1990, 46, 10, 1991, 47, 10, 1992, 48, 10, 1993, 49, 10, 1994, 50, 10, 1995, 51, 10, 1996, 52, 10, 1997, 53, 10, 1998, 54, 10, 1999, 55, 10, 2000, 56, 10, 2001, 57, 10, 2002, 58, 10, 2003, 59, 10, 2004, 60, 10, 2005, 61, 10, 2006, 62, 10, 2007, 63, 10, 2008, 64, 10, 2009, 65, 10, 2010, 66, 10, 2011, 67, 10, 2012, 68, 10, 2013, 69, 10, 2014, 70, 10, 2015, 71, 10, 2016, 72, 10, 2017, 73, 10, 2018, 74, 10, 2019, 75, 10, 2020, 76, 10, 2021, 77, 10, 2022, 78, 10, 2023, 79, 10, 2024, 80, 10, 2025, 81, 10, 2026, 82, 10, 2027, 83, 10, 2028, 84, 10, 2029, 85, 10, 2030, 86, 10, 2031, 87, 10, 2032, 88, 10, 2033, 89, 10, 2034, 90, 10, 2035, 91, 10, 2036, 92, 10, 2037, 93, 10, 2038, 94, 10, 2039, 95, 10, 2040, 96, 10, 2041, 97, 10, 2042, 98, 10, 2043, 99, 10, 2044, 100, 10, 2045, 101, 10, 2046, 102, 10, 2047, 103, 10, 2048, 104, 10, 2049, 105, 10, 2050, 106, 10, 2051, 107, 10, 2052, 108, 10, 2053, 109, 10, 2054, 110, 10, 2055, 111, 10, 2056, 112, 10, 2057, 113, 10, 2058, 114, 10, 2059, 115, 10, 2060, 116, 10, 2061, 117, 10, 2062, 118, 10, 2063, 119, 10, 2064, 120, 10, 2065, 121, 10, 2066, 122, 10, 2067, 123, 10, 2068, 124, 10, 2069, 125, 10, 2070, 126, 10, 2071, 127, 10, 2072, 128, 10, 2073, 129, 10, 2074, 130, 10, 2075, 131, 10, 2076, 132, 10, 2077, 133, 10, 2078, 134, 10, 2079, 135, 10, 2080, 136, 10, 2081, 137, 10, 2082, 138, 10, 2083, 139, 10, 2084, 140, 10, 2085, 141, 10, 2086, 142, 10, 2087, 143, 10, 2088, 144, 10, 2089, 145, 10, 2090, 146, 10, 2091, 147, 10, 2092, 148, 10, 2093, 149, 10, 2094, 150, 10, 2095, 151, 10, 2096, 152, 10, 2097, 153, 10, 2098, 154, 10, 2099, 155, 10, 2100, 156, 10, 2101, 157, 10, 2102, 158, 10, 2103, 159, 10, 2104, 160, 10, 2105, 161, 10, 2106, 162, 10, 2107, 163, 10, 2108, 164, 10, 2109, 165, 10, 2110, 166, 10, 2111, 167, 10, 2112, 168, 10, 2113, 169, 10, 2114, 170, 10, 2115, 171, 10, 2116, 172, 10, 2117, 173, 10, 2118, 174, 10, 2119, 175, 10, 2120, 176, 10, 2121, 177, 10, 2122, 178, 10, 2123, 179, 10, 2124, 180, 10, 2125, 181, 10, 2126, 182, 10, 2127, 183, 10, 2128, 184, 10, 2129, 185, 10, 2130, 186, 10, 2131, 187, 10, 2132, 188, 10, 2133, 189, 10, 2134, 190, 10, 2135, 191, 10, 2136, 192, 10, 2137, 193, 10, 2138, 194, 10, 2139, 195, 10, 2140, 196, 10, 2141, 197, 10, 2142, 198, 10, 2143, 199, 10, 2144, 200, 10, 2145, 201, 10, 2146, 202, 10, 2147, 203, 10, 2148, 204, 10, 2149, 205, 10, 2150, 206, 10, 2151, 207, 10, 2152, 208, 10, 2153, 209, 10, 2154, 210, 10, 2155, 211, 10, 2156, 212, 10, 2157, 213, 10, 2158, 214, 10, 2159, 215, 10, 2160, 216, 10, 2161, 217, 10, 2162, 218, 10, 2163, 219, 10, 2164, 220, 10, 2165, 221, 10, 2166, 222, 10, 2167, 223, 10, 2168, 224, 10, 2169, 225, 10, 2170, 226, 10, 2171, 227, 10, 2172, 228, 10, 2173, 229, 10, 2174, 230, 10, 2175, 231, 10, 2176, 232, 10, 2177, 233, 10, 2178, 234, 10, 2179, 235, 10, 2180, 236, 10, 2181, 237, 10, 2182, 238, 10, 2183, 239, 10, 2184, 240, 10, 2185, 241, 10, 2186, 242, 10, 2187, 243, 10, 2188, 244, 10, 2189, 245, 10, 2190, 246, 10, 2191, 247, 10, 2192, 248, 10, 2193, 249, 10, 2194, 250, 10, 2195, 251, 10, 2196, 252, 10, 2197, 253, 10, 2198, 254, 10, 2199, 255, 10, 2200, 256, 10, 2201, 257, 10, 2202, 258, 10, 2203, 259, 10, 2204, 260, 10, 2205, 261, 10, 2206, 262, 10, 2207, 263, 10, 2208, 264, 10, 2209, 265, 10, 2210, 266, 10, 2211, 267, 10, 2212, 268, 10, 2213, 269, 10, 2214, 270, 10, 2215, 271, 10, 2216, 272, 10, 2217, 273, 10, 2218, 274, 10, 2219, 275, 10, 2220, 276, 10, 2221, 277, 10, 2222, 278, 10, 2223, 279, 10, 2224, 280, 10, 2225, 281, 10, 2226, 282, 10, 2227, 283, 10, 2228, 284, 10, 2229, 285, 10, 2230, 286, 10, 2231, 287, 10, 2

MISTRYUKOV, E. A. (IOKh AS USSR, Moscow)

E. A. Mistryukov and N. I. Shvetsov, "Application of Concepts of Conformation for Determining the Conformation of Isomeric 1, 2, 3- and 1, 2, 5-Trimethyl-4-phenyl Piperidoles."

report presented at the Symposium on Concepts of Conformation in Organic Chemistry which took place in Moscow at the IOKh AN SSSR (Institute of Organic Chemistry, AS USSR) from September 30 to October 2, 1958.

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1959, No. 3, 561-564.

62-58-3-13/30

AUTHORS: Nazarov, I. N. , Mistryukov, E. A.

TITLE: Acetylene Derivatives (Proizvodnyye atsetilena) Communication 180. Amines of the Vinylacetylene Series. The Influence Exerted by Traces of Iron Upon the Mannichian Reaction With Vinylacetylenic Hydrocarbons (Soobshcheniye 180. Aminy vinilatsetilenovogo ryada. Vliyaniye sledov zheleza na reaktsiyu Mannikha s vinilatsetilenovymi uglevodородami)

PERIODICAL: Izvestiya Akademii Nauk SSSR Otdeleniye Khimicheskikh Nauk, 1958, Nr 3, pp. 335 - 338 (USSR)

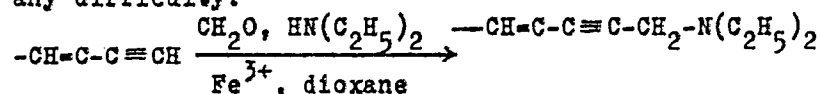
ABSTRACT: In attempts to use the Mannichian reaction not only in the case of vinylacetylene - but also in the case of similar compounds it became evident that the above-mentioned synthesis was dependent on accidental admixtures (in the para-configuration of the compounds of iron). Diverse samples in the para-configuration yielded very different results. Carefully purified samples in the para-configuration and diethylamine do not react with vinylacetylenic hydrocarbons. It is only

Card 1/3

62-58-3-13/30

Acetylene Derivatives. Communication 180. Amines of the Vinylacetylene Series. The Influence Exerted by Traces of Iron Upon the Mannichian Reaction With Vinylacetylenic Hydrocarbons

on addition of catalytic quanta of iron salts (FeCl_3) that aminomethyl derivatives with $\sim 90\%$ yields form without any difficulty:



This reaction can be somewhat accelerated, but only by addition of hydrochloric acid. The reaction of the aminomethylation was attained by means of heating of the diethylamine in para-configuration and vinylacetylenic hydrocarbon in a dioxane solution. Thereby the aminomethylation of isopropenylacetylene was realized as well as that of 3-methylpentene-3-in-1, cyclohexenylacetylene, cyclopentenylacetylene. Moreover some amines of the vinylacetylene series were obtained, such as: diethylamino-4-methylpentene-in-2, 1-diethylamino-4-methylhexene-4-in-2, Δ^1 -diethylamino-3-(Δ^1 -cyclohexenyl)propene-2, 1-diethylamino-3-(Δ^1 -cyclopentenyl)propene-2 and 1-diethylamino-4-phenylhexene-4-2 (see formulae I to IV). There are 6 references, 0 of which

Card 2/3

62-58-3-13/30
Acetylene Derivatives. Communication 180. Amines of the Vinylacetylene Series. The Influence Exerted by Traces of Iron Upon the Mannichian Reaction With Vinylacetylenic Hydrocarbons

are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR
(Institute for Organic Chemistry imeni N. D. Zelinskiy, AS USSR)

SUBMITTED: November 19, 1956

Card 3/3

MISTRYUKOV, E. A.

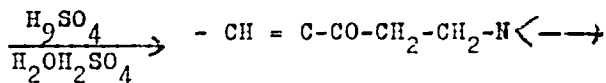
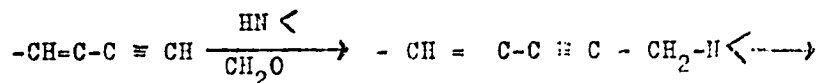
62-58-4-12/32

AUTHORS: Nazarov, I. N., Mistryukov, E. A.

TITLE: Acetylene Derivatives (Proizvodnyye atsetilena).
Communication 182: New Method for the Synthesis of Divinyl-
ketones by Cleaving Iodo-methylates of the Alkenyl- β -Di-
ethylaminoethylketones (Soobshcheniye 182: Novyy metod
sinteza divinilketonov rasshchepleniyem yodmetilatov al-
kenil- β -dietilaminoetilketonov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk,
1958, Nr 4, pp. 465 - 468 (USSR)

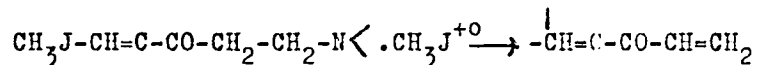
ABSTRACT: In this paper the authors describe the third method of
synthesis of divinylketones. It is expressed as follows:



Card 1/3

62-58-4-12/32

Acetylene Derivatives. Communication 182: New Method for the Synthesis of Divinylketones by Cleaving Iodo-methylates of the Alkenyl- β -Diethylamino-ethylketones



The pyrolysis of various salts of alkenyl- β -dialkylamino-ethylketones was investigated. The best results were obtained by cleaving iodo-methylates. Corresponding vinylalkenylketones in about ~70% yield are formed. This way vinylisopropenylketones (see formula 1), 4-methylhexadiene-1,4-on (formula 2), vinyl- Δ^1 -cyclohexenylketone (formula 3) and vinyl-cyclopentenylketone (formula 4) were produced. All produced vinylalkenylketones represent mobile, strong smelling liquids and polymerize quickly. They are also convenient initial products for synthetizing γ -piperidones.

Card 2/3

62-50-4-12/32

Acetylene Derivatives. Communication 102: New Method for the Synthesis of Divinylketones by Cleaving Iodo-methylates of the Alkenyl- β -Diethylamino-ethylketones

There are 8 references, 5 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute for Organic Chemistry imeni N. D. Zelinskiy, AS USSR)

SUBMITTED: November 19, 1956

AVAILABLE: Library of Congress

1. Acetylene derivatives 2. Divinylketones—Synthesis—Methods

Card 3/3

MINISTRYUKOV, E. A.

AUTHORS: Nazarov, I. N., Ministryukov, E. A.

62-58-4-11/32

TITLE: Acetylene Derivatives (Proizvodnyye atsetilena).
Communication 181: Hydration of Vinylacetylene Amines into
Unsaturated β -Aminoketones (Soobshcheniye 181: Gidratatsiya
vinilatsetilenovykh aminov v nepredel'nyye β -aminoketony)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk,
1958, Nr 4, pp. 460 - 464 (USSR)

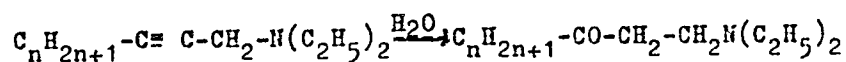
ABSTRACT: In the last paper the authors discussed the Mannikh reaction
with vinylacetylene hydrocarbons. For the purpose of investigating this reaction a number of vinylacetylene amines
were synthesized in great yields. The authors were also
interested in an investigation of the hydration of these
amines as the unsaturated β -amino ketones forming on this
occasion might turn out to be valuable intermediate products
for the synthesis of anesthetics. The application of the
usual method (hydration of the trinary bond of vinylacetylene
amines) did not lead to satisfactory results. After careful
investigation the authors succeeded in finding that aqueous
ammonia does not combine with derivative α -, β -unsaturated

Card 1/3

62-58-4-11/32

Acetylene Derivatives. Communication 181: Hydration of Vinylacetylene
Amines into Unsaturated β -Aminoketones

ketones. For neutralizing the reaction mass ammonia dissolved in water was used. The recently published reports on the hydration of some aminoethylated alkylacetylenes (reference 3) of the kind



made possible a comparison of the conditions of hydration of these acetylene amines with the conditions of hydration of the amines of the vinylacetylene series. The results showed that the trinary bond in acetylene amines (formula 1) also hydrates well with very low concentrations of sulfuric acid. Thus it was possible by means of hydration (see formula 1) to synthesize the following unsaturated β -amino ketones: 1-diethylamino-4-methylpentene-4-on-3, 1-diethylamino-4-methylhexene-4-on-3, β -diethylaminoethyl- Δ^1 -cyclohexenylketone and β -diethylaminoethyl- Δ^1 -cyclopentenylketone (see

Card 2/3

62-58-4-11/32

Acetylene Derivatives. Communication 181: Hydration of Vinylacetylene
Amines into Unsaturated β -Aminoketones

formulae II - VI). In the case of hydration of the unsubstituted vinylacetylene amine (Reference 4) an unstable unsaturated β -aminoketone is formed. (See formulae VII - IX). Diaminoketone consolidates rather quickly in storing, aminoketones, however, change little. The structure of the obtained aminoketones is proved by their possibility of their cleavage. There are 4 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute for Organic Chemistry imeni N. D. Zelinskiy, AS USSR)

SUBMITTED: November 19, 1956

AVAILABLE: Library of Congress

Card 3/3 1. Acetylene derivatives 2. Vinylacetylene amines--Transformation

AUTHORS: Nazarov, I. N., Mistryukov, E. A. 62-58-5-9/27

TITLE: Acetylene-Derivatives(Proizvodnyye atsetilena). Communication 183. New Method of the Synthesis of the 4-Piperidones by the Action of Ammonia or of Primary Amines on Alkenyl- β -Dialkyl-Aminoethylketones(Soobshcheniye 183. Novyy metod sinteza 4-piperidonov deystviyem ammiaka ili pervichnykh aminov na alkenil- β -dialkilaminoetilketony)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, 1958, Nr 5, pp. 584-589 (USSR)

ABSTRACT: In the preceding communication the synthesis of the 4-piperidones by cyclization of the divinyl-ketones which were obtained by means of fission of the methiodides of the alkenyl- β -diethylaminoethylketones, was described. It was found, however, that the same 4-piperidones can be much more easily obtained immediately from unsaturated β -aminiketones, in which case their stage of conversion into divinyl-ketones is not required. The present report is devoted especially to this problem. The cyclization-process takes place by way of the formation of di-aminoketones by means of the combination of methyl amine by way of the binary bond (formulae I to III). The β,β -diamino-

Card 1/2

Acetylene-Derivatives. Communication 183. New Method of the 62-58-5-9/27
Synthesis of the 4-Piperidones by the Action of Ammonia or of Primary Amines
on Alkenyl- β -Dialkyl-Aminoethylketones

ketones obtained in this way, split off diethyl-amine on heating and produce 4-piperidones. The authors further describe the obtaining of γ -piperidones (formulae IV to VII). The latter were of interest to the authors because of the discovery of new anodyne substances. Piperidones with a yield of 60% which contained no substituents with nitrogen, were obtained on the action of aqueous ammonia on alkenyl- β -diethyl-aminoethylketones. Corresponding benzoyl derivatives were obtained from the piperidones by means of heating the hydrochlorides of these piperidones with chlorobenzoyl. (Formulae IX and X). There are 4 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR
(Institute for Organic Chemistry imeni N. D. Zelinskiy AS USSR)

SUBMITTED: November 19, 1956

1. Acetylene derivatives--Chemical properties 2. Piperdines--Synthesis
3. Amnia--Chemical reactions 4. Amines--Chemical reactions
5. Dialkyl-aminoethylketones--Chemical reactions

Card 2/2

MISTRYUKOV, E.A.; SHVETSOV, N.I.

Synthesis of four geometrical isomers of 1,2,3-trimethyl-4-phenyl-4-piperidinol. Izv. AN SSSR. Otd. khim. nauk no.2:292-294 F '61.
(MIRA 14:2)

1. Institut organicheskoy khimii im.N.D.Zelinskogo AN SSSR.
(Piperidinol)

MISTRYUKOV, E.A.

Synthesis and space configuration of some 1-methyl-4-phenyl-4-piperidinols. Izv.AN SSSR Otd.khim.nauk no.4:(23-626 Ap '61.
(MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Piperidinol)

MLSTRYUKOV, E.A.; KUCHEROV, V.F.

Stereochemistry of heterocyclic compounds. Report No.4: Esterification
and space configuration of some 4-phenyl-4-piperidinols. Izv.AN SSSR
Otd.khim.nauk no.4:627-632 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Piperidinol)

MISTRYUKOV, E.A.; ARONOVA, N.I.; KUCHEROV, V.F.

New method for synthesizing N-alkyl-4-piperidones. Izv. AN SSSR. Otd.
khim. nauk no. 5: 932-933 My '61. (MIRA 14:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Piperidone)

MISTRYUKOV, E.A.; KUCHEROV, V.F.

Effect of the nitrogen function of 4-ketodecahydroquinoline
on the relative stability of cis- and trans-isomers. Izv.
AN SSSR. Otd.khim.nauk no.7:1343-1344 J1 '61. (MIRA 14:7)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Quinoline) (Isomers)

MISTRYUKOV, E.A.; KUCHEROV, V.F.

Schotten-Baumann inverse reaction and stereochemistry of
decahydroquinoline and its derivatives. Izv. AN SSSR, Otd.
khim.nauk no.7:1345-1346 J1 '61. (MIRA 14:7)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Quinoline)

MISTRYUKOV, E.A.

Synthesis of methylacetoacetic ester by the methylation of
acetoacetic ester with dimethyl sulfate. Izv. AN SSSR.
Otd.khim.nauk no.8:1512-1513 Ag '61. (MIRA 14:8)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Acetoacetic acid)
(Methylation)

MISTRYUKOV, E.A.; KUCHEROV, V.F.

Stereochemistry of heterocyclic compounds. Report No.7: Spacial structure of derivatives of decahydro-4-quinolone and configuration of isomeric decahydroquinolines. Izv.AN SSSR.Otd.khim.nauk no.10:1816-1825 0 '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Quinolone) (Quinoline) (Stereochemistry)

MISTRYUKOV, E.A.; KUCHEROV, V.F.

Stereochemistry of heterocyclic compounds. Report No.8:
Reaction of debenzoylation and stereochemistry of decahydro-
quinoline and its derivatives. Izv.AN SSSR.Otd.khim.nauk
no.10:1826-1829 O '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. Zelinskogo AN SSSR.
(Quinoline) (Stereochemistry)

MISTRYUKOV, E.A.; KUCHEROV, V.F.

Stereochemistry of heterocyclic compounds. Report No.9: Synthesis of isomeric decahydro-4-quinolol o-acetates and study of the possibility for O→N-acyl migration in the series of decahydro-quinoline. Izv.AN SSSR.Otd.khim.nauk no.11:2044-2050 N '61.
(MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Hydroquinone) (Quinoline) (Stereochemistry)

^E
MISTRYUKOV, Ye. A.

Chromatography on plates with non-bound aluminum oxide. Coll Cz
Chem 26 no.8:2071-2073 '61.

1. Institute of Organic Chemistry, USSR Academy of Science,
Moscow, USSR.

MISTRYUKOV, E.A.; ARONOVA, N.I.; KUCHEROV, V.F.

Reversible cyclization of β -alkylaminoethyl- α' -alkenyl ketones
to γ -piperidones as affected by the nature of substitution.
Izv. AN SSSR. Otd.khim.nauk no.5:870-876 My '62 '62. (MIRA 15:6)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Ketone) (Piperidone) (Substitution (Chemistry))

MISTRYUKOV, E.A.; ARONOVA, N.I.

Stereochemistry of heterocyclic compounds. Report No.10: Effect of the nature of substitution at nitrogen of γ -piperidones on the stereochemistry of phenyllithium synthesis. Izv. AN SSSR. Otd.khim. nauk no.5:877-883 M7 '62. (MIRA 15:6)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Lithium) (Piperidone) (Substitution (Chemistry))

MISTRYUKOV, E.A.; ARONOVA, N.I.; KUCHEROV, V.F.

Stereochemistry of heterocyclic compounds. Report No.11: Effect of substitution at the nitrogen atom on the configuration of 4-decahydroquinolones and the stereochemistry of some nucleophilic reactions at a keto group. Izv.AN SSSR.Otd.khim.nauk no.9:1599-1604 S '62. (MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Quinolone) (Substitution (Chemistry)) (Stereochemistry)

MISTRYUKOV, E.A.

Configuration of isomeric N-benzoyl-cis-decahydro-4-quinolinols
and relative stability of cis-trans isomers in the
decahydro-4-quinolone. Izv.AN SSSR Otd.khim.nauk no.5:929-932
Mg '63. (MIRA 16:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Quinolone) (Quinolinol) (Isomers)

MISTRYUKOV, E.A.; ARONOVA, N.I.; KUCHEROV, V.F.

Synthesis of some substituted N-propargyl- γ -piperidones. Izv.
AN SSSR. Ser.khim. no.3:512-519 Mr '64. (MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

MISTRYUKOV, E.A.

Cis- and trans-perhydropyrindines. Izv. AN SSSR Ser. khim. no.7:
1249-1254 J1 '64. (MIRA 17:8)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

MIETRYUKOV, E.A.

Effect of electrostatic factors on the stereochemistry of hydride reduction of ketones of the piperidine series. Izv. AN SSSR, Ser. khim., no.10:1826-1832 '65.

Effect of electrostatic factors on the stereochemistry of catalytic hydrogenation of ketones of the piperidine series. Ibid.:1832-1836 (MIRA 18:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

MISTRIUKOV, E.A.

Synthesis of cis- and trans-isomers of decahydroquinoline
and octahydro-1- pyridine. Izv. AN SSSR. Ser. khim. no.11:
2001-2005 '65.

Debenzoylation reaction and the configuration of isomeric
N-benzoyl-octahydro-1-pyridines and decahydroquinolines.
Ibid.:2006-2009 (MIRA 18:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo,
AN SSSR.

MISTRYUKOV, E.A.

Stereochemistry of reduction of 4-keto-cis-octahydro-1-pyridine and study of the possibility of O $\rightarrow$ N acyl migration in the perhydropyridine series. Izv.AN SSSR.Ser.khim. no.12:2155-2163 '65.
(MIRA 18:12)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Submitted July 11, 1963.

AUTHORS: Kirpichev, A. I; Ustrugov, L. L. ^{SOV/138-58-10-7/10} Mistryukova, G. V;
Nikol'skaya, V. N.

TITLE: Preparation of Rubber Mixes on Continuous Production Lines (O potochnykh liniyakh po izgotovleniyu rezinovykh smesey)

PERIODICAL: Kauchuk i Rezina, 1958,¹⁷ Nr 10, pp 29 - 32 (USSR)

ABSTRACT: An account is given of 2½-years experience since the introduction of continuous-line working in the rubber mixing, milling, extrusion calendaring and other sections of the factory. Wasteful cooling and re-heating of the rubber mix between stages of preparation has been eliminated by careful integration of the capacities of the various units of the plant which feed directly from one unit to the next. The rubber mix is transported on conveyor belts from the mixers to the initial leafing mills, through to the mills feeding the calenders and other plant, as a ribbon about 20 cm wide. The necessary organization between the various shops to co-ordinate rate of consumption of the mix is discussed. The introduction of "express-control" methods, enabling the mixes to be tested for correct vulcanizing properties, within about 3 minutes of preparation, is essential to success-

Card 1/2

SOV/138-58-10-7/10
Preparation of Rubber Mixes on Continuous Production Lines

ful continuous-line working. Considerable savings are quoted (actually in thousands of roubles, but not related to output) with respect to power requirements for the rubber mills, reduction in amount of cooling water and compressed air used, and in particular through elimination of wastage of material as a result of rapid inspection possible with "express-control". Further economies result from the small labour force required which gives approx. 10% greater output per man-shift, and through freeing of space formerly required for intermediate storage of material in course of preparation. There are 2 Figures and 1 Table.

ASSOCIATION:Kirovskiy shinnyy zavod (Kirov Tire Factory)

Card 2/2

MISTRYUKOV, Yu.M.

Using a special ruler to make an analytical calculation of effective velocities on hodographs of reflected waves. Razved. i prom. geofiz. no.39:16-33 '61. (MIRA 15:3)
(Seismic prospecting--Equipment and supplies)

MISTUR, L.

Training of welding cadres in the Training Center of Welding, Central
Administration of Vocational Training. p. 229.
(PRZEGLED SPAWALNICTWA. Vol. 8, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

MISTUR, L.

Training of welders in Basic Vocational Training. p. 230.
(PRZEGLAD SPAWALNICTWA. Vol. 8, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

MISTUF, L.

Hundredth (100th) course terminated at the Welding Center in Gliwicz.

P. 200 (PRZEGLED SPAWALNICTWA) (Warsaw, Poland) Vol. 9, no.7, July 1957

SO: Monthly; Index of East European Accession (EFAI) LC Vol. 7, No. 5. 1958

MISTYUK, G.P.

AUTHORS: Sal'nikov, V.G.; Mistyuk, G.P., Engineers

99-58-5-6/10

TITLE: Drain-Laying Combine - A New Machine for Mechanized Installation of Covered Drainage (Drenoukladochnyy kombayn - novaya mashina dlya mekhanizatsii stroitel'stva zakrytogo drenazha)

PERIODICAL: Gidrotekhnika i Melioratsiya, 1958, Nr 5, pp 42-45 (USSR)

ABSTRACT: In the irrigation and melioration of the Golognaya Steppe, covered drainage occupies an important place. According to plans 1,062 000 m of covered drainage will be constructed near the Central Canal, and another 377,000 m. in the area of the Southern Canal. The authors propose a special drain-laying combine which will mechanize the operation. The drain-laying machine is mounted on the trench excavator ETU-353. It can lay 170 m per shift. The cost of such drain-laying is 10 times less than by hand. The bunker of this machine is divided into three sections, which are charged with gravel, sand and piping. The sand is placed on the bottom of the trench, the gravel covers the deposited pipes, which fall in an uninterrupted line with small gaps between. The machine automatically regulates the thickness of the layers of sand and gravel. A bulldozer fills in the trench

Card 1/2

99-58-5-6/10

Drain-Laying Combine - A New Machine for Mechanized Installation of Covered Drainage

and backs the ground. There are 4 photos and 1 figure.

AVAILABLE: Library of Congress

Card 2/2 1. Drainage-USSR 2. Drainage-Equipment 3. Water supply-USSR
4. Irrigation systems-Equipment

Mistyuk, I.V.

SIZINTSEVA, V.P.; MISTYUK, I.V.

Interprovince conference on practical problems of epidemic hepatitis.
(Botkin's disease). Vop.virus. 1 no.4:61-62 J1-Ag '56. (MLRA 10:1)
(HEPATITIS, INFECTIOUS)

MISTYUK, V.V.

Some peculiarities in the formation of work habits in older pupils.
Nauk. zap. Nauk.-dosl. inst. psikhcl. 11:169-173 '59.
(MIRA 13:11)

1. Institut psikhologii, Kiyev.
(Work, Method of)

(Manual training)

MISU, A. ; GOLDENBERG, C.

Realizations and present trends in the field of the thermomechanical equipment of thermoelectric-power plants. (To be contd.) p. 235
(ENERGETICA. Vol. 5, no. 7, July 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

MISU, A.

realizations and present trends in the field of thermomechanical equipment of thermoelectric-power plants. II Steam boilers.

P. 330 (Energetica. Vol. 5, no.3, Aug. 1957, Bucuresti, Rumania)

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

MISU, A.

TECHNOLOGY

Periodicals: ENERGETICA. Vol. 6, no. 8, Aug. 1958

MISU, A. Electrification of Japan. p. 376

Monthly List of East European Accessions (MEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

86311

S/111/60/000/011/CO3/CO4

B019/3067

6.7300(3203,1099,1524)

AUTHORS: Misulovin, L. Ya., and Serezhnikov, Ye. A.,
Senior Engineers

TITLE: Two-frequency Transistor Receiver for Mixing

PERIODICAL: Vestnik svyazi, 1960, No. 11, pp. 8 - 9

TEXT: The receiver described here was developed at the factory "VEF" and is intended for the reception and the transformation of audio-frequency pulses in automatic and semiautomatic interurban telephone communications. It is light and small and costs 50% less than the hitherto used instruments. The circuit of this receiver consists of two equal parts, one for the reception of 1200 cycles, the other for 1600 cycles. Each of them consists of an input circuit containing a differential transformer for suppressing the other frequency of a preamplifier, and of a comparison circuit. The signals are amplified to a degree that causes a relay of type РНН (RPN) to respond. The circuit is discussed in detail. The Latviyskoye sovnarkhoz (Latvian

Card 1/2

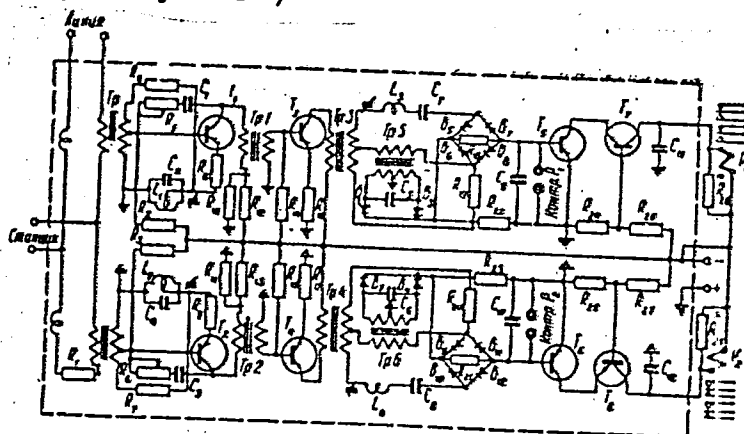
Two-frequency Transistor Receiver
for Mixing

06311

S/111/60/000/011/003/004
BO19/3067

sovnarkhoz) and the Leningradskoye sovnarkhoz (Leningrad sovnarkhoz) helped to speed up the production of this receiver. There are 1 figure and 1 Soviet reference.

ASSOCIATION: Zavod "VEF"
(Factory "VEF")



Card 2/2

MISULOVIN, L.Ya., inzh; MORZENSKIY, Ye.M., inzh.; GAVENDO, I.Ya., inzh.;
FURMAN, R.Kh., inzh.

Equipment for the transmission and reception of information
using a multifrequency code. Vest. svyazi 25 no. 11:3-6
N '65. (MIRA 18:12)

1. Gosudarstvennyy elektrotekhnicheskiy zavod (VEF), Riga.

L 04550-65

ENT(d)/EED-2/EWP(1) Pg-4/Pg-4/Fk-4 IJP(c) BB/G3

UR/0286/65/006/008/0064/0065

ACCESSION NR: AF5015524

AUTHORS: Masulov, L. Ya.; Auzin', V. Ya.; Maksimenko, N. A.; Lerner, Ye. L.;
Stroy, I. E.; Batura, S. E.; Shlyakhtina, D. A.

TITLE: Parallel-series shift register. Class 42, No. 170203

SOURCE: ¹⁶⁶Eyulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 64-65

31
30
B

TOPIC TAGS: shift register

ABSTRACT: This Author Certificate presents a parallel-series shift register having potential triggers with gates at the recording inputs. To decrease the number of storage units, the register contains basic registers for parallel information recording and one auxiliary register controlling the shift of information in the basic registers. The outputs of each preceding trigger are connected to the record gate inputs of the next (see Fig. 1 on the Enclosure). The second inputs of the zero record gates of the auxiliary register are connected to the input for the shift pulse series at output, the one record gates are connected to the input for the shift pulse series at recording. The second input of the record gate of each trigger of the basic register is connected to the zero output of the trigger of the auxiliary register with the same number. The numeration

Card 1/1

L 54550-64

ACCESSION NR: AP5015524

of the basic and auxiliary registers is opposite. Orig. art. has: 1 diagram.

ASSOCIATION: Gosudarstvennyy elektrotekhnicheskiy zavod VEF (State Electrical Engineering Plant VEF)

SUBMITTED: 02 Jan 64

ENCL: 01

SUB CODE: DP

NO REF SOV: 000

OTHER: 000

Card 2/52

L 6524-66 EWT(d)/FSS-2

ACC NR: AP5025647

SOURCE CODE: UR/0106/55/000/010/0056/0063

AUTHOR: Misulovin, L. Ya. *uk*

ORG: none

TITLE: Multifrequency receiver of encoded information

SOURCE: Elektrosvayz', no. 10, 1965, 56-63

TOPIC TAGS: multifrequency receiver, telephone system *g, uk*

ABSTRACT: Multifrequency receivers intended for handling call-number signals in dial-telephone systems are considered. A "2 out of 6" code ensuring 15 elements for transmitting one digit, in a simultaneous multifrequency system operating within 300--3400 cps, is used. The dynamic range of the receiver-input levels is the major factor that determines the design of the frequency filters; both AGC and special rejection circuits have been used to reduce the effects of the dynamic range. An improved method of reception is suggested which depends on the realization of this function at the frequency-division filter output: $Y = A - B$; $A = \varphi(U, f)$; $B = \psi(U)$; U is the input-signal level; f is the input-signal frequency; $A > B$ at the signal frequency. Design formulas are developed for this

Cord 1/2

UDC: 621.391.176/.177:621.395.341

09011796

L 6524-66

ACC NR: AP5025647

simplified-filter receiver. An experimental verification yielded these results:

Type of channel:

Wrong or lost
characters per 1000:

Overhead line

5.08

Radio relay line

0.55

Physical circuit

0

Step-by-step dial system

19.2

Orig. art. has: 6 figures, 25 formulas, and 2 tables.

SUB CODE: EC/ SUBM DATE: 15May65/ ORIG REF: 003/ OTH REF: 001

nw

Card 2/2

L 24056-66 EWT(d)/ENP(1) IJP(c) BR/CG

ACC NR: AP6013237

SOURCE CODE: UR/0413/66/000/008/0031/0031

INVENTOR: Misulovin, L. Ya.; Karsunas, A. M.; Koblents, Ya. G.; Lomas, T. A.; Artsishevskiy, V. V. 34
B

ORG: none

TITLE: Matrix ferrite diode-storage device.¹⁶⁰ Class 21, No. 180630 [announced by the State Electrical Equipment Plant of the Latvian Sovnarkhoz (Zavod VEF Latviyskogo SHKh); Scientific Research Institute of Urban and Rural Telephone Communications (Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy telefonnoy svyazi)]

SOURCE: Izobreteniya, promyshlennyye obraztsy tovarnyye znaki, no. 8, 1966, 31

TOPIC TAGS: storage device, ferrite core memory, *ferrite*

ABSTRACT: An Author Certificate has been issued for a matrix ferrite diode-storage device which, using a relay control, has the number of columns which corresponds to the information, while the number of rows is determined by the code. In order to use the recording wires for all the cores of one row and to combine them with the output wires of the row, the input of each recording wire is connected through the controlling contact to the battery minus pole, while its output is connected to the actuating device using the controlled relay. In order to combine the recording windings with the output windings, one winding, which in series with the decoupling diode is connected with the recording wire at one end and with the reading wire at

Card 1/2

UDC: 621.374.32

L 24056-66

ACC NR: AP6013237

the other, is wound around each ferrite core. This winding serves all the cores of one row and is connected through the selecting contact with the battery pole on one side and through the controlling contact with the reading current source on the other. [DW]

SUB CODE: 09/ SUBM DATE: 16Jun63/

Card

2/2 *db*

MISULOVIN, S.M.

MISULOVIN, S.M., inzh.

Devices used in machining spring blank. Mashinostroitel' no.10:39
0 '57. (MIRA 10:11)

1. Leningradskiy Ordena Lenina metallicheskiy zavod.
(Springs (Mechanism))

25(7)

AUTHOR:

Misulovin, S.M., Engineer

SOV/117-59-7-6/28

TITLE:

The Automated Feed of the Cutting Tool in Machining
the Butt End of Large Machine Parts

PERIODICAL:

Mashinostroitel', 1959, Nr 7, pp 14-15 (USSR)

ABSTRACT:

The article contains information on the design and operation of a boring machine attachment that has been developed by the author for machining the butt face of steam turbine cylinders. The boring of such parts is done on a boring machine, using a 550 mm diameter and 10 meter long boring bar; before the development of the subject attachment, the facing of the butt end was done with a "flying tool rest", attached to the boring bar. This operation was not safe, the surface finish was not satisfactory (never better than "class 6"), and the machining continued during three shifts and was arduous. The new attachment is fixed on to the side wall and butt face of the "flying tool rest", as shown on the photo

Card 1/2

SOV/117-59-7-6/28

The Automated Feed of the Cutting Tool in Machining the Butt End
of Large Machine Parts

(Figure 1) and two drawings. It achieves automatic and smooth radial feed of the cutting tool during the entire facing operation, and eliminates the possibility of injuries to the operators. It is recommended for use at other plants as an efficient and simple attachment that can be easily made. There is 1 photograph and 2 diagrams.

Card 2/2

MISULOVIN, S.M.

57

PHASE I BOOK EXPLOITATION SOV/5460

Leningradskiy metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Nekotoryye voprosy tekhnologii proizvodstva turbin (Certain Problems in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p. (Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies printed.

Sponsoring Agency: RSFSR. Sovet narodnogo khozyaystva Leningradskogo ekonomicheskogo administrativnogo rayona, Upravleniye tyazhelogo mashinostroyeniya, and Leningradskiy dvazhdy ordena Lenina metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A. Drobilko, B. A. Glebov, A. M. Mayzel, and H. Kh. Mernik; Tech. Ed.: A. I. Kantorovich; Managing Ed. for Literature on Machine-Building Technology: Ye. P. Naumov, Engineer, Leningrad Department, Mashgiz.

PURPOSE: This collection of articles is intended for technical personnel in turbine plants, institutes, planning organizations, as well as for production innovators.

Card-1/12

Certain Problems (Cont.)

SOV/5460

57

COVERAGE: The experience of the LMZ (Leningradskiy metallicheskiy zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LMZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

TABLE OF CONTENTS:

Foreword

3

I. NEW PROCESSING METHODS IN MACHINING AND ASSEMBLY

Ganze, Z. M. [Engineer]. The Organization, Methods, and Trends in Efforts for Improving the Easy Manufacturability of Designs for Large Hydraulic Turbines

5

Card 2/42

Certain Problems (Cont.)

SOV/5460

- Gurchenkov, V. V. [Engineer], and B. N. Fil'shtinskiy. Automation of the Workhardening Process of Belleville Springs 192
- Misulovin, S. M. Automation of Cutting-Tool Feed on a Boring Machine for the Face Turning of Large Parts 196
- Bol'shakov, B. A. The Manufacture of Flexible Shafts for Small Drilling Machines 200
- III. NEW METHODS FOR MANUFACTURING TURBINE BLADES
- Kal'nitskiy, S. L. [Engineer]. Fixtures and Specialized Equipment for Machining of Variable-Cross-Section Blades 203
- Kuzinets, S. D. [Engineer]. Fixtures for Machining the Working Section of Turbine Blades With Helical and Curvilinear Profile Twist 217
- Kodryanskiy, M. G. [Engineer]. Machining the Outer Profile Card 6/12

BANKOVSKIY, Yu. [Bankovskis, J.] (Riga); MISULOVINA, Z. (Riga);
IYEVIN'SH, A. [Ievins, A.] (Riga); BUKA, M.

8-mercaptomethylquinoline and its interaction with metal ions.
Vestis Latv sk no.11:103-106 '60. (SEAI 10:9)

1. Akademiya nauk Latvyskoy SSR, Institut khimii.

(Methylmercaptoquinoline) (Ions) (Metals)

BANKOVSKIY, Yu.A.; MISULOVINA, Z.V.; IYEVIN'SH, A.F. [Iovirs, A.];
BUKA, M.R.

5-Fluoro-8-mercaptoquinolins and its salts. Metod.poluch.khim.
reak.i prepar. no.4/5:71-78 '62. (MIRA 17:4)

1. Institut khimii AN Latvyskoy SSR.

MISUNOV, Semen Matveyevich, bul'dozerist, Goroy Sotsialisticheskogo
Truda; KASHTANOV, F., red.; VARENIKOVA, V., tekhn. red.

[Mechanisms should be fully loaded] Mekhanizmy - polnuyu na-
gruzku. Minsk, Gos.izd-vo BSSR, Red. proizvodstvennoi lit-
ry, 1962. 26 p. (MIRA 15:11)

(Earthwork)

MISUREC, Jiri; STEFEK, Josef; STRUPOVA, Vera

Electroencephalography in squinting and amblyoptic children. Cesk.
ofth 15 no.4:298-305 Aug 59.

1. PL. Opava, reditel prim. dr. Frantisek Hajek Ocn. oddel. OUNZ
Opava, prim. dr Josef Stefek.

(STRABISMUS, physiol.) (AMBLYOPIA, physiol.)
(ELECTROENCEPHALOGRAPHY)

MISUREC, J.; UHLIR, F.; KAUPA, R.

Used of succinylcholine of Czechoslovakian production in electroshock therapy. Cesk. psychiat. 55 no.2:96-101 Apr 59.

I. Psychiatricka lecebna v Opave, oddeleni pro hrudni chirurgii OUNX Opava.

(SHOCK THERAPY, ELECTRIC,
adjuvant, succinylcholine (Cz))
(SUCCINYLCHOLINE, ther. use,
in electric shock ther. (Cz))

MISUREC, Jiri

Analytic card in an EEG Laboratory. Cesk.psychiat. 56 no.2:134-140 Ap '60.

1. ZUNZ VZKG Ostrava Vitkovice a Psychiatricka lecebna v Opave.
(ELECTROENCEPHALOGRAPHY)
(PUNCHED CARD SYSTEMS)

MISUREC, J.

From the history of the psychiatric hospital in Jihlava. Cesk.
psychiat. 56 no.2:140-142 Ap '60.

1. Psychiatricka lecebna v Kromerizi.
(HOSPITALS PSYCHIATRIC hist.)

MISUREC, J.; UHLIR, F.; SIROKY, H.; HOMOLOVA, D.

The EEG in patients treated with classical and modified electric shock therapy: Cesk. psychiat. 57 no.4:255-262 Ag '61.

1. ZUNZ VZKG, Ostrava-Vitkovice, Psychiatricka lecebna v Opave.
(ELECTROENCEPHALOGRAPHY) (SHOCK THERAPY ELECTRIC)
(SUCCINYLCOLINE pharmacol.)

MISUREC, J.; NAHUNEK, K.

Photometrazole threshold in Thioridazine therapy. Aktiv. nerv. sup.
4 no.2:214 '62.

1. Psychiatricka klinika lekarske fakulty University J. E. Purkyně
v Brně.

(MENTAL DISORDERS ther)
(TRANQUILIZING AGENTS ther)
(PENTILENETETRAZOLE pharmacol)

MISUREC, Jiri; STRUPLOVA, Vera

Electroencephalography in squinting and amblyopic children.
Cesk. oftal. 18 no.3:196-200 My '62.

1. Psychiatricka klinika lekarske fakulty University J. Ev. Prukyne
v Brne, prednosta prof. MUDr. Josef Hadlik Ocní oddelení OUMZ
Opava, prednosta MUDr. Josef Stefek.

(ELECTROENCEPHALOGRAPHY in inf & child)
(STRABISMUS in inf & child) (AMBLYOPIA in inf & child)

CZECHOSLOVAKIA

J. NISPERG and K. DAVUTSK, Psychiatric Clinic of Medical Faculty of
J. E. Purkyne University (Psychiatricka klinika lekarske fakulty
University J. Ev. Purkyne,) Brno.

"Photometrazol Threshold in Therapy with Some Antidepressants."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 181-182.

Abstract : Studies in 29 patients: 14 on Imipramine, 7 ;rothiadene,
8 propanepine. Imipramine significantly (0.01) decreased by 27.9% the
photomyoclonic threshold following metrazol; prothiadene (0.05) by
21.2% and propanepine insignificantly by 7%. Concurrent advisability
of small doses of antiepileptics or barbiturates during imipramine
therapy is discussed.

1/1

MISUREC, J.; NAHUNEK, K.

Photometrazole threshold during therapy with various anti-depressive agents. Aktiv. nerv. sup. 5 no.2:181-182 My '63.

1. Psychiatricka klinika lekarske fakulty UJEP, Brno.

(IMIPRAMINE) (ANTIDEPRESSIVE AGENTS)
(PENTYLENETETRAZOLE) (NEURASTHENIA)
(PSYCHOSES) (SCHIZOPHRENIA)

L 13163-66 EWA(j)/EWA(b)-2 RO

ACC NR: AP6005690

SOURCE CODE: CZ/0079/65/007/002/0198/0199

AUTHOR: Misurec, J.

30
B

ORG: Psychiatric Clinic, J. Ev. Purkyne University, Brno

TITLE: Electroencephalogram of the therapeutic electroshock [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 198-199

TOPIC TAGS: EEG, psychoneurotic disorder, psychiatry

ABSTRACT: EEG records were made of 77 electroshocks (ES) applied to 16 patients hospitalized for endogenic depression. 43 to 7 ES were used. Prior to stimulation a deep relaxation with succinylcholine was effected. Paroxysms lasted from the application of the stimulus an average of 80 seconds, after the first shock 135 seconds. The CNS reacts in different manner to electric epileptogenic stimulus. Although an individual may have different types of paroxysms, the tendency to decreased frequency of spikes and a greater incidence of slow rhythms was more marked in older people. Aged patients tolerate less ES treatment, and show amnesic disorders and confusion after shock. The presence of slow waves is a sign of CNS damage, probably due to hypoxia. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 NW

L 3984C-66 CD-2

ACC NR: AP6019950

SOURCE CODE: CZ/0079/65/007/003/0231/0234

AUTHOR: Misurec, J.; Nahunek, K.

ORG: Psychiatric Clinic, Medical Faculty, J. Ev. Purkyne University, Brno
(Psychiatricka klinika lek. fak. UJEP)

TITLE: Photomyoclonic threshold in antidepressant therapy

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 231-234

TOPIC TAGS: nervous system drug, nervous system disease, EEG, pharmacology

ABSTRACT: Imipramine, prothiaden and propazepine lower the photomyoclonic threshold after 10 days of treatment (imipramine and prothiaden substantially, propazepine to a very small extent). These findings correspond to the antidepressive effect of these substances. Because the photomyoclonic threshold and the seizure threshold are closely related, the provocation of epileptic paroxysms by these drugs should be considered mainly for patients with anamnesis fits, or abnormal electroencephalograms. Orig. art. has: 2 figures. [SPS]

SUB CODE: 06/ SUBM DATE: 28Nov64 / ORIG REF: 002/ OTH REF: 024

Card 1/1 *45*

L 39821-06 07-2
 ACC NR: AF6020004 SOURCE CODE: CZ/0079/65/007/003/0291/0291
 AUTHOR: Nahunek, K. (Brno); Misurec, J.; Rodova, A.; Ingrovi, L.; Bartova, D.
 ORG: Psychiatric Clinic, J. Ev. Purkyno University, Brno; Psychiatric Hospital, Brno
 TITLE: Some clinical and experimental experience with proheptatrien ²² [This paper was
 presented at the 7th Annual Psychopharmacological Meeting, Jesonik, 20-23 January 1965]
 SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 291
 TOPIC TAGS: therapeutics, drug treatment, psychoneurotic disorder
 ABSTRACT: 42 women suffering from endogenic and involutional depression were treated
 with the drug. 24 patients showed favorable results and could be discharged. There
 were frequent side effects. 5 of the patients suffering from severe depression showed
 deterioration; 2 recovered after transfer to placebo; 3 were cured with electrocon-
 vulsions. In the course of the treatment no decrease in photometrazol threshold
 values could be found. [Orig. art. in Eng.] [JPRS]
 SUB CODE: 06 / SUM DATA: none

Card 1/1 45

D 29497-65

ACC NR: AP6020008

SOURCE CODE: CZ/0079/65/007/003/0293/0294

AUTHOR: Misurec, J. (Brno); Jaros, M.

23
B

ORG: Psychiatric Clinic, Brno

22-
TITLE: Electroconvulsive therapy combined with Nialamide in treatment of depression
[This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik,
20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 293-294

TOPIC TAGS: therapeutics, drug treatment, psychoneurotic disorder

ABSTRACT: A group of 16 patients treated with electric convulsion (EC) was compared to a group of 15 patients treated with EC and Nialamide. All had endogenous depressive states of the melancholic and manic-depressive type. The restoration of the clinical state and the number of ECs required did not differ in the two groups; however, patients who received Nialamide tolerated EC therapy better. The post-shock confusion was significantly lower in this group. This treatment is less stressful for the patient than EC treatment alone. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 JS

L 29495-66

SOURCE CODE: CZ/0071/65/007/003/0294/0295

ACC NR: AP6020009

24

B

AUTHOR: Misurec, J. (Brno); Bojanovsky, J.; Chloupkova, K.

ORG: Psychiatric Clinic, J. Ev. Purkyne University, Brno

TITLE: Treatment of depressive states with infusions of Nialamid [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 294-295

TOPIC TAGS: drug treatment, psychoneurotic disorder, psychotherapy

ABSTRACT: Nialamid infusions were used in 20 hospitalized patients. All suffered from various forms of depression. 45% of the patients had a feeling of relaxation after the infusion, and were suitably disposed for psychotherapeutic treatment. The number of patients who improved by the treatment was very small. The best way of using Nialamid is to combine it with electroshock treatment. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 JS

CZECHOSLOVAKIA

MAHUNEK, K.; RODOVA, A.; MISHUREC, J.; Psychiatric Clinic, J.E. Purkyne University, Brno. [Orig. version not given].

"The Efficacy of Interrupted and Continuous Administration of Prophetatriene in Endogenous Depression."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 364 - 365

Abstract: 76 patients with endogenous and involuntional depression requiring hospitalization were treated with Prophetatriene. The drug was administered continuously to 41 patients, and to 35 on a sporadic basis. The effect was 58.3% favorable in inhibitory depression, 55.5% in anxious depression; in atypical depressions it was favorable in 40.8%. Interrupted treatment was favorable in 62.8%. After 2 to 3 weeks it was possible to determine whether the treatment of a given patient will or will not be successful. 61 patients showed side effects in most cases of a very minor nature. Original doses should not be too high. 1 Figure, no references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

CZECHOSLOVAKIA

MISUREC, J.; Psychiatric Clinic (Psych. Klinika), Brno - Bohunice.

"Non-Specific Changes in the EEG Provoked by Metrazole and the Influence of Some Antidepressive Drugs on Them."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 366 - 367

Abstract: Use of Metrazole in the diagnosis of epilepsy is described. Metrazole affects both cortical and subcortical regions and increases the excitability of diencephalic structures, which results in an easy provocation of a paroxysm in epilepsy of the centrocephalic type. The influence of thioridazine, fluphenazine, and imipramine on changes in the EEG recordings caused by Metrazole is discussed. Methods based on this action and resulting in a more accurate diagnosis are discussed. No references. Submitted at the 8th Annual Psychopharmacological Meeting at Jese-nik, 18 - 22 Jan 66.

1/1

of the pathological symptoms without research. (4 Bulgarian, 14 USSR, 10 Western). Russian and English summaries. Manuscript received Feb 64.
1/1

CZECHOSLOVAKIA

NAHUNEK, K.; RODOVA, A.; MISUREC, J.; Psychiatric Clinic, Medical Faculty, J.E. Purkyne University (Psychiatricka Klinika Lekarske Fakulty UJEvP), Brno.

"Clinical Tests with Proheptatrien in Endogenous Depressions. Influence on the Photomyoclonic Threshold."

Prague, Ceskoslovenska Psychiatrie, Vol 63, No 1, Feb 67, pp 34-39

Abstract /Authors' English summary modified/: Proheptatrien was administered to 76 patients suffering from endogenous depressions. Total effectiveness was recorded in 52.6%. The effect of the drug lies between that of imipramine and of phenothiazines. The improvement in the condition of the patients occurs in the 2nd and 3rd weeks. Side effects are frequent, but not serious. The photomyoclonic threshold was not influenced by the drug. 1 Figure, 1 Table, 3 Western, 5 Czech references. (Manuscript received 17 Jan 66).
1/1

MISUREC, R.; SVIKOVA, Z.

A highly efficient bath for nickel-plating. p.14.

CHECHOSLOVAK HEAVY INDUSTRY. (Ceskoslovenska obchodni komora) Praha,
Czechoslovakia. No.7, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol.9, no.1, Jan.1960.

Uncl.

MISUREC, Rudolf; POKORNY, Vladimir

A case of apneic pause in general anesthesia caused by neomycin.
Rozhl. chir. 40 no.4:241-243 Ap '61.

1. Chir. oddelení OUNZ Decín, prednosta MUDr. Jiri Rousek.

(ANESTHESIA GENERAL compl) (APNEA etiol)
(NEOMYCIN toxicol)

MISURKIN, I.A.; OVCHINNIKOV, A.A.

Calculation of bond distances and angles in molecules with conjugate bonds. Zhur. strukt. khim. 5 no.6:888-891 N-D '64. (MIRA 18:4)

1. Fiziko-khimicheskiy institut imeni Karpova.

ZHURAVL'YA, T.S.; MELNIKIN, I.A.

Distribution of spin density in the radicals of some acetylene derivatives. Zhur. strokt. khim. 5 no.4:656-658 Ag '64.
(MIRA 18:3)

1. Fiziko-khimicheskiy institut imeni Karpova.

MISURKIN, T.A.; OVCHINNIKOV, A.A.

Structure of a unidimensional chain of the polyene type. *Vysokom.*
soed. 6 no.6:1014-1021 Ja '62 (MLRA 18:2)

1. Fiziko-khimicheskiy institut imeni Karpova, Moskva.

MISURKIN, I.A.; OVCHINNIKOV, A.A.

Calculation of molecular vibration frequencies by the molecular
orbital method taking the benzene molecule as a model. Opt. i
spektr. 16 no.2:228-233 F '64. (MIRA 17:4)

L 04420-67 ENT(1)/ENT(2)/ENT(3) T(1) SE

ACC NR: AP6034268

SOURCE CODE: UR/0386/66/004/007/0248/0252

AUTHOR: Misurkin, I. A.; Ovchinnikov, A. A. 59
54
BORG: Physicochemical Scientific Research Institute im. L. Ya. Karpov (Nauchno-
issledovatel'skiy fiziko-khimicheskiy institut)TITLE: Electronic structure of long molecules with conjugated bonds ?SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
Prilozheniye, v. 4, No. 7, 1966, 248-252TOPIC TAGS: molecular electronics, complex molecule, metal property, chain polymer,
conjugated bond system

ABSTRACT: The authors show, with polyene ($(CH_2)_N$) as an example, that when the length (N) of a molecule with conjugated bonds increases the molecule does not become a one-dimensional metal, as is customarily assumed, since the experimental data show, to the contrary, that with increase in the length of the polyene chain the magnitude of the first electronic transition tends to a finite value ~ 2.24 ev. The gap in the spectrum that might be attributed to the transition of the molecule into a state with alternating bond lengths as $N \rightarrow \infty$ is one order of magnitude smaller than the experimental value. Furthermore, Langmuir oscillations in a one-dimensional system have an acoustic character, and consequently cannot explain the observed spectrum. The authors therefore propose an explanation of the experimental facts on the basis of an allowance for the electron repulsion. The wave function of the electrons of the chain is calculated

Card 1/2

I 04420-07

ACC NR: AP6034268

5
by the generalized method of the Hartree-Fock self-consistent field, and the ground-state function for arbitrary interaction parameters. The resultant spin density is shown to yield a qualitatively correct description of the behavior of the system. Final conclusions would depend on direct experiments to determine the spin structure of polyenes. Recent relevant conclusions by Yu. A. Iyichkov et al. (Pis'ma ZhETF, v. 2, 147, 1965; ZhETF v. 50, 738, 1965) that there is no transition to a nontrivial state with spin structure for a one-dimensional Fermi gas with repulsion between particles is shown not to be valid in a logarithmic approximation. The authors thank Ya. B. Zel'dovich for interest in the work and a number of remarks, and L. P. Pitaevskiy, L. P. Gor'kov, G. V. Ryazanov, and V. G. Vaks for valuable discussions and numerous critical remarks. Orig. art. has: 1 figure and 3 formulas.

SUB CODE: 20/ SUBM DATE: 26Jun66/ ORIG REF: 003/ OTH REF: 009

SWS

Card 2/2