

KOLESNIKOV, S.A.

Surgical treatment of acquired heart defects. Trudy Inst.
klin. i eksper. kard. AN Gruz. SSR 8:651-655 '63.
(MIRA 17:7)

1. Institut serdechno-sosudistoy khirurgii AMN SSSR, Moskva.

KOLESNIKOV, S.A.; TSUKERMAN, G.I.; DOBROVA, N.B.; KHARIN, V.Yu.; KUZ'MINA, N.B.;
SMUROVA, Ye.V.

Complete prosthesis of the mitral valve. Grud. khir. 6 no.4:16-20
Jl-Ag '64. (MIRA 18:4)

1. Institut serdechno-sosudistoy khirurgii (dir. - prof. S.A.
Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR, Moskva. Adres avtorov: Moskva, V-49, Leninskiy prospekt,
d. 8, Institut serdechno-sosudistoy khirurgii.

KOLESNIKOV, S.A.; TSUKERMAN, G.I.; BADALYAN, L.O.; KYO, E.P.; DERZHAVETS,
L.Kh.

Thromboembolic complications in mitral commissurotomy.
Vest. khir. 92 no.2:17-23 F '64. (MIRA 17:9)

1. Iz otdeleniya priobretennykh porokov serdtsa Instituta
serdechno-sosudistoy khirurgii (dir.- prof. S.A. Kolesnikov,
nauchnyy rukovoditel'- akademik A.N. Bakulev) AMN SSSR.
Adres avtorov: Moskva, V-49, Leninskiy prospekt, 8, Institut
serdechno-sosudistoy khirurgii AMN SSSR.

BAKULEV, A.N., akademik, red.; KOLESNIKOV, S.A., prof., red.;
ROVNOV, A.S., prof., red.; RAPOPORT, YA.L., prof., red.;
NEZLIN, V.Ye., prof., red.; HEREZOV, Yu.Ye., prof., red.;
STOLYPIN, P.G., nauchn. sotr., red.; LORIYE, K.M.,
nauchn. sotr., red.; POKROVSKIY, A.V., nauchn. sotr., red.;
TSENTSIPER, M.B., nauchn. sotr., red.; ARAPOV, A.D., red.

[Surgical treatment of coronary disease] Khirurgicheskoe
lechenie koronarnoi bolezni. Moskva, Meditsina, 1965.
269 p. (MIRA 18:1)

1. Direktor Instituta serdechno-sosudistoy khirurgii
AMN SSSR (for Kolesnikov).

KOLESNIKOV, S.A.; TSUKERMAN, G.I.; GOLIKOV, G.T.; DOBROVA, N.B.; SMUROVA, Ye.V.;
BERSHADEKHO, D.D.

Results of the use of an artificial tricuspid valve in surgical
treatment of aortal insufficiency. Grad. khir. 6 no.5:3-8 3-0
'64. (MIRA 18:4)

1. Institut serdtshechno-sosudistoy khirurgii (dir. - prof. S.A.
Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN
SSSR, Moskva. Adres avtora: Moskva, V-49, Leninskiy prospekt
dom 8, Institut serdtshechno-sosudistoy khirurgii.

KOLESNIKOV, S.A.; STEPANYAN, Ye.P.; OL'SHANSKAYA, A.D.

Effect of artificial blood circulation during moderate hypothermia on the factors of the blood coagulation and anticoagulation systems in patients with acquired heart defects. Grud. khir. 6 no.6:16-20 N-D '64. (MIRA 18:7)

1. Institut serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolesnikov; nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR, Moskva. Adres avtorov: Moskva V-49, Leninskiy prosp. d.8, Institut serdechno-sosudistoy khirurgii.

BEREZOV, Yu.Ye., prof., red.; KOLESNIKOV, S.A., red.; ROVNOV,
A.S., red.; POKROVSKIY, A.V., red.; RABOTNIKOV, V.S.,
red.; STOLYPIN, P.G., red.; TSENTSIPER, M.B., red.

[Surgery on the aorta and the main large vessels] Khirurgia
aorty i krupnykh magistral'nykh sosudov. Moskva, Meditsina,
1965. 254 p. (MIRA 18:7)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut
serdechno-sosudistoy khirurgii.

BAKULEV, A.N., akademik; BUNYATYAN, A.A., kand. med. nauk;
BURAKOVSKIY, V.I., doktor med. nauk; BUYANOV, V.M., dots.;
GULYAYEV, A.V., prof.; ZARETSKIY, V.V., doktor med. nauk;
IVANOV, V.A., prof.; KOLESNIKOV, S.A., prof.; LOBACHEV,
S.V., prof.; LOPUKHIN, Yu.M., prof.; MURATOVA, Kh.N., doktor
med. nauk; PETROVSKIY, B.V., zasl. deyatel' nauki RSFSR, prof.;
SAVEL'YEV, V.S., prof.; SERGEYEV, V.M., doktor med. nauk;
SOLOV'YEV, G.M., prof.; SOLOV'YEVA, I.P.; BURAKOVSKIY, V.I.,
red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khi-
rurgii. Moskva, Meditsina. Vol.6. Pt.1. 1965. 577 p.
(MIRA 18:10)

1. Deystvitel'nyy chlen AMN SSSR (for Petrovskiy).

L 25629-66 EWT(m)/EWP(f)/T DJ/RM

ACC NR: AP6015645

(A)

SOURCE CODE: UR/0413/66/000/009/0055/0055

INVENTOR: Andrianov, K. A.; Vasil'yev, Yu. N.; Vorob'yev, Yu. F.; Kolesnikov, S. A.
Sigarev, A. M.; Khananashvili, L. M.

ORG: none

39
8

TITLE: Antifriction lubricant. Class 23, No. 181222

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 55

TOPIC TAGS: molybdenum disulfide, solid lubricant, silicone lubricant

ABSTRACT: An Author Certificate has been issued for an antifriction lubricant based on molybdenum disulfide. To improve its quality, the lubricant is formulated to include petroleum coke, and polymethylphenylsiloxane and polyaluminophenylsiloxane resins. [SM]

SUB CODE: 11/ SUBM DATE: 06Mar65/ ATD PRESS: 4255

Card 1/1 FV

UDC: 621.893

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VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.;
 OSTROVSKIY, G.I.; POVERENNYI, L.D.; SUSHKOV, P.M., inzh.;
 TYULENEV, N.Z., inzh. Prinsipialni uchastiye: GALIYANOVA, N.S., inzh.;
 PUTEYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.;
 MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.N., inzh.; TARASOVA,
 S.N.; FASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F., inzh.,
 nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV,
 S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk,
 nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.;
 IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S.,
 zam. glav. red.; DOERYNIN, S.N., red.; NAZAROV, I.A., red.;
 KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A., red.;
 STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDEYEV, P.A.,
 red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public
 buildings and structures; organization of construction and execu-
 tion of building and assembly operations. Industrial construc-
 tion] Spravochnik proektirovshchika promyshlennykh, zhilykh i
 obshchestvennykh zdani i sooruzhenii; organizatsia stroitel'-
 stva i proizvodstvo stroitel'no-montazhnykh rabot. Promyshlen-
 noe stroitel'stvo. Pod red. P.M.Sushkova. Moskva, Gos.izd-vo
 lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 372 p.
 (MIRA 15:2)

(Industrial buildings)

SAPOZHNIKOV, Mikhail Mikhailovich; KOLESNIKOV, Sergey Markovich; VEESLER,
Z.Ya., redaktor; OTOCHEVA, M.A., redaktor Izdatel'stva; ZHOROV, D.M.,
tekhnicheskiy redaktor

[Repair of indoor water supply and sewer systems] Remont vnutrennikh
sistem vodoprovoda i kanalizatsii. Moskva, Izd-vo Ministerstva kom-
munal'nogo khoziaistva RSFSR, 1956. 182 p. (MLRA 9:8)
(Plumbing)

MATSYUK, L.S., *otv. red.*; VARTICHAN, I.K., *red.*; GEYDEMAN, T.S., *red.*;
DIKUSAR, I.G., *red.*; ZUBKOV, A.A., *red.*; IVANCHUK, P.K., *red.*;
KOVARSKIY, A.Ye., *red.*; KOLESNIKOV, S.M., *red.*; KONSTANTINOV,
M.K., *red.*; MOKHOV, N.A., *red.*; SAYANOV, V.S., *red.*; TABUNSHCHIK,
F.Z., *red.*; CHEBOTAR', A.A., *red.*

[Transactions of the First Conference of Young Moldavian Sci-
entists] Trudy pervoi nauchnoi konferentsii molodykh uchenykh
Moldavii, 1958. Kishinev, Gos. izd-vo "Kartia Moldoveniaske,
1960. 390 p.
(MIRA 15:3)

1. Nauchnaya konferentsiya molodykh uchenykh Moldavii, 1st,
1958. 2. Institut biologii Moldavskogo filiala Akademii nauk
SSSR (for Kolesnikov, Chebotar'). 3. Institut geologii i po-
leznykh iskopayemykh Moldavskogo filiala Akademii nauk SSSR
(for Sayanov).

(Moldavia—Science—Congresses)

DMITRIYEV, N.; ZELENOVA, Lidiya Andreyevna; KUVAKOV, Mikhail
Yemel'yanovich. Prinimali uchastiye: KOLESNIK, I.A.;
KOLESNIKOV, S.M.; MAKOVSKAYA, O.V.; YERASHOVA, I., red.;
IVANOV, N., tekhn. red.

[Plant and animal world of Kaluga Province] Rastitel'nyi i
zhivotnyi mir Kaluzhskoi oblasti. Kaluga, Kaluzhskoe knizhnoe
izd-vo. No.1. [Animal world] Zhivotnyi mir. 1962. 184 p.
(MIRA 15:6)

(Kaluga Province—Zoology)

MEKHED, G.N.; KOLESNIKOV, S.M.

Automatic presses. Biul. tekhn.-ekon. inform. no.10:88-92 '59.
(Power presses) (MIRA 13:3)

MAKHED, G.H.; KOLESNIKOV, S.M.

Using blasting techniques in sheet-metal stamping. Biul.
tekh.-ekon.inform. no.2:88-93 '60. (MIRA 13:6)
(Sheet-metal work)

KOLESNIKOV, S.M.

Using the principle of high-speed deformation in metalwork.
Biul. tekhn.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform.
no.3:78-82 '62. (MIRA 15:5)

(Metalwork)

NR. AP4019023

Slesnikov, S. M.

S:0182.64 000 002.0009/0013

Effect of the rate of deformation on resistance to deformation in copper and
during cold upsetting

...shstampovochnoye proizvodstvo, no. 2, 1964, 9-13

...initial dynamic deformation, copper strain resistance, duralumin strain
...deformation resistance, aluminum alloy deformation resistance

Methods and equipment have been developed for determining the resistance
during cold upsetting of M2 copper and D16 duralumin at initial strain
rates of 3 mm/min to 35 m/sec. The stress-strain curves were found
for those for static conditions. Analysis of these curves showed that the
yield strength (to deformation) increases as the strain rate rises. Thus the yield
strength of duralumin and copper increased by 53% and 38% respectively when the
strain rate increased to $2.35 \times 10^3 \text{ sec}^{-1}$. The plasticity (measured as the
elongation) of Duralumin increased by 50% when the strain rate was increased
to $2.35 \times 10^3 \text{ sec}^{-1}$, indicating that high strain rates are advantageous in the

NR: AP4019023

ing of Duralumin. The work of deformation was found to increase uniformly
strain rate, while the dynamic work coefficient (the ratio of the dynamic deforma-
tion work to the static deformation work) generally decreased with increasing deformation,
maximal values (1.42 for Cu and 1.18 for Duralumin) at deformations of 0.3
respectively. Orig. art. has: 4 figures.

none

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AS

NO REF SOV: 008

ENCL: 00

OTHER: 005

ST. NEUKOVICH, K.P., doktor fiz.-matem.nauk; KOLEN NIKOV, S.M.,
mlad. nauchn. sotr.; FAYNBOYM, I.B., red.

[Gravitation] Gravitatsia. Moskva, Izd-vo "Znanie,"
1964. 45 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya:
Fizika, matematika, astronomia, no.15) (MIRA 17:8)

KOLESNIKOV, S.M., inzh.

Limit in the use of rates of deformation in tensile and compression testing of materials. Trudy MVTU no.111:188-199 '64.

Instruments and equipment for the investigation of materials at high rates of deformation. Ibid.:200-222 (MIRA 17:9)

KOLESNIKOV, S.M.

Selectivity of fertilization in plants depending on the developmental stage of the flower. Uch. zap. Kish. un. 13:175-182 '54.

(MLRA 9:10)

(Fertilization of plants)

KOLESHNIKOV, S.M., kand.biol.nauk

Selectivity of fertilization in wheat and rye as related to the age
of the flower. Trudy Kish. Sel'khoz. inst. 3:61-91 '55.

(Wheat breeding) (Rye breeding)

(MIRA 11:7)

KOLESNIKOV, S.M., kand.biol.nauk

Selectivity of fertilization in the poppy as related to the age of
the flower. Trudy Kish. Sel'khoz. inst. 3:93-125 '55. (MIRA 11:7)
(Poppy) (Fertilization of plants)

KOLESNIKOV, S.M., kand. biol. nauk; KRYLOVA, V.V., nauchnyy sotrudnik

Recent developments in the technique of vegetative hybridization of herbaceous plants. Trudy Kish. sel'khoz. inst. 3:217-236 '55.

(Grafting) (Hybridization, Vegetable)

(MIRA 11:7)

KOLPENTKOV, S.M.

Effect of the rate of forming on the center of deformation
during high-speed closed-die forging. Kuz.-shtam. proizv. 7
no.8:1-6 Ag '65.
(MIRA 18:9)

KOLESNIKOV, S.M., inzh.

Effect of the rate of deformation on the force of cold
extrusion. Vest.mashinostr. 45 no.8:52-55 Ag '65.

(MIRA 18:12)

KOLESNIKOV, S.M. (Moskva); STANYUKOVICH, K.P. (Moskva)

Nonstationary adiabatic centrally symmetrical motions of matter
in the general theory of relativity. Prikl. mat. i mekh. 29 no.4:
716-722 J1-Ag '65. (MIRA 18:9)

ENT(m)/ENAL(d)/ENP(t)/ENP(k)/ENI(s) / ENI(b) ENI(c) ENI(e) ENI(f) ENI(g) ENI(h) ENI(i) ENI(j) ENI(k) ENI(l) ENI(m) ENI(n) ENI(o) ENI(p) ENI(q) ENI(r) ENI(s) ENI(t) ENI(u) ENI(v) ENI(w) ENI(x) ENI(y) ENI(z) ENI(aa) ENI(ab) ENI(ac) ENI(ad) ENI(ae) ENI(af) ENI(ag) ENI(ah) ENI(ai) ENI(aj) ENI(ak) ENI(al) ENI(am) ENI(an) ENI(ao) ENI(ap) ENI(aq) ENI(ar) ENI(as) ENI(at) ENI(au) ENI(av) ENI(aw) ENI(ax) ENI(ay) ENI(az) ENI(ba) ENI(bb) ENI(bc) ENI(bd) ENI(be) ENI(bf) ENI(bg) ENI(bh) ENI(bi) ENI(bj) ENI(bk) ENI(bl) ENI(bm) ENI(bn) ENI(bo) ENI(bp) ENI(bq) ENI(br) ENI(bs) ENI(bt) ENI(bu) ENI(bv) ENI(bw) ENI(bx) ENI(by) ENI(bz) ENI(ca) ENI(cb) ENI(cc) ENI(cd) ENI(ce) ENI(cf) ENI(cg) ENI(ch) ENI(ci) ENI(cj) ENI(ck) ENI(cl) ENI(cm) ENI(cn) ENI(co) ENI(cp) ENI(cq) ENI(cr) ENI(cs) ENI(ct) ENI(cu) ENI(cv) ENI(cw) ENI(cx) ENI(cy) ENI(cz) ENI(da) ENI(db) ENI(dc) ENI(dd) ENI(de) ENI(df) ENI(dg) ENI(dh) ENI(di) ENI(dj) ENI(dk) ENI(dl) ENI(dm) ENI(dn) ENI(do) ENI(dp) ENI(dq) ENI(dr) ENI(ds) ENI(dt) ENI(du) ENI(dv) ENI(dw) ENI(dx) ENI(dy) ENI(dz) ENI(ea) ENI(eb) ENI(ec) ENI(ed) ENI(ee) ENI(ef) ENI(eg) ENI(eh) ENI(ei) ENI(ej) ENI(ek) ENI(el) ENI(em) ENI(en) ENI(eo) ENI(ep) ENI(eq) ENI(er) ENI(es) ENI(et) ENI(eu) ENI(ev) ENI(ew) ENI(ex) ENI(ey) ENI(ez) ENI(fa) ENI(fb) ENI(fc) ENI(fd) ENI(fe) ENI(ff) ENI(fg) ENI(fh) ENI(fi) ENI(fj) ENI(fk) ENI(fl) ENI(fm) ENI(fn) ENI(fo) ENI(fp) ENI(fq) ENI(fr) ENI(fs) ENI(ft) ENI(fu) ENI(fv) ENI(fw) ENI(fx) ENI(fy) ENI(fz) ENI(ga) ENI(gb) ENI(gc) ENI(gd) ENI(ge) ENI(gf) ENI(gg) ENI(gh) ENI(gi) ENI(gj) ENI(gk) ENI(gl) ENI(gm) ENI(gn) ENI(go) ENI(gp) ENI(gq) ENI(gr) ENI(gs) ENI(gt) ENI(gu) ENI(gv) ENI(gw) ENI(gx) ENI(gy) ENI(gz) ENI(ha) ENI(hb) ENI(hc) ENI(hd) ENI(he) ENI(hf) ENI(hg) ENI(hh) ENI(hi) ENI(hj) ENI(hk) ENI(hl) ENI(hm) ENI(hn) ENI(ho) ENI(hp) ENI(hq) ENI(hr) ENI(hs) ENI(ht) ENI(hu) ENI(hv) ENI(hw) ENI(hx) ENI(hy) ENI(hz) ENI(ia) ENI(ib) ENI(ic) ENI(id) ENI(ie) ENI(if) ENI(ig) ENI(ih) ENI(ii) ENI(ij) ENI(ik) ENI(il) ENI(im) ENI(in) ENI(io) ENI(ip) ENI(iq) ENI(ir) ENI(is) ENI(it) ENI(iu) ENI(iv) ENI(iw) ENI(ix) ENI(iy) ENI(iz) ENI(ja) ENI(jb) ENI(jc) ENI(jd) ENI(je) ENI(jf) ENI(jg) ENI(jh) ENI(ji) ENI(jj) ENI(jk) ENI(jl) ENI(jm) ENI(jn) ENI(jo) ENI(jp) ENI(jq) ENI(jr) ENI(js) ENI(jt) ENI(ju) ENI(jv) ENI(jw) ENI(jx) ENI(jy) ENI(jz) ENI(ka) ENI(kb) ENI(kc) ENI(kd) ENI(ke) ENI(kf) ENI(kg) ENI(kh) ENI(ki) ENI(kj) ENI(kk) ENI(kl) ENI(km) ENI(kn) ENI(ko) ENI(kp) ENI(kq) ENI(kr) ENI(ks) ENI(kt) ENI(ku) ENI(kv) ENI(kw) ENI(kx) ENI(ky) ENI(kz) ENI(la) ENI(lb) ENI(lc) ENI(ld) ENI(le) ENI(lf) ENI(lg) ENI(lh) ENI(li) ENI(lj) ENI(lk) ENI(ll) ENI(lm) ENI(ln) ENI(lo) ENI(lp) ENI(lq) ENI(lr) ENI(ls) ENI(lt) ENI(lu) ENI(lv) ENI(lw) ENI(lx) ENI(ly) ENI(lz) ENI(ma) ENI(mb) ENI(mc) ENI(md) ENI(me) ENI(mf) ENI(mg) ENI(mh) ENI(mi) ENI(mj) ENI(mk) ENI(ml) ENI(mn) ENI(mo) ENI(mp) ENI(mq) ENI(mr) ENI(ms) ENI(mt) ENI(mu) ENI(mv) ENI(mw) ENI(mx) ENI(my) ENI(mz) ENI(na) ENI(nb) ENI(nc) ENI(nd) ENI(ne) ENI(nf) ENI(ng) ENI(nh) ENI(ni) ENI(nj) ENI(nk) ENI(nl) ENI(nm) ENI(nn) ENI(no) ENI(np) ENI(nq) ENI(nr) ENI(ns) ENI(nt) ENI(nu) ENI(nv) ENI(nw) ENI(nx) ENI(ny) ENI(nz) ENI(oa) ENI(ob) ENI(oc) ENI(od) ENI(oe) ENI(of) ENI(og) ENI(oh) ENI(oi) ENI(oj) ENI(ok) ENI(ol) ENI(om) ENI(on) ENI(oo) ENI(op) ENI(oq) ENI(or) ENI(os) ENI(ot) ENI(ou) ENI(ov) ENI(ow) ENI(ox) ENI(oy) ENI(oz) ENI(pa) ENI(pb) ENI(pc) ENI(pd) ENI(pe) ENI(pf) ENI(pg) ENI(ph) ENI(pi) ENI(pj) ENI(pk) ENI(pl) ENI(pm) ENI(pn) ENI(po) ENI(pp) ENI(pq) ENI(pr) ENI(ps) ENI(pt) ENI(pu) ENI(pv) ENI(pw) ENI(px) ENI(py) ENI(pz) ENI(qa) ENI(qb) ENI(qc) ENI(qd) ENI(qe) ENI(qf) ENI(qg) ENI(qh) ENI(qi) ENI(qj) ENI(qk) ENI(ql) ENI(qm) ENI(qn) ENI(qo) ENI(qp) ENI(qq) ENI(qr) ENI(qs) ENI(qt) ENI(qu) ENI(qv) ENI(qw) ENI(qx) ENI(qy) ENI(qz) ENI(ra) ENI(rb) ENI(rc) ENI(rd) ENI(re) ENI(rf) ENI(rg) ENI(rh) ENI(ri) ENI(rj) ENI(rk) ENI(rl) ENI(rm) ENI(rn) ENI(ro) ENI(rp) ENI(rq) ENI(rr) ENI(rs) ENI(rt) ENI(ru) ENI(rv) ENI(rw) ENI(rx) ENI(ry) ENI(rz) ENI(sa) ENI(sb) ENI(sc) ENI(sd) ENI(se) ENI(sf) ENI(sg) ENI(sh) ENI(si) ENI(sj) ENI(sk) ENI(sl) ENI(sm) ENI(sn) ENI(so) ENI(sp) ENI(sq) ENI(sr) ENI(ss) ENI(st) ENI(su) ENI(sv) ENI(sw) ENI(sx) ENI(sy) ENI(sz) ENI(ta) ENI(tb) ENI(tc) ENI(td) ENI(te) ENI(tf) ENI(tg) ENI(th) ENI(ti) ENI(tj) ENI(tk) ENI(tl) ENI(tm) ENI(tn) ENI(to) ENI(tp) ENI(tq) ENI(tr) ENI(ts) ENI(tt) ENI(tu) ENI(tv) ENI(tw) ENI(tx) ENI(ty) ENI(tz) ENI(ua) ENI(ub) ENI(uc) ENI(ud) ENI(ue) ENI(uf) ENI(ug) ENI(uh) ENI(ui) ENI(uj) ENI(uk) ENI(ul) ENI(um) ENI(un) ENI(uo) ENI(up) ENI(uq) ENI(ur) ENI(us) ENI(ut) ENI(uy) ENI(uz) ENI(va) ENI(vb) ENI(vc) ENI(vd) ENI(ve) ENI(vf) ENI(vg) ENI(vh) ENI(vi) ENI(vj) ENI(vk) ENI(vl) ENI(vm) ENI(vn) ENI(vo) ENI(vp) ENI(vq) ENI(vr) ENI(vs) ENI(vt) ENI(vu) ENI(vv) ENI(vw) ENI(vx) ENI(vy) ENI(vz) ENI(wa) ENI(wb) ENI(wc) ENI(wd) ENI(we) ENI(wf) ENI(wg) ENI(wh) ENI(wi) ENI(wj) ENI(wk) ENI(wl) ENI(wm) ENI(wn) ENI(wo) ENI(wp) ENI(wq) ENI(wr) ENI(ws) ENI(wt) ENI(wu) ENI(wv) ENI(wy) ENI(wz) ENI(xa) ENI(xb) ENI(xc) ENI(xd) ENI(xe) ENI(xf) ENI(xg) ENI(xh) ENI(xi) ENI(xj) ENI(xk) ENI(xl) ENI(xm) ENI(xn) ENI(xo) ENI(xp) ENI(xq) ENI(xr) ENI(xs) ENI(xt) ENI(xu) ENI(xv) ENI(xw) ENI(xy) ENI(xz) ENI(ya) ENI(yb) ENI(yc) ENI(yd) ENI(ye) ENI(yf) ENI(yg) ENI(yh) ENI(yi) ENI(yj) ENI(yk) ENI(yl) ENI(ym) ENI(yn) ENI(yo) ENI(yq) ENI(yr) ENI(ys) ENI(yt) ENI(yu) ENI(yv) ENI(yw) ENI(yx) ENI(yz) ENI(za) ENI(zb) ENI(zc) ENI(zd) ENI(ze) ENI(zf) ENI(zg) ENI(zh) ENI(zi) ENI(zj) ENI(zk) ENI(zl) ENI(zm) ENI(zn) ENI(zo) ENI(zp) ENI(zq) ENI(zr) ENI(zs) ENI(zt) ENI(zu) ENI(zv) ENI(zw) ENI(zx) ENI(zy) ENI(zz)

ACCESSION NR: AP5020980

UR/0182/65/000/008/0001/0006

AUTHOR: Kolesnikov, S. M.

TITLE: Effect of deformation rate on the area of deformation in high speed cold closed die forging

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 8, 1965, 1-6

TOPIC TAGS: copper, duralumin, deformation rate, metal forming, closed die forging, material deformation/M2 copper, D16 duralumin

ABSTRACT: This investigation to determine the effect of deformation rate increase on the dimensions and shape of the area of deformation in cold closed die forging was conducted at the Bauman AM-6 MVTU Laboratory. Copper M2 and duralumin D16 were formed at rates of 2 mm/min to 8 m/sec and 2 mm/min to 23 m/sec, respectively. It was found that the effect of the rate of forming on the size and shape of the area of deformation in cold forming depended on the billet material--it had little effect on the relatively high melting copper, but significantly affected the low melting duralumin. Increasing the rate of forming significantly changed the area of deformation of the low melting metal when going from static to dyna-

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L 1699-66

ACCESSION NR: AP5020980

6
mic forming (from 2 mm/min to 6 m/sec), but at higher forming rates this effect was practically imperceptible. Changes in the area of deformation with forming rates up to 25 m/sec are not determined by inertia, but by temperature effects, and are expressed in terms of a decrease in the depth and an increase in the localization of the area of deformation. This increase in localization of deformation during dynamic extrusion can rupture the billet when working alloys of low ductility. This tendency to fracture cannot be reduced by lubricants alone; the ductility of the metal must be increased or the shape of the end of the punch must be changed to reduce the irregularity of the metal flow in the area of the deformation. The work was conducted under the direction of Dr. of Engineering Sciences Prof. A. I. Zimina with the assistance of Engr. V. F. Urakov. Orig. art. has: 5 figures and 2 tables

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SOV: 006

OTHER: 001

Card 2/2 *HP*

F KOLESNIKOV, S.N.

D

370. PRODUCTION OF BRIOLETTES FROM WOOD WASTE. Kolesnikov, S.N.,
Melnikov, S.G., Shashnikov, N.O. and Ktorov, A.V. (Lesnaya Prom. (Timber
Ind.), Dec. 1950, 20, 21).

PETROV, A.D.; NEFEDOV, O.M.; KOLESNIKOV, S.P.

Synthesis and pyrolysis of 1-substituted 7, 7-dichloronorcaranes.
Zhur.VKHO 6 no.4:471-472 '61. (MIRA 14:7)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Norcarane)

NEFEDOV, O.M.; KOLESNIKOV, S.P.

Etherates of trichlorogermane. Izv. AN SSSR. Ser. khim. no.11:
2068 N '63. (MIRA 17:1)

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

NEFEDOV, O. M.; KOLESNIKOV, S. P.

Formation and telomerization of germanium carbencoids. Izv AN
SSSR Ser Khim no. 4:773-774 Ap '64. (MIRA 17:5)

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

52599-65 EWT(m)/EPF(e)/EWP(j) Pc-4/Pz-4 RM
ACCESSION NR: APS015856 UR/0062/64/000/012/2224/2226

AUTHOR: Nefedov, O. M.; Kolesnikov, S. P.; Makhova, N. N.

TITLE: Reducing properties of trichlorogermans and its etherates

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1964, 2224-2226

TOPIC TAGS: chemical reduction, ether, chlorine, germanium, germanium compound

Abstract: The high reducing ability of trichlorogermane and its etherates with respect to inorganic and organic compounds was established. Thus, aromatic nitrocompounds are readily reduced to the corresponding amines in 80-90% yield, while $FeCl_2$ is formed in quantitative yield through the action of the etherate on $FeCl_3$. This reducing ability is related to the structure of these germanium compounds and their tendency to dissociate, generating $FeCl_2$. The etherate exhibits this tendency to an even greater degree than $GeCl_4$ itself. The presence of halogen atoms, sulfo-groups, carbon-carbon multiple bonds, and other functional groups in the molecule of the aromatic nitrocompound to be reduced does not prevent the above-mentioned

5.599-65

ACCESSION NR: AP5015856

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR
(Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 04 May 64

ENCL: 00

SUB CODE: IC, GC

NO REF SOV: 006

OTHER: 003

JPRE

ACCESSION NR: AF4019976

S/0020/64/154/006/1389/1392

AUTHOR: Nofedov, O. M.; Kolesnikov, S. P.; Khachaturov, A. S.; Petrov, A. D.
(Deceased, Corresponding member)

TITLE: Properties of 1,1-dichloro- and 1,1-dimethylgermane cyclopentenes-3

SOURCE: AN SSSR. Doklady*, v. 154, no. 6, 1964, 1389-1392

TOPIC TAGS: 1,1-dichloro-1-germanecyclopentene, 1,1-dimethylgermanecyclopentene-3, trichloro germane, 1,1-dichloro-1-germanecyclopentene-3, 1,1-dimethyl 1 germanecyclopentene 3, germanium compound, germanium

ABSTRACT: During the reaction of an excess of divinyl with HGeCl_3 at a temperature interval of -80 to 50°C , higher molecular germanium organic compounds are formed together with the compounds $\text{CH}_2\text{CH}=\text{CHCH}_2\text{GeCl}_3$ (I) and 1,1-dichloro-1-germane cyclopentene-3 (II). A dimeric was separated (yield 5%) which corresponded more closely to the structure $\text{H}(-\text{CH}_2\text{CH}_2-\text{CHCH}_2\text{GeCl}_2-)_2\text{Cl}$ (III) and also separated were liquid and solid polymers (weight relation 10:1), made up mostly of the monomer units $-\text{CH}_2\text{CH}_2-\text{CHCH}_2\text{GeCl}_2-$ (total yield 15-30%, molecular weight > 1500). The catalytic dehydrogenation of 1,1-dimethyl-1-germane cyclopentene-3 (IV) was also

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ACCESSION NR: AP4019976

studied. This unsaturated heterocycle dehydrates more easily and more fully than the substituted cyla- and germane cyclopentanes. Thus, at 450C over $Al_2O_3 \cdot Cr_2O_3 \cdot K_2O(84:14:2)$ or at 350-400C over 10% Pt/C, the conversion of (IV) is 60% with H_2 content in the gaseous dehydrogenation products from 96-98%, whereas the 1,1-dimethylgermane cyclopentane does not change in these conditions. However, 1,1-dimethylgermane cyclopentadiene-2,4 in pure form was not separated from the dehydrogenate because of its extreme tendency to condense. The structure of dimers and polymers developing from (II) and (IV) or directly from divinyl and $HGeCl_3$, like compounds of the general form $X(-CH_2CH=CHCH_2GeR_2-)Y$ ($R = Cl$ or CH_3 , X and $Y = H$ and Cl or CH_3) is shown by a significant similarity of proton spectra to a spectra of corresponding monomer heterocycles (II) and (IV). The presence of three basic types of protons in these compounds which correspond to the monomer unit $CH_2CH=CHCH_2Ge(CH_3)_2$ (τ 9.83-9.9; duplicate 8.47-8.49 and 8.30-8.36; 4.72-4.75 m.d.) is indicated. Orig. art. has: 2 figs.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskovo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences SSSR)

Card 2/3

ACCESSION NR: AP4019976

SUBMITTED: 14Sep63

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 006

OTHER: 002

Card 3/3

NEFEDOV, O.M.; KOLESNIKOV, S.P.; NOVITSKAYA, N.N.

Addition of trichlorogermans to cyclopropane derivatives. Izv.
AN SSSR. Ser. khim. no.3:579-580 '65. (MIRA 18:5)

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

NEFEDOV, O.M.; KOLESNIKOV, S.P.

Preparation of organogermanium oligomers and polymers by reactions of trichlorogermane and its etherates with unsaturated compounds. Vysokom. soed. 7 no.11:1857-1862 N '65.

(MIRA 19:1)

I. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.
Submitted November 27, 1964.

NEFEDOV, O.M.; KOLESNIKOV, S.P.; SHEYCHENKO, V.I.; SHEYNKER, Yu.N.

Etherates of trihalogermanes studies by nuclear magnetic resonance spectroscopy. Dokl. AN SSSR 162 no.3:589-592 My '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR i Institut khimii prirodnykh soyedineniy AN SSSR, Submitted July 21, 1964.

L 7886-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACC NR: AP5025039

SOURCE CODE: UR/0286/65/000/016/0085/0085

AUTHORS: Nefedov, O. M.; Kolesnikov, S. P.

ORG: none

TITLE: Method for obtaining germanium organic polymers. Class 39, No. 173951

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 85

TOPIC TAGS: *organogermanium* compound, polymer, ethylene, isobutylene, hexene

ABSTRACT: This Author Certificate presents a method for obtaining germanium organic polymers by reacting trichlorogermanium with unsaturated aliphatic compounds in a polar organic solvent. To increase the variety of starting compounds, ethylene, isobutylene, and n-hexene are used as unsaturated aliphatic compounds. The reaction is carried out at 20-30C.

SUB CODE: 07/

SUBM DATE: 27Aug64

Card 1/1

UDC: 678.86:546.289

KOLESHIKOV, S.P.; NEREDOV, O.M.

Addition of trichlorogermene at the aromatic multiple
carbon-carbon bonds. Zhur.VKHO 10 no.4:472-479 '65.

(MIRA 18:11)

I. Institut organicheskoy khimii imeni N.D.Zelinskogo
SN SECR.

26350-66	EWT(m)/EWP(j)	RM	SOURCE CODE: UR/0062/65/000/003/0579/0580
ACC NR: AP6012032	AUTHOR: Nefedov, O. M.; Kolesnikov, S. P.; Novitskaya, N. N.		37 8
ORG: Institute of Organic Chemistry Im. N. S. Zelinskiiy, AN SSSR (Institut Organicheskoy khimii AN SSSR)			
TITLE: Addition of trichlorogermane ^f to cyclopropane derivatives			
SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1965, 579-580			
TOPIC TAGS: cyclic group, aromatic hydrocarbon, germanium compound, chlorine compound, organogermanium compound			
ABSTRACT: Cyclopropane and its derivatives exhibit well-known unsaturation, which is evident, for example, in their capacity to add on such reagents as halogens, acids, salts of mercuric oxide. Accordingly, the reaction of cyclopropane derivatives with HGeCl ₃ (I), which is known to add readily to olefins and other unsaturated compounds, has become of considerable interest. It was found that (I) actually very readily adds on to aryl- and alkyl- substituted cyclopropanes to form the corresponding organotrichlorogermans, for example: $R-\text{CH}^{\text{cyclo}} + \text{HGeCl}_3 \rightarrow \text{Cl}_3\text{Ge}(\text{R})\text{CHCH}_2\text{CH}_3$. Thus, the reaction of 0.1 M phenylcyclopropane with 0.05 M (I) (80-100°, 25 minutes) leads to 1-phenyl-1-(trichlorogermanyl) propane, at a yield of 12.6 grams (85%), boiling point 125-126° (8 mm), n_D^{20} 1.5549; Cl found 35.8%, calculated 35.7%. [JPRS]			
SUB CODE: 07 / SUBM DATE: 06Jan65 / ORIG REF: 002			
Card 1/1	vmb	UDC: 542.91+661.718.6	

L 27337-66 EWT(m)/EWP(j)/T IJP(c) RM

ACC NR: AP60089-2

(A)

SOURCE CODE: UR/0190/65/007/011/1857/1862

AUTHORS: Nefedov, O. M.; Kolesnikov, S. P.

35
33
B

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, AN SSSR (Institut organicheskoy khimii AN SSSR)

TITLE: Preparation of organogermanium oligomers and polymers by reacting germanium trichloride and its etherates with unsaturated compounds

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1857-1862

TOPIC TAGS: organic synthetic process, germanium compound, polymer chemistry

ABSTRACT: Preparation of new heteroaliphatic and olefinic organogermanium oligomers and polymers has been investigated by using germanium trichlorides as a source of GeCl_4 groups which readily attack unsaturated bonds. Mono-olefins (ethylene, acetylene), 1,3-dienes (butadiene, isoprene), acetylene, and 1,3-unsaturated alcohols served as sources of double bonds, while diethyl ether was used as solvent. The chlorinated organogermanium oligomers and polymers formed according to the scheme

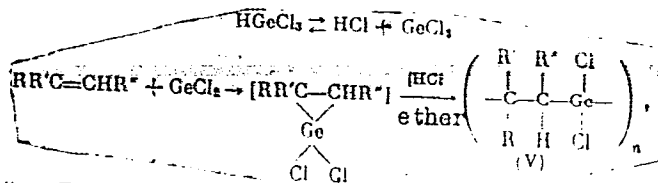
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Card 1/2

UDC: 541.64+678.86

L 27337-66

ACC NR: AP6008962



where R, R', and R'' = H, alkyl, alkenyl, are pale yellow viscous liquids or white powders having m. p. from 50--70C (in case of 1,3-dienes), or 250--350C (in case of C₂H₂, C₂H₄, iso-C₄H₈). The average molecular weight of the polymers was from 2500 to 6000. The presence of labile Ge-Cl bonds in addition to unsaturated carbon-carbon bonds makes these compounds suitable for a variety of chemical transformations. "The authors express their gratitude to L. A. Leytes and A. S. Khachaturov for help in performing spectral analyses." Orig. Ref. has: Figure, 2 formulas, 2 equations.

SUB CODE: 07/ SUBM DATE: 27Nov64/ ORIG REF: 006 INT REF: 003

Card 2/2

L 31366-66 EWP(j)/EWT(m) RM

ACC NR: AP6021098

SOURCE CODE: UR/0062/66/000/002/0201/0211

AUTHOR: Nefedov, O. M.; Kolesnikov, S. P.ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, AN SSSR (Institut organicheskoy khimii AN SSSR)TITLE: Etherates of trichlorogermanium as sources of germanium dichloride -- a germanium analog of dichlorocarbene

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 201-211

TOPIC TAGS: ether, organogermanium compound, organotin compound, halogenated organic compound, halide, analytic chemistry

ABSTRACT: A study of the physical and chemical properties of etherates of trichlorogermanium and other trihalogenides of germanium and tin shows that they have a carbenoid character and may serve in many reactions as sources of corresponding dihalogenides of germanium or tin -- inorganic analogs of dihalocarbenes. The germanium dichlorides and dibromides generated in this way, are more reactive than the monomeric carbenoids GeI_2 and SnCl_2 . The etherate of composition $2(\text{C}_2\text{H}_5)_2\text{O} \cdot \text{HGCl}_3$ is a volatile, oily greenish-yellow liquid, insoluble in ether and organic solvents, and decomposes upon distillation or prolonged storage. [JPRS]

SUB CODE: 07 / SUBM DATE: 03Aug65 / ORIG REF: 020 / OTH REF: 007

Card 1/1 CC

UDC: 543.422 + 546.289

L 31893-66 EWT(m)/EWP(j) RM

ACC NR: AP6012526

SOURCE CODE: UR/0062/66/000/003/0443/0452

AUTHOR: Kolesnikov, S. P.; Nefedov, O. M.; Sheychenko, V. I.

55
58

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Science SSSR
(Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Reaction of trichlorogermane with aromatic compounds and uncatalyzed addition of germanium chloroform at aromatic unsaturated bonds

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 443-452

TOPIC TAGS: organic synthesis, aromatic hydrocarbon, germanium compound, deuterated compound

ABSTRACT: Germanium chloroform displays extremely high reactivity in addition to olefins and acetylenes in the absence of catalysts and generally exothermally. Two of the authors reported previously [*Izv. ZN SSSR. Ser. Khim.*, 579, (1965)] addition of $HGeCl_3$ to alkyl- and arylsubstituted cyclopropanes with opening of the three-membered ring and formation of isoalkyl or aralkyltrichlorogermanes. The article describes addition of $HGeCl_3$ and along the aromatic unsaturated bonds which have not been investigated prior to this time. It is shown that the reaction of germanium

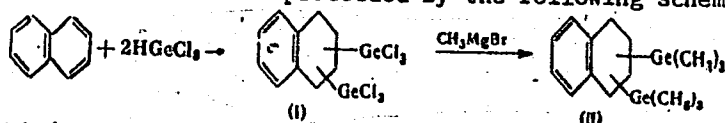
Card 1/4

UDC: 543.422 + 542.91 + 661.718.66

L 31893-66

ACC NR: AP6012526

chloroform with a number of aromatic compounds proceeds quite readily at moderate temperatures and without catalysts, contrary to the experience with hydrides of other elements of group IVB. The addition occurs not only at the olefinic and acetylene bonds, but also at the aromatic double bonds. Addition of HGeCl_3 to naphthalene was accomplished by single heating of equimolar mixture of reagents to 100-130°C for 10-25 min. The reaction proceeded by the following scheme:

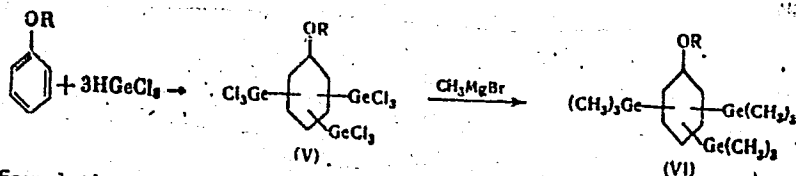


In addition to bis(trimethylgermyl)tetralines methylated reaction products of HGeCl_3 with naphthalene containing high boiling germanium hydrocarbons. Reaction of alkyl-naphthalenes with germanium chloroform proceeds even easier than with naphthalene and results in formation of isomeric bis(trichlorogermyl)alkyltetrahydronaphthalenes. In contrast to polynuclear aromatic hydrocarbons, benzene and alkylbenzenes do not add HGeCl_3 (even after prolonged boiling), but introduction of electron donor alkoxy group into the benzene ring promotes addition of germanium chloroform to the double bond of the benzene ring:

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ACC NR: AP6012526



It was also found that HGeCl₃ can be added to heteroaromatic systems. It was reacted exothermally with thiophene producing isomeric bis(trichlorogermyl) tetrahydrothiophenes. It was concluded that introduction of electron donor groups (CH₃, CH₃O, C₂H₅O) onto the ring facilitates the addition of HGeCl₃ at the aromatic double bond while electron acceptor groups such as halides hinder such a reaction. This indicates the electrophilic nature of the addition reaction of germanium chloroform to aromatic compounds. Such an exclusive nature of germanium chloroform among hydrides of group IVB elements is explained mainly by the strong acidic properties of this compound. To evaluate accurately the acid strength of HGeCl₃ and to determine its reactivity as a function of the basicity of aromatic hydrocarbon, experiments were conducted on deuterium exchange between DGeCl₃ and the benzene series hydrocarbons. Experiments show that while with toluene deuterium exchange does not take place even during 1 hr mixing with DGeCl₃ with more basic hydrocarbons (mesitylene, isodurene) DGeCl₃ acts as a strong acid capable of rapid deuterium exchange. Isotope exchange

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L 31893-66

ACC NR: AP6012526

3

data indicate the tendency of $HGeCl_3$ to ionize. The authors thank V. A. Koptug and M. I. Gorfinkel for assisting in the experiments on deuterium exchange and for the discussion of the results. The authors also thank M. G. Voronkova for commenting on the reaction mechanism. Orig. art. has: 3 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 03Sep65/ ORIG REF: 010/ OTH REF: 004

LS
Card 4/4

L 31887-66 EWT(m)/EWP(j)/T IJP(c) RM

ACC NR: AP6012537

SOURCE CODE: UR/0062/66/000/003/0584/0584

AUTHOR: Kolesnikov, S. P.; Shirayev, V. I.; Nefedov, O. M.

40
39
B

ORG: Institute of Organic Chemistry im. N. D. Zelinskogo, Academy of Sciences SSSR
(Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Germanium dichloride complex compound ↑

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 584

TOPIC TAGS: germanium compound, complex compound, chemical decomposition

ABSTRACT: During the study of the reaction of $HGeCl_3$ with diethers it was discovered (that contrary to the report of a previous communication [*Angew. Chem.*, 76, 498, (1964)] 1,4-dioxane does not produce trichlorogermane ether with $HGeCl_4$, but that they react upon the liberation of HCl . According to data obtained from elemental analysis, IR, NMR and molecular weight, they produce a crystalline complex compound of germanium dichloride $C_4H_8O_2 \cdot GeCl_2$. Formation of $C_4H_8O_2 \cdot GeCl_2$ from $HGeCl_3$ and dioxane is a direct proof of the ability of $HGeCl_3$ to dissociate easily upon the formation of $GeCl_2$. The complex is stable in air and upon aqueous hydrolysis

Card 1/2

UDC: 661.718.1

L 31887-66

ACC NR: AP6012537

produces $\text{Ge}(\text{OH})_2$, is insoluble in hydrocarbons, and reacts with ethanol and acetone. Upon heating, it decomposes at 140-210°C. With unsaturated compounds, the complex produces germanium organic monomers and polymers.

SUB CODE: 07/ SUBM DATE: 27Dec65/ ORIG REF: 004/ OTH REF: 002

LS

Card 2/2

KOLESNIKOV, T., Dr.

Obstetrics

Abstracts: Gynecology and obstetrics. Biul.Obshch.russ.zarub.vrachei no.2, 1948.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~8~~₂, Uncl.

KOLESHNIKOV, V.

Machine-Tractor Stations

Work of a tractor brigade in afforestation and grass seeding MTS 12 no. 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 195~~3~~⁴, Uncl.
2

ANTROPOV, Ye.; KOLESHNIKOV, V.

Plasma around us, IUn.tekh. 4 no.12:26-28 D '59.
(MIRA 13:4)

(Plasma (Ionized gases))

KOLESNIKOV, V.

Device for lapping valves of pumps and injectors. Avt.transp.
38 no.3:51 Mr '60. (MIRA 13:6)
(Grinding and polishing)

KOLESNIKOV, V., brigadir kompleksoy brigady.

General preparing of stopes for clearing work. Mast. ugl. 2 no. 4:7-8 Ap
'53. (MLBA 6:5)

1. Shakhta "Zapadnaya-Kapital'naya kombinata Rostovugol".
(Coal mines and mining)

KOLESNIKOV, V.

Tank for priming gearboxes and rear axles. Avt.transp.34 no.3:
25 Nr '56. (Automobiles--Transmission devices) (MIRA 9:7)

KUZ'MIN, S. (Moskva); KOLESHNIKOV, V. (g.Lugansk); MARININ, I.; RINKUS, K.;
POPRUGA, V.; OGORODNIKOV, K.; IVANOV, G.; YAKOVLEV, K. (g.Che-
boksary); FERULEV, A.

Readers's letters. Izobr.i rats. no.7:30-31 J1 '59.
(MIRA 12:11)

1. Predsedatel' zavodskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov teplovozostroitel'nogo ordena Lenina zavoda im. Oktyabr'skoy revolyutsii (for Kolesnikov). 2. Otvetatvennyy sekretar' rayonnoy gazety "Borisovskaya kommuna", Belgorodskaya obl. (for Marinip). 3. Nachal'nik Byuro sodeystviya ratsionalizatsii i izobretatel'stvy (BRIZ), g.Dneprozherzhinsk (for Rinkus). 4. Redaktor gazety "Znamya Dzerzhinki", g.Dneprodzerzhinsk (for Popruga). 5. Direktor Ural'skogo Doma tekhniki, g.Sverdlovsk (for Ogorodnikov). 6. Starshiy inzhener Byuro sodeystviya ratsionalizatsii i izobretatel'stvy (BRIZ) Voronezhskogo parovozoremontnogo zavoda imeni Dzerzhinskogo, g.Voronezh (for Ivanov). 7. Predsedatel' zavodskoy organizatsii Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Lys'venskogo metallurgicheskogo zavoda, g.Lys'va (for Ferulev).

(Efficiency, Industrial)

KOLESHNIKOV, V.

Pneumatic conveying of water glass. Mashinostroitel' no.10:34 '60.
(MIRA 13:10)

(Pneumatic-tube transportation)

KOLESNIKOV, V.; GRABARNIK, I., inzh.

System of indices and measurements of passenger fleet operations.
Mor. flot 21 no.12:5-7 D '61. (MIRA 14:12)

1. Nachal'nik otdela ekonomiki morskogo transporta Gosudarsevennogo
proyektno-konstruktorskogo i nauchno-issledovatel'skogo instituta
morskogo transporta (for Kolesnikov). 2. Gosudarstvennyy
proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut
morskogo transporta (for Grabarnik).
(Merchant marine--Passenger traffic)

KOLESNIKOV, V.; GUSEV, N., dotsent

Slabs of cellular concrete in industrial construction. Na stroi. Ras.
3 no.12:20-23 D 162. (MIRA 16:2)

1. Glavnyy inzh. tresta Promstroy (for Kolesnikov). 2. Penzenskiy
inzh.-stroitel'nyy institut (for Gusev).

KOLESNIKOV, V., inzh.

Finishing and waterproofing materials at the Exhibition
of Achievements of the National Economy of the U.S.S.R.
Stroitel' 8 no.2:12-15,18 F '62. (MIRA 16:2)
(Moscow--Exhibitions)
(Building materials--Exhibitions)

KOLESHNIKOV, V.

Organizing the schools of progressive work methods. Prof.-tekh.
obr. 20 no.5:28-30 My '63. (MIRA 16:7)

1. Nachal'nik otдела truda i zarabotncy platy Stroytresta No.1,
Taganrog Rostovskoy obl.
(Rostov--Plastering--Study and teaching)

KOLESNIKOV, Vladimir Aleksandrovich, starshiy prepodavatel'

Use of a vibrational viscosity meter in continuous control of the concentration of fibroid suspensions. Izv.vys.ucheb.zav.; elektromekh. 7 no.10:1289-1290 '64. (MIRA 18:1)

1. Kafedra energomekhanicheskogo oborudovaniya i avtomatiki Rostovskogo inzhenerno-stroitel'nogo instituta.

KOMAROV, A., doktor tekhn. nauk; FROLOV, G., inzh.; BAKHVALOVA, L., ekonomist; SOYUZOV, A., doktor tekhn. nauk; KOVALEV, A., inzh.; KOLESNIKOV, V., kand. tekhn. nauk

The system of general transportation indicators. Rech. transp. 24 no.7:3-7 '65. (MIRA 18:8)

1. Institut kompleksnykh transportnykh problem pri Gosekonomsoвете SSSR (for Bakhvalova). 2. Odesskiy institut inzhenerov morskogo flota (for Soyuzov). 3. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta (for Kovalev). 4. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta (for Kolesnikov).

SOV/137-58-7-15788

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 270 (USSR)

AUTHOR: Kolesnikov, V. A.

TITLE: Comparative Investigation of Carbon and Low-alloy Steel Under the Conditions of Cyclic Loading in an Elastic-plastic State (Sravnitel'noye issledovaniye uglerodistoy i nizkolegirovannoy stali v usloviyakh tsiklicheskogo nagruzheniya v uprugo-plasticheskoy stadii)

PERIODICAL: Tr. Mosk. in-ta khim. mashinostr., 1957, Vol 14, pp 19-30

ABSTRACT: The behavior of carbon steel St15K and low-alloy steel StNL2 in the state of elastic-plastic deformation on varying loading was investigated. Such conditions of loading are interesting because in different units of equipment, in particular in those where stresses are concentrated, a plastic deformation takes place, and the failure exhibits a fatigue-type character. Specimens with a rectangular cross section having a ratio of sides of 5:1, were cut lengthwise from a rolled sheet. To create stress concentrations central holes and crosswise grooves were made in the samples. The loading was performed in a symmetrical, pure, plane bending cycle with a frequency of 200 cycles per hour.

Card 1/2

SOV/137-58-7-15788

Comparative Investigation of Carbon and Low-alloy Steel

With an increase in the load the fatigue life of steel St15K decreased according to a linear and that of steel StN1-2 according to a curvilinear law. For a given fatigue life, steel StN1-2 can bear a greater load. If steel is to be compared in terms of the overload to σ_s , then the fatigue life of steel St N1-2 is lower than that of steel St 15K. The sensitivity of steel to stress concentration in the elastic-plastic stage of deformation is as high as in the elastic range. For every grade of steel there is a characteristic range of overload within which it is most sensitive to a stress concentrator. At an overload factor of 1.26-1.44 the St NL-2 steel is the least sensitive to stress concentrators, whereas steel St 15K within the same range of overload factors is the most sensitive to them.

N. K.

1. Steel--Deformation
2. Steel--Elasticity

Card 2/2

KOLESNIKOV, V. A., Candidate Tech Sci (diss) -- "The operation of reservoir-type soft steel in the presence of stress concentrators with an occasionally repeated load". Moscow, 1959. 14 pp (Min Higher Educ USSR, Moscow Inst of Chem Machine-building), 150 copies (KL, No 22, 1959, 115)

KOLESNIKOV, V.A., kand.tekhn.nauk

Investigating low-carbon and low-alloy steel under the effect
of a low number of stress cycles. Trudy TSNII MPS no.195:89-106
'60. (MIRA 13:9)

(Steel alloys--Fatigue)

KOLESHNIKOV, V. A.
KOLESHNIKOV, V.A., insh.

Extending the season for laying asphalt concrete pavements.
Avt. dor. 21 no.2:6-7 F '58. (MIRA 11:2)
(Road construction--Cold weather conditions)

KOLESNIKOV, V., kandidat tekhnicheskikh nauk; POPOV, G. (L'vov)

Natural loss during transportation of fruits and vegetables. Sov.torg.
no.8:47-49 Ag '57. (MLRA 10:8)
(Vegetables--Evaporation) (Fruit--Evaporation)

KOLESNIKOV, V.A., nauchnyy sotrudnik

Herbicides in cabbage fields. Zashch. rast. ot vred. i bol. 8
no.2:53-54 F '63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut ovoshchnogo khozyaystva,
poselok Grachi, Moskovskoy oblasti.
(Kizlyar region--Diseases and pests) (Kizlyar region--Weed control)

KOLESNIKOV, V.A.; MIKHAYLYUK, A.T.

New method of manufacturing labyrinth packings for type TV-80-1,6 gas pumps. Sakh.prom. 37 no.2:53(133)-55(135) F '63. (MIRA 16:5)

1. Ust'-Labinskiy sakharnyy zavod.
(Packing (Mechanical engineering)) (Pumping machinery)

KOLESNIKOV, V. A.

25742 KOLESNIKOV, V. A. Ukhod Za Kornevoy sistemoy Plodovykh Derev'ev.
Sad i ogord, 1948, No. 7, s. 3-7

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948.

KOLESNIKOV, V. A.

Kolesnikov, V. A. - "The garden of the South," Krym, No. 3, 1949, p. 170-73

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

KOLESIKOV, V. A.

Agriculture & Plant & Animal Industry

Fruit culture in the Crimea; biology; agronomy, species and varieties. Simferopol',
Krymizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.
2

1. KOLESNIKOV, V. A., Prof.
2. USSR (600)
4. Roots (Botany)
7. Root system of fruit plants and cultivation methods for getting high yields.
Sad i og. No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. KOLESNIKOV, V. A., Prof.
2. USSR (600)
4. Hazel--Crimea
7. Hazelnut and filbert in Crimea. Sad i og. no. 11 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KOLESHNIKOV, V.A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Kolesnikov, V.A.	"Fruitgrowing in the Crimea"	Moscow Agricultural Academy imeni K. A. Timiryazev

80: W-30604, 7 July 1954

KOLESNIKOV, V.A.

How to attain an abundant harvest from orchards; public lecture Moskva, Znanie, 1954. 31 p.

KOLESHNIKOV, V.A., professor.

Hazelnut on a school experimental plot. Est. v shkole no.3:72-74
Ky-Ja '54. (MERA 7:7)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timi-
ryazeva.
(Filbert)

KOLESHNIKOV, V.A., professor, doktor sel'skokhozyaystvennykh nauk.

Biology and scientific cultivation of fruit cultures. Est. v
shkole no.5:10-19 S-0 '54. (MLBA 7:9)

1. Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Ti-
miryaseva.
(Fruit culture)

USSR Agriculture - Orchards

Card 1/1 : Pub. 86 - 16/34

Authors : Kolesnikov, V. A., Professor

Title : Annual fruit harvesting in the orchards of the USSR

Periodical : Priroda⁴³, 96-101, Jan 1954

Abstract : Statistical data are presented on the annual fruit yields of Soviet orchards. The biological bases for annual fruit bearing are explained. Thirteen USSR references (1916-1952). Illustrations.

Institution : The K. A. Timiryazev Agricultural Academy, Moscow

Submitted :

KOLESHNIKOV, V. A., ed.

Fruit and berry culture. Moskva, Gos. izd-vo selkhoz lit-ry, 1955. 382 p.
(Trehletnie kolkhozyne agrozotekhnicheskie kursy. 2d year of study)

KOLESNIKOV, V.

"Watering the Orchard", P. 35. (KOOPERATIVNO ZEMEDELIE, Vol. 10, No. 3,
Mar. 1955, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

USSR/Agriculture - Fruit growing

Card 1/1 Pub. 86 - 4/35

Polashnikov, V. A., Prof.

Planting nut-bearing trees in the USSR

Trudy SAZ, 31 - 36 Feb 1955

The utility of nuts and nut-bearing trees is explained with information as to the existing sources in the Soviet Union and the possibilities for further development. Three USSR references (1952 - 1953). Illustrations;

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.....

KOLESNIKOV, V.A., professor, doktor sel'skokhozyastvennykh nauk.

Periods of growth and relative dormancy in fruit trees. Est.v
shkole no.1:27-30 Ja-F '56. (MLBA 9:5)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.
Timiryazeva.

(Dormancy (Plants)) (Growth (Plants))

KOLESHNIKOV, V.A., redaktor

[Fruit and berry culture] Plodovodstvo i jagodovodstvo. 2. izd.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 396 p. (MIRA 10:3)
(Fruit culture)

КОЛЕСНИКОВ, В.А.

YEVYUSHENKO, A.F., kand.sel'skokhozyaystvennykh nauk, red.; YEGOROV, V.I., red.; YENIKHYEV, Kh.K., kand.biol.nauk, red.; ZAKHAREVICH, N.I., kand.sel'skokhozyaystvennykh nauk, red.; KOLISHNIKOV, V.A., doktor sel'skokhozyaystvennykh nauk, red.; METLITSKIY, Z.A., doktor sel'skokhozyaystvennykh nauk, red.; NEGROUL', A.M., doktor sel'skokhozyaystvennykh nauk, red.; YAKOVLEV, P.N., akademik, red.; SAVDARQ, V.B., red.; VESKOVA, Ye.I., tekhn.red.

[Progress in fruit culture; papers read at a jubilee session of the All-Union Academy of Agricultural Sciences, commemorating the centenary of the birth of I.V.Michurin] Dostizhenia po sadovodstvu; materialy iubileinoi sessii VASKHNI, posviashchennai 100-letiu so dnia rozhdeniia I.V.Michurina. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 403 p. (MIRA 11:2)

1. Vsesoyuznaya Akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina.

(Fruit culture)

KOLESHNIKOV, V.A.

KAMSHILOV, N.A.; ANTONOV, M.F.; BAKHAREV, A.N.; BLINOV, L.F.; BORISOGLERSKIY,
A.D.; GAR, K.A.; GARINA, K.P.; GORSHIN, P.F.; GUTIYEV, G.T.;
DELITSINA, A.V.; DUBROVA, P.F.; YEVTUSHENKO, A.F.; YEGOROV, V.I.;
YEREMENKO, L.L.; YEFINOV, V.A.; ZHILITSKIY, Ya.Z.; ZHUCHKOV, N.G.,
prof.; ZAYETS, V.K.; ISKOL'DSKAYA, R.B.; KOLESHNIKOV, V.A., prof.;
KOLESHNIKOV, Ye.V.; KOSTINA, K.F.; KRUGLOVA, V.A.; LEONT'YEVA, M.N.;
LESYUK, Ye.A.; MUKHIN, Ye.N.; NAZARYAN, Ya.A.; NEGRUL', A.M., prof.;
ODITSOV, V.A.; OSTAPENKO, V.I.; PETRUSEVICH, P.S.; PROSTOSEEDOV,
N.N., prof.; RUKAVISHNIKOV, B.I.; RYABOV, I.N.; SABUROV, N.V.;
SABUROVA, T.N.; SAVDARG, V.E.; SEMIN, V.S.; SIMONOVA, M.N.;
SMOLYANINOVA, N.K.; SOBOLEVA, V.P.; TARASENKO, M.T.; FETISOV, G.G.;
CHIZHOV, S.T.; CHUGUNIN, Ya.V., prof.; YAZVITSKIY, M.N.;
ROSSOSHCHANSKAYA, V.A., red.; BALLOD, A.I., tekhn.red.

[Fruitgrower's dictionary and handbook] Slovar'-spravochnik
sadovoda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 639 p.
(MIRA 11:1)

(Fruit culture--Dictionaries)

Country : USSR M
Category : CULTIVATED PLANTS. FRUITS. Berries.
Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO-96118
Author : Kolosnikov, V. A.
Institut. : Timiryazev Agric. Acad.
Title : Phosphorus Uptake from Superphosphate by the Apple Tree in Relation to the Method and Depth of Application
Orig. Pub. : Izv. Timiryazevsk. a.-kh. akad., 1957, No. 3, 213-223
Abstract : Studies were made at the Timiryazev Agricultural Academy on 16 and 17 year old common Antonovka variety apple trees (on stocks of Anis saplings) with the application of P^{32} : 1) raked in superficially to 5-7 cm; 2) with surface spading-in to a depth of 15-20 cm; 3) drilled in to 30-40 cm deep without water; 4) the same with water. The soil was a medium dusty loam. The root system structure was studied by the "skeleton" and "trench" methods, and the growth dynamics of the absorbing
Card: 1/2

KOLESNIKOV, V.A.
KOLESNIKOV, V.A., doktor sel'skokhozyaystvennykh nauk, prof.

Work of the Department of Fruit Culture during the Soviet rule
[with summary in English]. Izv. TSKhA no. 4:121-130 '57. (MIRA 11:1)
(Fruit culture)

LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUITSYAN, I.; KOLESHNEV,
V.; YEVFUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.;
GORSEKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;
BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.;
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.;
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.;
ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.;
TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.;
LUTKOVA, I.

P.N. Iakovlev; obituary. Agrobiologiya no.6:119 N-D '57. (MIRA 10:12)

(Iakovlev, Pavel Nikanorovich, 1898-1957)

ROLESNIKOV, V.A., prof., doktor sel'skokhozyaystvennykh nauk

Fruit culture in France [with summary in English]. Izv. TSNhA
no.5:250-256 '58. (MIRA 11:11)

(France--Fruit culture)

AUTHOR: Kolesnikov, V.A., Professor 26-58-7-31/48

TITLE: On the Perennial Bearing of Fruit of the Apple Tree (O yezhegodnom plodonoshenii yabloni)

PERIODICAL: Priroda, 1958, Nr 7, pp 110-111 (USSR)

ABSTRACT: A total of 900,000 ha, or one third of the area cultivated with fruit trees, hold apple trees in the USSR. Formerly, a certain periodicity of non-fruit bearing years reduced considerably the total yield of a tree over the years. A closer study of this phenomenon revealed that this "rest period" does not belong to the nature of apple trees. It was found out that a proper selection of types and proper agrotechnical methods with respect to soil, fertilizing, clipping, etc, will result in fruit crops every year. Thus, mean annual crops of up to 7.7 tons a hectare are harvested in the orchards of the sovkhoses of the Krymkonservtrest.

ASSOCIATION: Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva (The Moscow Agricultural Academy im. K.A. Timiryazev)

1. Fruit trees--Theory 2. Apples--Applications

Card 1/1

KOLESENIKOY, V.A.

[Fruit culture] Plodovodstvo. Moskva, Gos.izd-vo selkhoz.
lit-ry, 1959. 439 p. (MIRA 13:6)
(Fruit culture)

KOLESNIKOV, Venadikt Andreyevich, prof., doktor sel'skokhoz.nauk; ZHURIN, Aleksey Borisovich, agronom; KAPTSINEL', Mikhail Abramovich, agronom; KAPTSINEL', Anna Petrovna, agronom; KOVAL', Alla Alekseyevna, kand.sel'skokhoz.nauk; KORCHAGIN, Vladimir Nikolayevich, entomolog; ZUBAREV, N.A.; LUR'YE, B.D., red.; RAZGULYAYEVA, N.G., tekhn.red.

[Amateur fruitgrower's reference manual] Kalendar'-spravochnik sadovoda-liubitelia. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1959.
494 p. (MIRA 13:4)

(Fruit culture)