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THE REPETITION
OF PHONEMIC CHARACTERISTICS IN RADICAL MORPHEMES IN SETS
OF SYNONYMS FROM INDO-EUROPEAN LANGUAGES*

The next two notional groups to be examined in our inquiry investigating the correlation between sound and meaning are the group NARROW, KNEAD, THICK (IN DENSITY), and the group TOUCH, STRETCH, PUT. The first contains in its radical morphemes a much greater number of nasal phonemic characteristics than expected from the Representative Sample. The second one presents the case of an unusual accumulation of dental phonemic characteristics. These groups have been established by the same method of selection of synonymic sets from Buck's dictionary employed already for the groups SMOOTH and ROUGH, and they have also approximately the same size. The hypothesis of a physiologically founded sound symbolism has been the criterion for constituting our groups here and there. In the same way as we quoted Plato's view of a natural connection between l and smoothness and between r and roughness, we can for the sound symbolism of dentals appeal to the frequent — acoustically unexplained — appearing of these phonemes in the so-called »echoic« verbs and interjections for touching, striking, and falling,¹ and on the other side to a largely accepted view of the correlation between the gesture of indicating (stretching the arm, the finger) and the use of »centrifugal« dentals in demonstrative and personal pronouns. Similarly the »centripetal« expressivity of nasals — on the physiological basis of tactile and proprioceptive sensations from the combined pressure of the muscles of (lips,) tongue and soft palate — has been repeatedly emphasized by linguists and psychologists.² Darwin's observation in his treatise *The expression of emotions* about the involuntary accompaniment of the movements of the hands and the movements of the organs of speech can be considered as a supplementary clue of explanation being valid in both cases.³

A few additional remarks concerning the constitution of notional groups are perhaps not superfluous.

* See First Part, *Linguistica* VI, 1964, Second and Third Part, *Linguistica* VII, 1 and 2, 1965.

¹ E. g. in Gmc. (*tap*), *tip*, *tup* P 177; NHG *tapp* P 177; Slav. *tep*, *top* Vas. 3.95; *tuk*, *t'uk* Vas. 3.125; Lat. *tux tax* WH 2.721; *titillare* WH 2.685; Rom. *tok* REW 8767; *tum(b)* REW 8975; etc.

² F. Kainz, *Psychologie der Sprache*, esp. vol. II, p. 25 ff., 595.

³ Ch. Darwin, *Der Ausdruck der Gemüthsbewegungen*³ (übersetzt von V. Carus), p. 30.

In any investigation about correlation of sound and meaning we must have recourse to a statistical method. To compare concepts on the one hand with large groups of words (radical morphemes) expressing these concepts on the other hand large groups of synonymic words (radical morphemes) must be formed. There is no easy way to establish such large groups which are associated with an outstanding phonemic distribution wherefrom inferences could be drawn. But from the standpoint of the thesis of physiologically founded sound symbolism, till now rather intuitively asserted, we have established as our first examples seven large groups for the seven consonantal classes L, R, N, T, K, P, S. It seems that these groups are also the largest phonemically outstanding groups of synonymic sets from Buck's dictionary, which constitutes our statistical population. Abstract concepts, however, had to be excluded from this first part of investigation as in all such cases we probably have to deal with a change from the original concrete meaning to the abstract one. By analysis of names (radical morphemes) with a supposed primary abstract meaning we could also get correlations as yet enigmatic.

Synonymic sets where certain phonemic characteristics don't appear approximately in the same proportions as in the dictionary as a whole are quite frequent and represent most various concepts. In a single synonymic set more notional characteristics can be determined so that the set does not belong to a single concept-group. Therefore the concept-groups are not exclusive classes. Starting from our first results a further comparison of concrete concepts with their characteristic phonemic distribution remains a task to be performed, which should yield also further correlations. And later on similar analyses of abstract concepts — based already on the results from concrete concepts — could be carried out.

The lists of synonymic sets, the lists of established Indo-European radical morphemes, and the respective tables are given for the groups NARROW and TOUCH in the same manner as for the groups SMOOTH and ROUGH.

THE GROUP: NARROW, KNEAD, THICK (IN DENSITY)

The group includes the following 31 notions: 16.33 anxiety, 16.39 groan (vb.), 9.342 press (vb.), 12.62 narrow, 9.16 bind (vb. trans.), 9.192 knot (sb.), 9.17 bond, 6.57 belt, girdle, 9.19 rope, 9.18 chain, 4.207 jaw, 5.11 eat, 5.12 food, 5.54 knead, 5.17 mix, 5.53 dough, 5.56 grind, 5.55 meal, flour, 5.57 mill, 15.75 soft, 9.72 mold (clay, etc.), 9.73 clay, 9.36 wash, 15.72 feel (vb.), feel of, 9.31 rub, 6.94 ointment, 5.89 butter, 5.79 oil, 12.64 thick² (in density), 13.21 full, 13.19 multitude.*

16.33 ANXIETY

1 Grk.	(phrontís)	gwhren- P 496
2 Grk.	(mérimna)	[s]mer- P 969, Frisk. 2.210, 196 f.
3 NG	anēsuchia (Grk. hēsuchos)	sē[i]-2 B, P 889-90, Frisk 1.645
4 Lat.	anxietas	ang'h- P 42-3, WH 1.55, 47
5 It.	inquietudine (Lat. inquiētūdo, inquiētus)	kweiǰ- BA 3.2043, P 638
6 Rum.	ingrijorare (Slav., cf. ChSl. gry- ža, Bulg. griža)	gwrēug'h- B, P 485-6, Vas. 1.314
7 Rum.	nelinis*te (Lat. lēnis)	lē[i]-3 REW 4977, B, P 666
8 Ir.	dethiden	cons. d _x vowel X B, LP 261, 358 f.
9 Ir.	(imm)snim	(s)nē- (s)nēi- P 973, LP 397
10 NIr.	imnidhe	en-1 B (16.31). P 311-2, LP 384 f.
11		sed- P 884-5
12 W.	pryder	kwer-1 P 641, B (16.14)
13 Br.	nec'h	pneu- P 838-9, B
14 Goth.	saurga	swergh- P 1051
15 ON	kviða	gwei-1 P 467
16 NE	worry	wer-3 P 1152-4, Hh- 191
17 Lith.	rūpestis	ereu-2 P (338) 868-70, Fr. 750
18 Lith.	baile*	bhōi- P 161-2

19 ChSl. (pečal_B)

20 SCr. tjeskoba

21 Pol. troska

22 Russ. zabota

23 Skt. (cintā-)

pekw-
P 798,
Mch. 359,
Brück. 406
tā- tāi- tāu-
P 1053-4, B,
Vas. 3.100, 108
ter-3
P 1071-2,
Brück. 577, 579.
g'ab-
P 349,
Vas. 1.436
:bhāt-
P 111-2, B,
Bern. 78
kwei-(t)-1
P 636-7

16.39 GROAN (vb.)

1 Grk.	sténō	sten-1 P 1021
2 Lat.	gemere	gem- P 368
3 Ir.	cnetim	cons. k _x , n vowel X
4 NÍr.	osnuighim	an(ǝ)-3 P 38, LP 338
5 W.	griddfan	gher-1 P 439, B
6 W.	ochain (Imitative)	och B
7 Br.	hirvoudi	sē[i]-2 P 889-91
8		cons. b _x vowel u _x B (22.43)
9 Goth.	swōgatjan	wagh- swāgh- P 1110
10 OE	grānian	cons. g _x , r vowel i _x P 456, Joh. 399-400, FaT 348, KM 269
11 OHG	sūftōn	seu-1 P 912-3
12 NHG	ächzen (Imitative)	ach B, KM 6, 5
13 Pol.	jęczeć	enk- onk- eng- ong- P 322, Brück. 208

14 Skt. kūj-

k'au- k'eu-
k'au- k'eu-
P 535-6

12.62 NARROW

1 Grk. stenós sten-2
P 10212 Lat. angustus ang'h-
P 42-33 It. stretto (s)ter-1
(Lat. strictus,
stringere REW 8305,
P (1022)10364 Ir. cōill koi-lo-
P 6105 ON thro*ngir trenk-1
P 10936 Dan. snaever (s)nēbh-ri-
P 973-4,
FaT 10957 Dan. smal mēl-o smēl-o-
P 724, Joh. 676
:mel-1, smel-
P 716, FaT 10768 OE nearu [s]nē- (s)nēi-
P (973)975-69 Du. nauw ken-2
P 559-6210 Lith. siauras seu-3
P 91411 ChSl. tēsni tā- tāi- tāu-
P 1053-4,
Vas. 3.100, 108,
Brück. 6012 Skt. avistīrn*a ster-5
P 1029, B

9.342 PRESS (vb.)

1 Grk. piédzō sed-
P 884-72 Grk. (thlibō) bhlig'-
(*bhlig'-)
P 160-1, 2713 NG dzoulfdzō seu-1
(Grk. hulidzō) B, P 912-3,
Bois. 10004 NG sphiggō sp(h)ēi-3 = 2
(Grk. sphiggō) sp(h)ē[i]-
B, P 983-45 Lat. premere per-3
P 818-96 It. (stringere) (s)ter-1
(Lat. stringere) REW 8315,
P (1022) 10367 Ir. fāiscim wedh-1
P 11158 Goth. threihan trenk-1
P 10939 Dan. trykke ter-3
P 1071-4,
FaT 1290, 1288,10 NE squeeze* cons. K
vowel X
B11 Lith. spausti (s)p(h)eud-
P 998-912 ChSl. (tiškati) tā- tāi- tāu-
P 1053-413 ChSl. (žeti) gem-
P 368-914 ChSl. (gnesti) gen-
P 370-115 Boh. tlačiti telek-
P 1062,
Brück. 571 f.
Vas. 3.116 f.16 Russ. davit' dhau-
P 235,
Vas. 1.326,
Mch. 81
:dheu-2
P 260, B

9.16 BIND (vb. trans.)

1 Grk. déō dē- déi-
P 1832 Lat. vincire wei-1
P (1120)11303 Lat. ligāre leig-4 leig'
P 668,
WH 1.8004 Lat. nectere [s]nē- (s)nēi-
P (973)7585 Sp. atar ap-1 better
ap- ep-
REW 563,
P 50-16 Ir. con-rigim rei-1
P (857)8617 Ir. cenglaim kenk-1
(Lat. cingulum) B, P 565

* Not in the list, but mentioned in Buck's discussion.

The repetition of phonemic characteristics

8 Br.	staga (Ofr. estachier fr. Gmc., cf. Goth. stak- ka, MLG staken)	(s)teg-2 B, REW 8218, Gam. 828, P 1014	3 Lat	ligāmen(tum)	leig-4 leig'- P 668
9 Goth.	(ga)bindan	bhendh- P 127	4 Sp.	lazo (Lat. laqueus)	lëk-1 REW 4909, P 673-4
10 OE	tigan	deuk- P 220-1	5 Ir.	cuimrech	rei-1 P (857)861-2
11 Lith.	rišti	wer-3 P 1152-9	6 NIr.	ceangal (Lat. cingulum)	kenk-1 B, P 565
12 Lett.	siet	sē(i)-3 P 891	7 Goth.	bandi	bhendh- P 127
13 ChSl.	sъvezati	ang'h- P 42, B, Vas. 1.244 f. (Brück. 611 f.)	8 OE	tēah	deuk- P 220-1
14 Av.	dərəz-	dher-2 P 252-4	9 Lith.	ryšys	wer-3 P 1152-9
			10 Lett.	saite	sē(i)-3 P 891-2
			11 ChSl.	ąza	ang'h- P 42, B, Vas. 3.176 f., 1.244 f., (Brück. 609 f.)
			12 Av.	dərəzā-	dher-2 P 252-4

9.192 KNOT (sb.)

1 Grk.	hámma	ap-1 better əp- ēp- P 50-1, (;Bois. 72, Frisk 1.126 f.)
2 NG	kómpos (Grk. kómbos)	(s)kamb- [s]kemb- P 918
3 Lat.	nōdus	[s]nē- (s)nēi- P (973)758
Ir.	snáidm	(s)nē- (s)nēi- P (973)758-9
4 W.	clwm	k'el-4 P 553, B
5 ON	knütr	gen- P 370-0
6 Lith.	mazgas	mezg-2 P 746
7 ChSl.	(ązlъ)	ang'h- P 42, B, Vas. 3.178, 1.244 f., (Brück. 609 f.)
8 Skt.	granthi-	ger-3 P 385-6

9.17 BOND

1 Grk.	desmós	dē- dēi- P 183
2 Lat.	vinculum	wei-1 P (1120)1130

6.57 BELT, GIRDLE

1 Grk.	dzōnē	yeu-2 P (508)513
2 Lat.	cingulum	kenk-1 P 565
3 Lat.	balteus (Of Etruscan origin?)	cons. X vowel ex WH 1.95, B
4 Rüm.	curea (Lat. corrigia)	rei-1 REW 2253, P (857)861-2
5 Rum.	colan (Tk. kolañ)	kolañ Lok. 1195
6 Ir.	ferenn	wer-5 P 1160-1
7 Ir.	criss	kerd-1 P 579
8 Goth.	gairda	g'her-4 P (442)444
9 ON	lindi	lent-o- P 677
10 Russ.	kušak (Tk. kušak)	kušak Bern. 652
11 Skt.	mekhala-	mei-4 P 710, B

12 Skt.	ras*anā-	rek'. reg'- P 863	18 ON	lina (MGL line)	lī-no- Joh. 1074 FaT 646, P 691
13 Av.	kamarā-	kam-er- P 524	19 Du.	touw	deu-2 P 218, FaT 1267
9.19 ROPE, CORD					
1 Grk.	kálōs	cons. kx vowel ex Bois. 401, Frisk. 1.769 f.	20 Lith.	virve*	wer-1 P 1150
2 Grk.	schoínos	cons. s. g ^x vowel X Bois. 934	21 Lith.	viržis	wer-3 P 1152-4
3 Grk.	spárton	sper-3 P 991-2	22 Lett.	valgs	wel-7 P 1140-4
4 Lat.	fūnis	dhō(u)- P 272	23 SCr.	uže	ang'h- P 42, B Vas. 3.176, 1.244 f., (Brück. 609 f.)
5 Lat.	restis	rezg- P 874	24 SCr.	konop (VLat. *canapis, *cannapus, Lat. canna- bis fr. Grk. kánna- bis of uncertain origin)	cons. kx, n vowel ex Vas. 1.615, WH 1.154
6 It.	corda (Lat. chorda fr. Grk. chordē)	g'her-5 REW 1881, P 443, B	25 Boh. lano (MHG lane)		cons. 1 vowel ex Bern. 1.689, Brück. 306, Vas. 2.13
7 Sp.	soga (Of Gallic origin?)	cons. s vowel ex REW 1881	26 Russ.	kanat (NG kanáti, Byz. kannáta. Grk. kánna fr. Bab.-Assyr. qanu fr. Sum.-Akkad. gin)	gin Vas. 1.516, WH 1.154
8 Rum.	fringhie (Lat. fimbria)	dheu-4 REW 3308, P (261)268-9, WH 1.498 f.	27 Skt.	gun*a-	ger-3 P 385
9 Rum.	s*nur (NHG schnur)	(s)nē- (s)nēi- B, P (973)975-6	28 Skt.	dāman-	dē- dēi- P 183
10 Ir.	sūanem	seu-3 P 914, B :seg-2 P 887, LP 32, 82	9.18 CHAIN		
11 Ir.	tēt	ten-1 P 1065-6, LP 48	1 Grk.	hálusis	wel-7 P 1140-2
12 Ir.	loman	cons. 1 vowel X B	2 Lat.	catēna	kat-1 P 534
13 W.	rhaff	cons. r vowel ex B	3 Rum.	lant* (Slav. *lanъъ fr. (MHG lanne)	cons. 1 vowel ex Bern. 1.689
14 ON	reip	rei-1 P 857-8	4 Ir.	slabrad	(s)lāgw- P 958, B
15 ON	taug	denk- P 220-1	5 Ir.	rond	cons. r vowel X B
16 ON	streng	(s)ter-1 P (1022)1036-7			
17 ON	seil	sē(i)-3 P 891-2			

The repetition of phonemic characteristics

6 Goth.	naudibandi	nāu-2 P 756, F 371	5 Sp.	quijada (VLat. *capseum. Lat. capsā, capsus)	kap- REW 1659 c, P 527
7		bhendh- P 127	6 Rum.	faloă	dhelg- REW 3175, P 247, WH 1.449 f.
8 Goth.	eisarna(bandi)	cis-1 P 299-300, F 131	7 Ir.	carpat	[s]ker-3 P 935, 948 B (10.75), WH 1.171
9 ON	rekendr	rek'- reg'- P 863	8 NIr.	giall (OE cēafl, NE jowl)	g'ep(h)- g'ebh- B, P 382
10 ON	hlekkir (pl.)	kleng- klenk- P 603, Joh. 276	9 NIr.	corran	[s]ker-4 P 938-44
11 OE	(racent)tēab	deuk- P 220-1	10 W.	cern	ker-no- P 582
12 Lith.	grandine*	ger-3 P 385-6, Fr. 164	11 Sw.	käk	cons. g ^x vowel ex Joh. 326, B
13 ChSl.	aže železno	ang'h- P 42, B Vas. 3.176, 1.244 f., (Brück. 609 f.)	12 OE	cēace	g[y]eu- g'(y)eu- P 400
14		ghel(ě)g'h- P 435	13 ME	iouwe (Ofr. ioue fr. Gallo-Rom. *gauta)	cons. g ^x vowel ex B, REW 3706 a, Gam. 541 f.
15 SCr.	verige	wer-1 P 1150	14 OHG	(chinni)bahho	bhag-1 P 107, KM 43, (:B, FaT 44, 41)
16 Russ.	cep'	cons. k ^x vowel ix Vas. 3.290	15 Lett.	žuokls	g'hē-2 g'hēi- P 419, ME 4.839
17 Skt.	śrn*khalā-	cons. k', l ^r vowel ex P 577 :k'er-3 P 577, B	16 ChSl.	čeljust ₂	kel-1 P 544, Vas. 3.313 f. Brück. 75
4.207 JAW			17		ōus-1 P 784-5
1 Grk.	siāgōn	cons. x vowel X Bois. 863, B	18 SCr.	vilica	wei-1 P 1120, Vas. 1.200
2 Grk.	gnáthos	g'enu-2 = 1 P 381-2, B	19 Pol.	szczęka	(s)kek- skeg- P 922-3, Vas. 3.446 (:Brück. 543, 544, B)
3 NG	masélla (It. mascella fr. Lat maxilla)	smek- B, REW 5443, P 968			
4 Fr.	machoire (Lat. masticāre fr. Grk. masticháo)	menth-2 REW 5398, WH 2.47, P 732			

5.11 EAT

* Skt. śrn*khalā = with guttural n

(s. Linguistica VI, 1964, p. 18)

5.12 FOOD

1 Grk. trophē	dherebh-
P 257,
Bois. 983	18 OE feorm
(Lat. firma, firmus)	dher-2
B, P 252-3
2 Grk. brōma	gwer-1
P 474	19 NHG kost
(MLat. costāre
fr. Lat. constāre)	stā-
KM 395,
FaT 569,
Joh. 1059,
P 1004
3 Grk. edōdē	ed-
P 287-8	20 NHG nahrung	nes-
P 766-7
4 Grk. sītía	cons. x
vowel X
Bois. 866	21 Lith. valgis	welk-2 welg-
P 1145
5 NG phagi
(Grk. phageîn)	bhag-1
B, P 107	22 Lith. maistas	meit[h]-1
P 715
6 Lat. cibus
(Grk. kibba, kîbîsis
of Semitic origin)	cons. K
vowel X
WH 1.210,
Bois. 452
Frisk 1.848	23 Lett. barība	bhar-
P 108, B,
Vas. 1.107
7 Lat. penus	pen-1
P 807	24 ChSl. krъma	k'er-2 ker-
P 577, B,
Vas. 1.627 f.,
Brück. 220,
Bern. 1.668 f.,
WH 1.287 f.
8 Lat. alimentum	al-2
P 26	25 Boh. potrava	ter-3
P 1071-3,
Mch. 533 f.,
Brück. 518, 575,
Vas. 3.131, 130
9 Lat. nūtrimentum	snā- sn-eu-
P 971-2,
WH 2.190 f.	26 Av. xvarətha-	swel-[k]-1
P 1045
10 Lat. victus	gwei-3
P 467-9,
WH 2.808 ff.		
11 It. mangiare
(Lat. mandūcāre,
mandere)	menth-2
REW 5292,
P 732		
12 Rum. hrană
(Slav., cf. SCr.,
Bulg. hrana)	cons. r
vowel ex
B, P 910,
Bern. 1.397 f.,
Vas. 3.264,
Brück. 184,
Mch. 161		
13 Ir. tūare	wer-11
1165-6, B,
LP 12, 363		
14 Goth. mats	mad-
P 694-5		
15 Goth. fōdeins	pā-
P 787		
ChSl. pišta	P 787, B
:pei(ə)-
P 793-4 for ChSl.		
16 ON vist	wes-2
P 1171		
17 Dan. spise
(MLG spise fr.
MLat. spēsa fr.
Lat. expēnsa)	[s]pen-(d)-1
FaT 1124,
P 988		

5.54 KNEAD

1 Grk. mássō
aor. emágēn	mag'-
P 696
Br. meza
(OFr. maie, mait fr.
Lat. magis fr. Grk
magis)	B, P 696
2 NG dzumōnō
(Grk. dzūmōō, dzūmō)	:men(ə)k-
P 730-1 for Grk.
mássō
3 Lat. subigere	yeu-1
B, P 507
4 Lat. depserere
(Grk. dépsēin)	ag'-
P 4, B
5 It. impastare
(Late Lat. pasta
fr. Grk. pastá, pastós,
pássō)	kwēt-
REW 6272,
B, (:WM 2.261),
P 632
6 Fr. pétrir
(VLat. *pistrīre
or *pistūrīre,
Lat. pistōr, pīnsere)	(peis-1), pis-
REW 6542,
Gam. 690,
P 796

7 Rum. frămînta (VLat. *fragmentäre, Lat. fragmentum, frango)	bhreg'-1 REW 3473, B P 165	4 It. pasta (Late Lat. pasta fr. Grk. pastá, pastós, pássō)	kwēt- REW 6272, B, (:WH 2.261), P 632
8 Nir. fuinim	g'en-1 P 373, B (5.21), LP 371	5 Rum. aluat (Lat. allevātum, levāre, levis)	legwh- REW 360, P 660
9 W. tylino	teü- P 1080-2, B	6 Ir. täis	tā- tāi- tāu- P 1053-4
10 Br. merat (OFr. mairer, maire fr. Lat. maior)	meg'[h]- B, P 708	7 Goth. daigs	dheig'h- P 244-5
11 ON knoða	gen- P 370-1	8 Lith. minkle*	men(ə)k- P 730-1
12 Dan. elte	el-6 P 306-7, Joh. 75	9 Av. gunda-	cons. g ^x vowel u ^x B
13 Lith. minkyti	men(ə)k- P 730-1		
14 ChSl. uměsiti	mei-k'- mei-g'- P 714, Vas. 2.123, Bern. 2.52 f.		

5.56 GRIND

(s. *Linguistica* VI, 1964, p. 19)

5.55 MEAL, FLOUR

5.17 MIX

1 Grk. meígnūmi	mei-k'- mei-g'- P 714
2 Grk. keránnūmi	k'erə- P 582
3 NG anakatéuō (Grk. aná)	an-4 B, P 39
4 (Grk. katá)	kom- P 612-3
5 Goth. blandan	bhel-1 P (118)157
6 Dan. maenge (MLG mengen)	men(ə)k- P 730-1
7 Av. raēthwa-	cons. 1r vowel X B

1 Grk. áleuron	al-5 P 28-9
2 Lat. fārīna	bhar- P (108)1111
3 Ir. men	men-2 P 726
4 W. blawd	mel-1 P 716
5 ME flour (OFr. flour fr. Lat. flōs, flōrem)	bhel-4 = 3 Hh. 65, REW 3382, P 122
6 ChSl. mąka	men(ə)k- P 730-1
7 Skt. pis'ta-	(peis-1): pis. P 796

5.53 DOUGH

1 Grk. phūrāma	bher-2 P 132, B
2 NG dzūmē (Grk. dzūmē)	yeu-1 B, P 507
3 Lat. massa (Grk. mādza)	mag'- WH 2.47, P 696

1 Grk. mūlē	mel-1 P 716
2 Rum. ris'nit*a (Slav., cf. Chsl. rąka)	wer-3 B, P 1152-5
3 Goth. -qairnus	gwer-2 P 476-7
4 Lett. sud(malas)	cons. s vowel u ^x B

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5 Skt.	pes*an*a	(peis-1) pis P 796	4 It.	formare (Lat. förmäre, föрма)	cons. r vowel ex WH 1.530 f.
6 Av.	suduš	cons. x vowel ux B	5 Ir.	dolbaim	del-3 P 194
			6 Ir.	cummiaim	bhei(ə)- P 117, B, LP 341
15.75 SOFT					
1 Grk.	malakós	mel-1 P 716-9	7 W.	lluino	cons. 1 vowel X B
2 It.	morbido (Lat. morbidus, morbus)	mer-5 REW 5677, P 735-6	8 Br.	aoza	g'en-2 P 376-7, B
3 Ir.	bocc	bheug[h]-3 P 152	9 ON	mynda	men-3 P 726-8, Joh. 664-5, B (12.51)
4 Ir.	mōith	mēi-7 P 711-2	10 Dan.	danne (MLG dān [pple], dōn)	dhē-2 FaT 136, P 235-6
5 W.	meddal	cons. m vowel X B	11 OE	hīwian	k'ei-2 P 540-1, FaT 442, F 259
6 Br.	gwak (Lat. vacuus)	eu-1 B, P 345, WH 2.723, 731 f.	12 OHG	scaf(f)ōn	(s)kēp-2 (s)kāp-etc. skāb- P 930-1
7 Goth.	hnasqus	ken-2 P 559-61	13 Lith.	(daryti)	derə- P 212, Fr. 83
8 ON	mjūkr	meu-1 smeu- P (741)744	14 Lett.	(taisīt)	cons. t vowel ix ME 4.124, Fr. 1051, 1073 f., Vas. 3.109, 102
9 ON	blautr	bh(e)lēu- bheleu- P 159, 125, (Joh. 641-2) :bhel-3 P (120)158, B	15 SCr.	(tvoriti)	twer-2 P 1101
10 ME	softe	sem-2 P 902-4	16 Pol.	ulepić	lei-3 slei- P (662)671, B, Brück. 295, Bern. 1.712
11 OHG	weich	wei-1 P (1120)1130	17 Skt.	sam*skr*-	kwer-1 P 614, B
12 Lith.	minkštas	men(ə)k- P 730-1			
13 Av.	varədvā-	wer-7 P 1163			

9.72 MOLD (Clay, etc.)

1 Grk.	plássō	pelə- P 805-6
2 Lat.	ingere	dheig'h- P 244
3 It.	modellare (Lat. modus)	mē-3 met- m-ed-1 BA 4.2484 P (703)705

9.73 CLAY

(s *Linguistica* VII, 2, 1965, p. 141)

9.36 WASH

1 Grk.	louō	lou- P 692
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5 Skt.	pes*an*a	(peis-1) pis P 796	4 It.	formare (Lat. förmäre, föрма)	cons. r vowel ex WH 1.530 f.
6 Av.	suduš	cons. x vowel ux B	5 Ir.	dolbaim	del-3 P 194
			6 Ir.	cummiaim	bhei(ð)- P 117, B, LP 341
15.75 SOFT					
1 Grk.	malakós	mel-1 P 716-9	7 W.	lluino	cons. 1 vowel X B
2 It.	morbido (Lat. morbidus, morbus)	mer-5 REW 5677, P 735-6	8 Br.	aoza	g'en-2 P 376-7, B
3 Ir.	bocc	bheug[h]-3 P 152	9 ON	mynda	men-3 P 726-8, Joh. 664-5, B (12.51)
4 Ir.	mōith	mēi-7 P 711-2	10 Dan.	danne (MLG dān [pple], dōn)	dhē-2 FaT 136, P 235-6
5 W.	meddal	cons. m vowel X B	11 OE	hīwian	k'ei-2 P 540-1, FaT 442, F 259
6 Br.	gwak (Lat. vacuus)	eu-1 B, P 345, WH 2.723, 731 f.	12 OHG	scaf(f)ōn	(s)kēp-2 (s)kāp-etc. skāb- P 930-1
7 Goth.	hnasqus	ken-2 P 559-61	13 Lith.	(daryti)	derð- P 212, Fr. 83
8 ON	mjūkr	meu-1 sme- P (741)744	14 Lett.	(taisīt)	cons. t vowel ix ME 4.124, Fr. 1051, 1073 f., Vas. 3.109, 102
9 ON	blautr	bh(e)lēu- bheleu- P 159, 125, (Joh. 641-2) :bhel-3 P (120)158, B	15 Scr.	(tvoriti)	twer-2 P 1101
10 ME	softe	sem-2 P 902-4	16 Pol.	ulepić	lei-3 slei- P (662)671, B, Brück. 295, Bern. 1.712
11 OHG	weich	wei-1 P (1120)1130	17 Skt.	sam*skr*-	kwer-1 P 614, B
12 Lith.	minkštas	men(ð)k- P 730-1			
13 Av.	varðdva-	wer-7 P 1163			
9.72 MOLD (Clay, etc.)					
1 Grk.	plássō	pelð- P 805-6	9.73 CLAY		
2 Lat.	ingere	dheig'h- P 244	(s Linguistica VII, 2, 1965, p. 141)		
3 It.	modellare (Lat. modus)	mē-3 m-et- m-ed-1 BA 4.2484 P (703)705	9.36 WASH		
			1 Grk.	louō	lou- P 692

7 Rum. frămînta (VLat. *fragmentäre, Lat. fragmentum, frango)	bhreg'-1 REW 3473, B P 165	4 It. pasta (Late Lat. pasta fr. Grk. pastá, pastós, B, (:WH 2.261), pássō)	kwēt- REW 6272, P 632
8 NIr. fuinim	g'en-1 P 373, B (5.21), LP 371	5 Rum. aluat (Lat. allevātum, levāre, levis)	legwh- REW 360, P 660
9 W. tylino	teñ- P 1080-2, B	6 Ir. táis	tā- tñ- tñu- P 1053-4
10 Br. merat (OFr. mairer, maire fr. Lat. maior)	meg'[h]- B, P 708	7 Goth. daigs	dheig'h- P 244-5
11 ON knoda	gen- P 370-1	8 Lith. minkle*	men(ə)k- P 730-1
12 Dan. elte	el-6 P 306-7, Joh. 75	9 Av. gunda-	cons. g ^x vowel u ^x B
13 Lith. minkyti	men(ə)k- P 730-1	5.56 GRIND (s. <i>Linguistica</i> VI, 1964, p. 19)	
14 ChSl. uměsiti	mei-k'- mei-g'- P 714, Vas. 2.123, Bern. 2.52 f.		

5.17 MIX

1 Grk. meígnūmi	mei-k'- mei-g'- P 714
2 Grk. keránnūmi	k'erə- P 582
3 NG anakatáuō (Grk. aná)	an-4 B, P 39
4 (Grk. katá)	kom- P 612-3
5 Goth. blandan	bhel-1 P (118)157
6 Dan. maenge (MLG mengen)	men(ə)k- P 730-1
7 Av. raēthwa-	cons. 1r vowel X B

5.53 DOUGH

1 Grk. phúrāma	bher-2 P 132, B
2 NG dzūmē (Grk. dzūmē)	yeu-1 B, P 507
3 Lat. massa (Grk. mādza)	mag'- WH 2.47, P 696

1 Grk. áleuron	al-5 P 28-9
2 Lat. fārīna	bhar- P (108)1111
3 Ir. men	men-2 P 726
4 W. blawd	mel-1 P 716
5 ME flour (OFr. flour fr. Lat. flōs, flōrem)	bhel-4 = 3 Hh. 65, REW 3382, P 122
6 ChSl. mąka	men(ə)k- P 730-1
7 Skt. pis*ta-	(peis-1) pis P 796

5.57 MILL

1 Grk. múlē	mel-1 P 716
2 Rum. ris*nit*a (Slav., cf. Chsl. rąka)	wer-3 B, P 1152-5
3 Goth. -qairnus	gwer-2 P 476-7
4 Lett. sud(malas)	cons. s vowel u ^x B

2 Grk.	nídžō	neigw- P 761	6 It.	tastare (VLat. *taxitäre, Lat. taxäre, tangere)	tag- or teg- B, Gam. 836, (:REW 8595), P 1054
3 Grk.	plúnō	pel-1 P (798)835-6	7 Rum.	pipăi (Slav., cf. SCr. pipati)	cons. x vowel X B
4 Ir.	folcaim	welk-2 welg- P 1145	8 NÍr.	glacaim [also 'seize']	gel-1 P 357-3
5 Ir.	ind-aim	yem- P 505, LP 337 f.	9 W.	teimlo *	cons. t vowel ex B
6 Goth.	thwahan	twak-2 P 1098	10 Br.	merat (Ofr. mairer, maire fr. Lat. maior)	meg'[h]- B, P 708
7 ON	vaska	au(e)-9 P 78-80, Joh. 128-9, FaT 1356, 1348 f.	11 Br.	dournata	cons. dx, r vowel X P 203 :der-1 P 203, B
8 OE	swillan	swel-[k]-1 P 1045	12 ON	threifa [also 'seize']	cons. t, r vowel X B, P 1094, Joh. 457
9 Lith.	mazgoti	mezg-1 P 745-6	13 Sw.	känna	g'en-2 P 376, B, Joh. 331-2
10 ChSl.	myti	meu-1 sme- P 741	14 OE	grāpian [: gripan 'seize']	ghreib- P 457
11 ChSl.	plakati	pelō- P (805)832, Vas. 2.364 f.	15 Lith.	čiupine*ti [: čiupti 'seize']	cons. t vowel ux Fr. 74, 1067, 1068
12 SCr.	prati	per-3 P 818-9	16 ChSl.	osegnati	seg-2, se-n-g- P 887-8, Vas. 2.289, 3.63, 62 f., Brück. 490
13 Russ.	stirat'	ter-3 P 1071-2, Vas. 3.15, 97	17 Boh.	hmatati [also 'seize']	gem- P 368-9, Plet.* 1.220 (gmaten), 230 (gomaten, gomata, gomatati), cf. 222 (gnjec, gnjecati), Fr. 132 (:Mch. 133, Bern. 1.391)
14 Skt.	dhāv-	dheu-3 P 261			
15 Av.	snā-	snā- sn-eu- P 971			

15.72 FEEL (vb.), FEEL OF

1 Grk.	psēlapháo	pel-1 P 798-801, B, Bois, 1073 f.	17 Boh.	hmatati [also 'seize']	gem- P 368-9, Plet.* 1.220 (gmaten), 230 (gomaten, gomata, gomatati), cf. 222 (gnjec, gnjecati), Fr. 132 (:Mch. 133, Bern. 1.391)
Lat.	(palpāre)	P 798-801			
2		ap-1 better ṡp- ēp- P 50-1 :eibh- yebh- P 298, B			
3 NG	psáchnō (Grk. psautō)	bhes-1 B, P 145			
4 NG	paspateúō	pel-2 b = 2 a B, P 802, Bois. 749, 738			
5 Lat.	temptāre	ten-1 P (1065)1064			

* Plet.* = M. Pleteršnik: Slovensko-nemški slovar, Ljubljana, 1894

18 Boh. makati [also 'seize']	Brück. 316, māk-2 P 698, B, WH 2.2 f., Vas. 2.107, Bern. 2.1,2, (Mch. 383, 281 f.)	2 Sp. aceite (Arab. zait)	zait REW 9611, Lok. 2187
19 Russ. ščupat'	cons. s, kx vowel ux Vas. 3.454, Mh. 1.408	3 ChSl. maslo 4 Skt. tālla 5 Skt. snēha-	mag'- P 696 cons. t vowel ix Mh. 1.526 sneighw P 974, B

9.31 RUB

(s. Linguistica VII, 2, 1965, p. 150)

6.94 OINTMENT

1 Grk. áleimma	lei-3 sle-i P (662)670	1 Grk. puknós	puk'-2 P 849
2 Lat. unguen(tum)	ongw- P 779	2 NG pēchtós (Grk. pēktós, pēgnumi)	pāk'- pāg'- B, P 787
3 W. eli (Lat. olēre)	od-1 B, P 772-3	3 Lat. dēnsus	dens-2 P 202
4 Br. traet (Fr. traïter fr. Lat. tractāre, trahere)	trāgh- trēgh- B, REW 8824, Gam 857, P 1089	4 Lat. spissus	sp(h)ēi-3 = 2 sp(h)ē[i]- P 983-4
5 Goth. salbōns	seip- P 901, F. 407 f.	5 Lat. crassus	[s]ker-3 P (935)584
6 ON smyrsl	smer(u)- P 970, Joh. 911	6 It. fitto (Lat. fictus, figere)	dhēigw- REW 3280, P 243
7 Lith. tepalas (Balto-Slav., Imitative)	tep- Fr. 1081, Vas. 3.95	7 Ir. dlúith	cons. d, 1 vowel X B
8 Lith. mostis (WhRuss. mast')	mag'- Fr. 464, P 696	8 NlR. tiugh	tegu- P 1057, B
		9 Br. stank (Ofr. estanc, estan- chier fr. Gallo-Rom. *extanicāre fr, Gall. *tan-)	ten-1 B, Gam 390, 831, P (1065)1069
		ME thycht (ON *thēhtr)	P (1065)1068

5.89 BUTTER

(s. Linguistica VI, 1965, p. 19)

5.79 OIL

1 Grk. élaion	cons. L vowel X Frisk. 1.480, WH 2.205 f.	10 Lith. tirštas	:stā- REW 8228 a, B 1004 for Br.
		11 Lett. biezs	[s]ter-8 P 1031-2 Fr. 1101 f., 1063, 1083
		12 ChSl. čestъ	bheng'h- P 127-8
		13 SCr. gust	kem-1 P 555
			geng- P 379-80

2 Grk.	nfdzō	neigw- P 761	6 It.	tastare (VLat. *taxitäre, Lat. taxäre, tangere)	tag- or leg- B, Gam. 836, (:REW 8595), P 1054
3 Grk.	plúnō	pel-1 P (798)835-6	7 Rum.	pipăi (Slav., cf. SCR. pipati)	cons. x vowel X B
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5 Ir.	ind-aim	yem- P 505, LP 337 f.	9 W.	teimlo	cons. t vowel ex B
6 Goth.	thwahan	twak-2 P 1098	10 Br.	merat (Ofr. mairer, maire fr. Lat. maior)	meg'[h]- B, P 708
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8 OE	swillan	swel-[k]-1 P 1045	12 ON	threifa [also 'seize']	cons. t, r vowel X B, P 1094, Joh. 457
9 Lith.	mazgoti	mezg-1 P 745-6	13 Sw.	känna	g'en-2 P 376, B, Joh. 331-2
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12 SCR.	prati	per-3 P 818-9	16 ChSl.	osegnati	seg-2, se-n-g- P 887-8, Vas. 2.289, 3.63, 62 f., Brück. 490
13 Russ.	stirat'	ter-3 P 1071-2, Vas. 3.15, 97	17 Boh.	hmatati [also 'seize']	gem- P 368-9, Plet.* 1.220 (gmaten), 230 (gomaten, gomata, gomatati), cf. 222 (gnjec, gnjecati), Fr. 132 (:Mch. 133, Bern. 1.391)
14 Skt.	dhāv-	dheu-3 P 261			
15 Av.	snā-	snā- sn-eu- P 971			

15.72 FEEL (vb.), FEEL OF

1 Grk.	psēlapháō	pel-1 P 798-801, B, Bois, 1073 f.	2	ap-1 better ōp-ōp- P 50-1 :eibh- yebh- P 298, B	
Lat.	(palpāre)	P 798-801			
3 NG	psáchnō (Grk. psauō)	bhes-1 B, P 145			
4 NG	paspateuō	pel-2 b = 2 a B, P 802, Bois. 749, 738			
5 Lat.	temptāre	ten-1 P (1065)1064			

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18 Boh. makati [also 'seize']	Brück. 316, māk-2 P 698, B, WH 2.2 f., Vas. 2.107, Bern. 2.1.2, (:Mch. 383, 281 f.)	2 Sp. aceite (Arab. zait)	zait REW 9611, Lok. 2187
19 Russ. ščupat'	cons. s, kx vowel ux Vas. 3.454, Mh. 1.408	3 ChSl. maslo	mag'- P 696
		4 Skt. tālla	cons. t vowel ix Mh. 1.526
		5 Skt. snēha-	sneigwh P 974, B

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(s. Linguistica VII, 2, 1965, p. 150)

6.94 OINTMENT

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3 W. eli (Lat. olēre)	od-1 B, P 772-3	3 Lat. dēnsus	dens-2 P 202
4 Br. traet (Fr. traiter fr. Lat. tractāre, trahere)	trāgh- trēgh- B, REW 8824, Gam 857, P 1089	4 Lat. spissus	sp(h)ēi-3 = 2 sp(h)ē[i]- P 983-4
5 Goth. salbōns	selp- P 901, F. 407 f.	5 Lat. crassus	[s]ker-3 P (935)584
6 ON smyrsl	smer(u)- P 970, Joh. 911	6 It. fitto (Lat. fictus, figere)	dhēigw- REW 3280, P 243
7 Lith. tepalas (Balto-Slav., Imitative)	tep- Fr. 1081, Vas. 3.95	7 Ir. dlúith	cons. d, 1 vowel X B
8 Lith. mostlis (WhRuss. mast')	mag'- Fr. 464, P 696	8 NIr. tiugh	tegu- P 1057, B
		9 Br. stank (Ofr. estanc, estan- chier fr. Gallo-Rom. *extanicāre fr, Gall. *tan-)	ten-1 B, Gam 390, 831, P (1065)1069
		ME thycht (ON *thēhtr)	P (1065)1068
			:stā- REW 8228 a, B 1004 for Br.

5.89 BUTTER

(s. Linguistica VI, 1965, p. 19)

5.79 OIL

1 Grk. élaion	cons. L vowel X Frisk. 1.480, WH 2.205 f.	10 Lith. tirštas	[s]ter-8 P 1031-2 Fr. 1101 f., 1063, 1083
		11 Lett. biezs	bheng'h- P 127-8
		12 ChSl. čestъ	kem-1 P 555
		13 SCr. gust	geng- P 379-80

14 Skt.	ghana-	gwhen-1 P 491 :gwhen-2 P 491, B	13 ON	margr	mer-5 smer- P 735-7, B (13.15), FaT 695, 730, :men(e)gh- Joh. 666
15 Skt.	sāndra-	cons. s vowel ex B	14 ON	thro*ng	trenk-1 P 1093
13.21 FULL			15 Dan.	hob (LG hōp)	ken-2 FaT 413, P 588-90
1 Grk.	plērēs	pel-1 P 798-9	16 ME	press (Ofr. presse, pres- ser, fr. Lat. pressāre, premere)	per-3 Hh. 131, B, REW 6741, P 818-9
2 Grk.	mestós	med-2 P 706	17 NE	crowd	greut- P 406
3 NG	gemātos (Grk. gémnō)	gem- B, P 368	18 Lith.	daugybe	dheugh- P 271, B, Fr. 84
13.19 MULTITUDE, CROWD			19 Lith.	minia	men-2 P 726, B, Fr. 453 :men(e)gh- Vas. 2.143
1 Grk.	pléthos	pel-1 P 798-9	20 ChSl.	narodъ	werdh- wredh- P 1167, Vas. 2.199, 527 f.
2 Grk.	óchlos	agh- P (7)8, B, Bois. 735, F 14, 15	21 SCR.	naloga	leg- P 658-9, Bern. 1.727 f., 706 f., Vas. 2.53, 26
3 Lat.	multitudo	mel-4 P 720	22 SCR.	tišma	tā- tāi- tāu- P 1053-4, B, Brück. 64
4 Lat.	turba	twer-1 P 1100	23 Boh.	dav	dhau- P 235, Mch. 81, Vas. 1.326
5 It.	folla (VLat. fullāre, Lat. fullō)	bheld- REW 3560, P 124, WH 1.560 f.	24 Boh.	zástup	steb(h)- stēb(h)- etc. ste-m-p- P 1011-3, B, Vas. 3.35
6 Sp.	gentío (Lat. gens, gentem)	g'en-1 REW 3735, Cor. 2.723, P 373-4	25 Boh.	tlum	telp- P 1062, Brück. 572
7 Rum.	gloată (Slav., cf. ChSl., Bulg. glota)	gel-1 B, P 357-8	26 Skt.	bāhulya-	bheng'h- P 127, B
8 Ir.	slūag	sloug-o- P 965	27 Skt.	samūha-	cons. — vowel ux B
9 Br.	niver bras (Lat. numerus)	nem-1 B (13.12), P 763			
10		gwret-so- P 485, B (12.55)			
11 Br.	engroez	ang'h- P 42, B			
12 Goth.	managei	men(e)gh- P 730			

The chosen 31 synonymic sets are composed of 420 units. There are 366 established Indo-European roots, 3 radical morphemes belonging to individual Indo-European language groups, 6 foreign radical morphemes and 45 unknown roots.

LIST OF ESTABLISHED INDO-EUROPEAN ROOTS OF THE GROUP »NARROW«

I. (Type V). I: i-l, i-lu (= root in Pokorny), 9.73 (= Buck's concept number); root 1, different root 1. — U: au(e)-9, 9.36; eu-1, 15.75; roots 2, different roots 2.

Sum I: 3 3

II a. (Type CV). L: lei-3, 9.72, 9.73, 6.94 li-no, 9.19; leu-1- 9.73; lou-, 9.36; lē[i]-3, 16.33; roots 7, different roots 5 = LI 4, 2, LU 2, 2, LE 1, 1.

T: tā-, 16.33, 9.342, 12.62, 5.53, 13.19; deu-2; 9.19; dhau-, 9.342, 13.19; dheu-3, 9.36; dheu-4, 9.19; dhō(u)-, 9.19; tēu-, 5.54, 5.89; dē, 9.16, 9.17, 9.19; dhē-2, 9.72; roots 17, different roots 9 = TA 5, 1, TU 8, 6, TE 4, 2.

K: gwei-1, 16.33; gwei-3, 5.11, 5.12; k'ei-2, 9.72; koilo-, 12.62; kwei(t)-1, 16.33; kweiō-, 16.33; gw-ōu-, 5.89; g'heu-, 9.73; kau-, k'au-, 16.39; keu-2, 13.19; g'hē-2, 4.207; roots 12, different roots 11 = KI 7, 6, KU 4, 4, KE 1, 1.

P: pā-, 5.11, 5.12; bhei(ō)-, 9.72; bhōi-, 16.33; roots 4, different roots 3 = PA 2, 1, PI 2, 2.

S: sē(i)-3, 9.16, 9.17, 9.19; seu-1, 16.39, 9.342; seu-3, 12.62, 9.19; sē[i]-2, 16.33, 16.39; roots 9, different roots 4 = SI 3, 1, SU 4, 2, SE 2, 1.

N: mei-4, 6.57; mēi-7, 15.75; mei-k', mei-g', 5.54, 5.17; nei-1 5.89; meu-1, 15.75, 9.36; nāu-2, 9.18, 9.31; neu-o-, 5.89; mē-3, 9.72; + [s]nē-, 12.62, 9.16, [s. III b]; roots 11 + 2, different roots 8 + 1 = NI 5, 4, NU 5, 3, NE 1 + 2, 1 + 1.

R: rei-1, 9.16, 9.17, 6.57, 9.19; ereu-2, 16.33, 9.31; roots 6, different roots 2 = RI 4, 1, RU 2, 1.

Sum II a: 66 + 2 42 + 1

II b. (Type VC). L: al-2, 5.12; al-5, 5.56, 5.55; el-6, 5.54; roots 4, different roots 3 = AL 3, 2, EL 1, 1. — T: ed-, 5.11, 5.12; od-1, 6.94; roots 3, different roots 2 = ET 3, 2. — K: ag', 5.54; agh-, 13.19; ak'-1, 5.11; roots 3, different roots 3 = AK 3, 3. — P: [ap-1 better], ṓp-, ēp-, 9.16, 9.192, 15.72; roots 3, different root 1 = EP 3, 1. — S: eis-1, 9.18; ōus-1, 4.207; roots 2, different roots 2 = IS 1, 1, US 1, 1. — N: an(ō)-3, 16.39; an-4, 5.17; en-1, 16.33; roots 3, different roots 3 = AN 2, 2, EN 1, 1.

Sum II b: 18, 14

Sum II: 84 + 2 56 + 1

III a. (Type CVC). LK: leig-4, 9.16, 9.17; legḥ-, 13.19; legwh-, 5.53; lēk-1, 9.17; roots 5, different roots 4 = LIK 2, 1, LEK 3, 3.

Sum L-III a: 5, 4

TP: deph-, 5.54; root 1, different root 1 = TEP 1, 1. — TL: del-3, 9.72; root 1, different root 1 = TEL 1, 1. — TR: derō-, 9.72; dher-2, 9.16, 9.17, 5.12; ter-3,

16.33, 9.342, 5.11, 5.12, 9.36, 9.31; [s]ter-8, 12.64; roots 11, different roots 4 = TER 11, 4. — TN: ten-1, 9.19, 9.73, 15.72, 12.64; roots 4, different root 1 = TEN 4, 1. — TK: dheig'h-, 5.53, 9.72; dhëigw-, 12.64; dheugh-, 13.19; deuk-, 9.16, 9.17, 9.19, 9.18; [tag or]teg-, 15.72; tegu-, 12.64; roots 10, different roots 6 = TIK 3, 2, TUK 5, 2, TEK 2, 2.

Sum T-III a: 27, 13

KP: gāb-, 16.33; kap-, 4.207; g'eph-, 4.207; roots 3, different roots 3 = KAP 2, 2, KEP 1, 1. — KT: kat-1, 9.18; root 1, different root 1 = KAT 1, 1. — KL: gel-1, 9.73, 15.72, 13.19; g'hel-1, 9.73; kel-1, 4.207; k'el-4, 9.192; roots 6, different roots 4 = KEL 6, 4. — KR: ger-3, 9.192, 9.19, 9.18; gwer-1, 5.12; gwer-2, 5.57; gher-1, 16.39; gher-2, 5.56, 9.31; gher-5, 9.19; gher-to-, 5.89; g'her-4; 6.57; ker-no-, 4.207; k'er-2, ker-, 5.12; k'erð-, 5.17; kwer-1, 9.72, 16.33; [s]ker-3, 4.207, 12.64; [s]ker-4, 4.207; roots 19, different roots 14 = KER 19, 14. — KN: kam-er- [= kam-p-], 6.57; gem-, 16.39, 9.342, 15.72, 13.21; gen-, 9.342, 9.192, 5.54; g'en-1, 5.54, 13.19; g'en-2; 9.72, 15.72; g'enu-2 = 1, 4.207; ghen-, 9.31; gwhen-1, 12.64; kem-1, 12.64; ken-2, 12.62, 15.75; kom-, 5.17; roots 19, different roots 11 = KAN 1, 1, KEN 18, 10. — KS: g'eus-, 5.11; ghös-, 5.11; roots 2, different roots 2 = KUS 1, 1, KES 1, 1.

Sum K-III a: 50, 35

PL: bhel-1, 5.17; bhel-4 = 3, 5.55; bh(e)lēu-, 15.75; pel-1, 9.36, 15.72, 13.21, 13.19; pel-2 b = 2 a, 15.72; pel-6, 9.73; pelð-, 9.72, 9.36; roots 11, different roots 7 = PEL 11, 7. — PR: bhar-, 5.12, 5.55; bher-2, 5.53; bher-3, 9.31; per-3, 9.342, 9.36, 13.19; roots 7, different roots 4 = PAR 2, 1, PER 5, 3. — PN: pen-1, 5.12; [s]pen-(d)-1, 5.11, 5.12; roots 3, different roots 2 = PEN 3, 2. — PK: bhag-1, 4.207, 5.11, 5.12; pāk', pāg', 12.64; bheug[h]-3, 15.75; bheug-4, 5.11; puk'2, 12.64; pek'w-, 16.33; roots 8, different roots 6 = PAK 4, 2, PUK 3, 3, PEK 1, 1. — PS: peis-1, 5.54, 5.56, 5.55, 5.57; bhes-1, 15.72; roots 5, different roots 2 = PIS 4, 1, PES 1, 1.

Sum P-III a: 34, 21

ST: sed-, 16.33, 9.342; roots 2, different root 1 = SET 2, 1. — SN: sem-2 15.75; root 1, different root 1 = SEN 1, 1. — SK: seg-2, 15.72; root 1, different root 1 = SEK 1, 1.

Sum S-III a: 4, 3

NT: mad-, 5.11, 5.12; meit[h]-1, 5.12; med-2, 13.21; roots 4, different roots 3 = NAT 2, 1, NIT 1, 1, NET 1, 1. — NL: mel-1, 5.56, 5.55, 5.57, 15.75, 9.73, 9.31; mel-4, 13.19; mel-6, 9.73; roots 8, different roots 3 = NEL 8, 3. — NR: mer-5, 15.75, 13.19; [s]mer-, 16.33; roots 3, different roots 2 = NER 3, 2. — NN: men-2, 5.55, 13.19; men-3, 9.72; nem-1, 13.19; roots 4, different roots 3 = NEN 4, 3. — NK: mag', 5.54, 5.53, 6.94, 5.89, 5.79; magh-, 5.56; māk-2, 15.72; neigw-, 9.36; meg[h]-, 5.54, 15.72; roots 10, different roots 5 = NAK 7, 3, NIK 1, 1, NEK 2, 1. — NS: nes-, 5.12; root 1, different root 1 = NES 1, 1.

Sum N-III a: 30, 17

RK: reugh-m(e)n-, 5.89; reḱ', reg', 6.57, 9.18; roots 3, different roots 2 = RUK 1, 1, REK 2, 1.

Sum R-III a: 3, 2

Sum III-a: 153, 95

III b. (Type CCV). PN: pneu-, 16.33; root 1, different root 1 = PNU 1, 1. — SP: sp(h)ei-3 = 2, 9.342, 12.64; roots 2, different roots 1 = SPI 2, 1. — ST: stā-, 5.12; root 1, different root 1 = STA 1, 1. — SN: snā-, 9.36, 5.12; (s)nē-, 16.33, 9.192, 9.19, [s. II a]; roots 5, different roots 2 = SNA 2, 1, SNE 3, 1.

Sum III b: 9, 5

III b. (Type VCC). NK: ang'h-, 16.33, 12.62, 9.16, 9.192, 9.17, 9.19, 9.18, 13.19; enk-, eng-, 16.39; ongw-, 6.94, 5.89; roots 11, different roots 3 = ANK 8, 1, ENK 3, 2. — RK: ar(e)g'-, 9.73; root 1, different root 1 = ARK 1, 1.

Sum III c: 12, 4

Sum III: 174, 104

IV. (Type CVCC, CVCVC, CCVC). LN: lent-o-, 6.57; root 1, different root 1 = LEN-1, 1. — TL: dhelg-, 4.207; telek-, 9.342; telp-, 13.19; roots 3, different roots 3 = TEL-3, 3. — TR: trāgh-, 6.94; dhrebh-, 5.12; roots 2, different roots 2 = TRA-1, 1, TER-, TRE-1, 1. — TN: dens-, 12.64; root 1 different root 1 = TEN-1, 1. — KL: ghe(ē)g'h-, 9.18; root 1, different root 1 = KEL-, KLE-1, 1. — KR: ghreib-, 15.72; greut-, 13.19; gwrēugh-, 16.33; gwret-so-, 13.19; gwhren-, 16.33; kerd-1, 6.57; roots 6, different roots 6 = KRI-1, 1, KRU-2, 2, KER-, KRE-3, 3. — KN: geng-, 12.64; [(s)kamb-] [s]kemb-, 9.192; kenk-1, 9.16, 9.17, 6.57; roots 5, different roots 3 = KEN-5, 3. — PL: bhlig-, 9.342; bheld-, 13.19; roots 2, different roots 2 = PLI-1, 1, PEL-1, 1. — PR: bhreg'-, 5.54; root 1, different root 1 = PRE-1, 1. — PN: bhendh-, 9.16, 9.17, 9.18; bheng'h-, 12.64, 13.19; roots 5, different roots 2 = PEN-5, 2. — SP: sp(h)eud-, 9.342; sper-3, 9.19; roots 2, different roots 2 = SPU-1, 1, SPE-1, 1. — ST: (s)teg-2, 9.16; steb(h)-, 13.19; sten-1, 16.39; sten-2, 12.62; (s)ter-1, 9.342, 12.62, 9.19; ster-5 = 4, 12.62; roots 8, different roots 6 = STE-8, 6. — SL: (s)lāgw-, 9.18; sloug-ō-, 13.19; selp-, 6.94; roots 3, different roots 3 = SLA-1, 1, SLU-1, 1, SEL-1, 1. — SN: sneigwh-, 5.79; [mēlo] smēlo-, 12.62; smek-, 4.207; (s)nēbh-ri-, 12.62; smer(u)-, 6.94, 5.89; roots 6, different roots 5 = SNI-1, 1, SNE-5, 4. — SK: [(s)kēp-2] (s)kāp-, (s)kāb-, 9.72; (s)kek-, skeg-, 4.207; roots 2, different roots 2 = SKA-1, SKE-1, 1. — NN: menth-2, 4.207, 5.11, 5.12; men(e)gh-, 13.19; men(ə)k-, 5.54, 5.53, 6.94, 5.89, 5.79; roots 9, different roots 3 = NEN-9, 3. — NS: mezg-1, 9.36; mezg-2, 9.192; roots 2, different roots 2 = NES-2, 2. — RS: rezg-, 9.19; root 1, different root 1 = RES-1, 1.

Sum IV- 60, 46

V. (Type CCVCC). TR: trenk-1, 9.342, 12.62, 13.19; roots 3, different root 1 = TRE-3, 1. — KL: kleng-, klenk-, 9.18; root 1, different root 1 = KLE-1, 1.

Sum V: 4, 2

Sum I—V: 325 + 2 211 + 1

VI. Y: yeu-1, 5.54, 5.53; yeu-2, 6.57; roots 3, different roots 2 = YU 3, 2. YN: yem-, 9.36; root 1, different root 1 = YEN 1, 1. —Y-: g[y]eu-, 4.207; root 1, different root 1 = KU 1, 1.

Sum Y 5, 4

W: wei-1, 9.16, 9.17, 4.207, 15.75; roots 4, different root 1 = WI 4, 1.

WL: wel-7, 9.19, 9.18; roots 2, different root 1 = WEL 2, 1. — WT: wedh-1, 9.342; root 1, different root 1 = WET 1, 1. — WS: wes-2, 5.12; root 1, different root 1 = WES 1, 1. — WR: wer-1, 9.19, 9.18; wer-3, 16.33, 9.16, 9.17, 9.19, 5.57, 9.31; wer-5, 6.57; wer-7, 15.75; wer-11, 5.12; roots 11, different roots 5 = WER 11, 5.

WL: welk-2, welg-, 5.11, 5.12, 9.36; roots 3, different root 1 = WEL-3,1. — WR: werdh-, wredh-, 13.19; root 1, different root 1 = WRE-1, 1.

-W: twak-2, 9.36; twer-1, 13.19; twer-2, 9.72; roots 3, different roots 3 = TWA-1, 1, TWE-2, 2. — kwēt-, 5.54, 5.53; roots 2, different root 1 = KWE-2, 1. — [wāgh-] swāgh-, 16.39; swēid-, 5.89; swel[k]-1, 5.11, 5.12, 9.36; swergh-, 16.33; roots 6, different roots 4 = SWA-1, 1, SWI-1, 1, SWE-4, 2.

Sum W: 34, 19
Sum I—VI: 364 + 2 234 + 1

THE GROUP: TOUCH (vb.), STRETCH, PUT

The group includes the following 34 notions: 4.26 tongue, 4.34 finger, 12.35 end (in the spatial sense), 15.71 touch (vb.), 9.21 strike (hit, beat), 10.67 push, shove (vb.), 15.74 hard, 11.14 seize, grasp, take hold of, 11.13 take, 11.16 get, obtain, 11.15 hold, 11.56 steal, 11.57 thief, 11.21 give, 9.33 draw, 5.87 milk (vb.), 9.32 stretch, 12.15 stand (vb. intr.), 12.73 straight, 1.42 tree, 10.87 mast, 9.51 beam, 9.34 spread out, strew, 10.23 fall (vb.), 12.57 long, 12.61 wide, broad, 12.44 far (adv.), 12.12 put (place, set, lay), 12.11 place (sb.), 9.943 fitting, suitable, 9.45 hew, 9.44 build, 9.43 carpenter, 9.53 mason.*

4.26 TONGUE			3 Ir.	mēr	māk'- P 699
(s. <i>Linguistica</i> VII, 2, 1965, p. 138)			4 W.	bys	gwis-ti- P 581, B, LP 21
4.34 FINGER			5 Goth.	figgrs	penkw-[e] P 808
1 Grk.	dáktulos	cons. d vowel ex Bois. 164, Frisk 1.344 f., WH 1.351, 340	6 Lith.	pirštas	per-2 P 810-3
			7		stā- P 1004-5
2 Lat.	digitus	deik'- doig'- P 188-9	8 Pol.	palec	pol-o- P 840

* In the concept-group TOUCH 18 additional synonyms are taken into account which are quoted in Buck's discussion. These synonyms are: 12.35 END, Grk. téрма = ter-4; Lat. finis = dhēigw-; 9.21 STRIKE, Lat. icere = āik-; NE knock = g'neg-; 11.13 TAKE, Grk. agréō = ag'-; Grk. helein = sel-3; 11.16 GET, Grk. tugchánō = dheugh-; 12.15 STAND, Sp. tenerse derecho = ten-1 and reg'-1; 12.16 WIDE, ChSl. prostranъ = ster-5 = 4; 9.943 FITTING, Lat. decet = dek'-1; MHG geschicket = (s)kek-; 9.43 CARPENTER, Lat. (faber) tignarius = [s]teg-2; Nlr. (saor) adhmaid = mazdo-; Nlr. (saor) crainn = kwres-; W. (saer) coed = kait-o-; ON hūs(smīdr) = [s]keu-2; 9.53 MASON, Grk. (litho)lógos = leg'-.

9 Skt.	an*guli-	ank-2 ang- P 45-6	3 NG	aggidzō (Grk. eggizō, eggús)	gouð- B, P 403-4
10 Av.	ṛṇzu-	reg'-1 P 854	4 Lat.	tangere	tag- or teg- P 1054
12.35 END (in the spatial sense)			5 It.	toccare (Imitative)	tok REW 8767
1 Grk.	ákron	ak'-2 P 18-21	6 Ir.	do-aidlea (3. sg.)	el-6 P 306-7, B, LP 359
2 Grk.	péras	per-2 P 810-1	7 W.	cyffwrdd	cons. r vowel X B
3 Grk.	térma	ter-4 P 1074-5	8 Goth.	(at)tēkan	dēg- P 183
4 Lat.	extrēmum	eg'hs P 292	9 ON	snerta	(s)ner-1 P 975, Joh. 916-7, B
5 Lat.	finis	dhēigw- P 243-4	10 ON	koma við	gwa- gwem- P 463-4, B
6 It.	capo (Lat. caput)	kap-ut- REW 1668, P 529	11 Dan.	berøre	k'erð- P 582, FaT 937
7 Fr.	bout (Frank. bōtan)	bhāu-1 REW 1228 c, FEW 1.459 f., P 112	12 OE	hrīnan	krei-1 P 618
8 Ir.	(for)cenn	cons. kw vowel e LP 45, 109	13 OE	hreppan	[s]ker-3 P (935)948-9
9 Nir.	deireadh	ret[h]- P 866, B, LP 390	14 Du.	aanraken	reg'-1 P 854-6, B, FaT 870 f., 929, Joh. 717
10 Goth.	andeis	ant- P 48-50	15 Lith.	liesti	lei-3 slei- P 662-4
11 Lith.	galas	gwel-1 P 470	16 Lett.	aiztik	cons. t vowel ix Fr. 1092 f.
12 ChSl.	konлсѣ	ken-3 P 563-4	17 Lett.	aizskart	[s]ker-4 P 938-40
13 SCr.	kraj	[s]ker-4 P 938-46	18 ChSl.	kosnati	kes- P 585
14 Av.	karana	cons. kx, lx vowel ex B	19 ChSl.	prisešti	seg-2 se-n-g- P 887-8
15.71 TOUCH (vb.)			20 SCr.	doticati	[s]teu-1 P 1032, Brück. 571, Mch. 545
1 Grk.	háptomai	ap-1 better ṛp- ēp- P 50-1 :sibh- yebh- P 298, B	21 SCr.	dirati	der-4 P 206-8, Bern. 1.201
2 Grk.	psauō	bhes-1 P 145	22 Russ.	trogat'	[s]ter-1 P (1022)1090, Vas. 3.139
			23 Skt.	spr*ś-	cons. s, p vowel ex B

* Skt. an*guli = with guttural n

The repetition of phonemic characteristics

9.21 STRIKE (Hit, Beat)			19 Ir.	benim	bhei(ə)- P 117
1 Grk.	túptō	[s]teu-1 P 1034-4	20 Ir.	sligim	cons. s, 1 vowel ex P
Goth.	stautan	(s)teu-1 P 1032-4	21 Ir.	slaidim	cons. s, 1 vowel ex
2 Grk.	krouō	kreu-3 P 622	22 Ir.	būalim	b(e)u-2 bh(e)u- P 97-8, B
3 Grk.	kóptō	[s]kēp-2 (s)kāp- etc. P 930-1	23 W.	taro	ter-3 P 1071-2
4 Grk.	theinō	gwhen-2 P 491-2	24 W.	curo (Lat. cūra)	kois- B, P 611
5 Grk.	paíō	pēu- P 827, B, Bois. 740	25 Br.	skei	cons. s, kx vowel X
6 NG	chtupō (Grk. ktupéō)	deup- kteup-? B, P 221, Frisk. 2.36, 1.412 f.	26 Br.	kanna	kand- P 526, B, LP 85
7 NG	barō (Grk. baréō, barús)	gwer-2 B, P 476	27 Br.	dourna	cons. dx, r vowel X. P 203. :der-1 P 203, B (4.33)
8 NG	dérnō (Grk. dérō)	der-4 B, P 206	28 Goth.	slahan	slak- P 959
9 Lat.	ferīre	bher-3 P 133-4	29 Goth.	bliggwan	bheleu- bh(e)lēu- P 125, 159
10 Lat.	percutere	kwēt- P 632, WH 2.399 f.	30 ON	ljōsta	leu-2 P 681-2, Joh. 739-41
11 Lat.	caedere	[s]k(h)ai- P 917	31 ON	drepa	dherebh- dhreb- P 272, Joh. 530
12 Lat.	percellere	kel-3 P 545-6	32 OE	bēatan	bhau-1 P 112
13 Lat.	icere	āik- P 15	33 ME	smite	smē- smēi- sm-ei- smēu- P 966, Hh. 160
14 It.	battere (Lat. battuere, battere fr. Gallic)	bhāt- REW 996, P 111	34 ME	strike	ster-4 P 1028, Hh. 167
15 Fr.	frapper	cons x vowel X REW 3.763, REW 3173	35 ME	hitte (ON hitta)	keid- Hh. 80, P 542
16 Fr.	heurter (Frank.*hurt)	k'er-1 REW 4244, P 574-6	36 NE	knock	g'neg- P 372, B, Hh. 90
17 Sp.	pegar (Lat. picāre, pix)	pā- REW 6477, P (787)793-4, B 5.12 :pei(ə) P 793-4	37 Lith.	mušti	meuk'- P 745, Fr. 475
18 Rum.	lovi (Slav., cf. ChSl. loviti)	lāu- B, P 655	38 Lith.	ištikti	cons. t vowel ix Fr. 1092 f.

39 Lith.	daužti	cons. dx vowel ix Fr. 84	12 ME	putte	cons. P vowel ux Hh. 136, FaT 861 f., 841, Joh. 592
40 Lett.	sist	cons. x vowel ix B	13 SCr.	gurati	g'eu(3) -geu3- P 399, Vas. 1.322
41 Lett.	pērt	per-3 P 818-9	14 SCr.	turati	cons. t vowel X Vas. 3.154 f., 124
42 ChSl.	tlěšti	telek- P 1062	15 Boh.	strkati	ster-5 = 4 P 1029-30
43 ChSl.	uraziti	wrēg'- P 1181-2	16 Pol.	pchać	(peis-1) pis- P 796, Brück. 401, Vas. 2.471
44 Boh.	uhoditi	ghedh- P 423, Bern. 317	17 Pol.	sunac	sk'eu- P 954-5, Brück. 526, Vas. 2.686
45 Skt.	tad- (Of Dravidian origin?)	cons. t vowel ex Mh. 1.492 f.	18 Russ.	tolkat'	telek- P 1062, Vas. 3.115, 116 f.
46 Av.	snath-	cons. k', n vowel ex B			

10.67 PUSH, SHOVE (vb.)

1 Grk.	ōthēō	wedh-1 P 1115
2 Lat.	trūdere	ter-3 P (1071)1095
3 Lat.	pellere	pel-2 a P 801
4 It.	spingere (Vlat. *expingere, pangere)	pāk'- pūg', REW 3048, P 787-8
5 Rum.	imbrinci (Late Lat. branca from Gallic)	wer-3 REW 1271, P 1152-5, WH 1.114
6 NIr.	saithim	sed- P 884-5, B
7 W.	gwrthio	cons. gx vowel X B
8 W.	hyrddu	cons. r vowel X B
9 Goth.	afskiuban	skēu-5 P 954-5
10 Dan.	puffe	cons. P vowel ux FaT 854
11 Dan.	støde	(s)teu-1 P 1032-4 FaT 1198

15.74 HARD

1 Grk.	sklērós	(s)kel-3 P 927
2 Lat.	dūrus	deru- P 214-5, B, WH. 1.384 f.
3 Rum.	tare (Lat. tālis)	to-1 REW 8431, P 1086-7
4 Ir.	crūaid	kren-1 P 621
5 Ir.	calad	kal-1 P 523-4
6 Goth.	hardus	kar-3 P 531
7 Lith.	kietas	cons. kx vowel ix Fr. 252
8 ChSl.	zestokъ	dhegwъh- P 240-1, B Vas. 1.422, 421
9 ChSl.	tvrdъ	twer-2 P 1101
10 Skt.	drdha-	dher-2 P 252-4

11.14 SEIZE, GRASP, TAKE HOLD OF
(s. *Linguistica* VI, 1964, p. 31)

11.13 TAKE

1 Grk.	lambánō	labh-
Skt.	rabh-, labh-	P 652, B :[s]lāgw- P 958 for Grk.
2 Grk.	hairéō	ser-1 P 909
3 Grk.	agréō	ag'- P 4-6, B, Bois. 9 f., Frisk 1.14 ff. :ger-1 P 382, 6 sel-3
4 Grk.	heleîn	
5 NG	paírnō (Grk. epaírnō)	wer-1 B, P.1150
6 Lat.	capere	kap- P 527
7 Lat.	sūmere	em- P 310, WH 1.400 ff.
8 It.	prendere (Lat. prehendere fr. *prahendere)	ghe-n-d- ghed- REW 6736, P 437-8
9 Sp.	tomar (Imitative)	tum(b) REW 8975 :au-4 Cor. 4.490 ff., WH 1.88, 87
10 Rum.	lua (Lat. levāre, levis)	legwh- REW 5000, P 660
11 Ir.	gaibim	ghabh- P 408
12 W.	cym(e)ryd	bher-1 P 128-30, LP 345
13 Goth.	niman	nem-1 P 763
14 ON	taka	dēg- P 183
15 ON	thiggja	tek-2 P 1057-8
16 Skt.	grabh-	ghrebh-1 P 455

2 Grk.	tugchánō	dheugh- P 271
3 NG	paírnō (Grk. epaírnō)	wer-1 B, P 1150
4 Lat.	nanciscī	enek'- P 316-7 ap-1 better ṣp. ēp- P 50-1
5 Lat.	adipiscī	per-2 P 810-8
6 Lat.	parāre	ten-1 BA 4.2705, REW 8646, P 1065-6
7 It.	ottenere (Lat. obtinēre, tenēre)	sekw-1 Cor. 4.175 f., REW 2158, P 896
8 Sp.	conseguir (VLat. *consequere, Lat. consequī)	kap- REW 1635, P 527
9 Rum.	căpăta (VLat. *capitāre, Lat. capere)	stā- P 1004, LP 398
10 Ir.	adcota (3. sg.)	ghabh- P 407-8, B, LP 366
11 NIr.	faghaim	stel-3 P 1019-20
12 Goth.	gastaldan	pāk'- pāg'- P 787-8
13 ON	fā	ghe-n-d- ghed- P 437-8, Joh. 344, F 90
14 ON	geta	gwer-2 P 476-7
15 Du.	krijgen	gw-a- gwem- P 463-4
16 Du.	bekomen	gou- P 403-4
17 Lith.	gauti	bheu- P 146-50, B, Vas. 1.357
18 Lett.	dabūt (Russ. dobyt')	leuk- leuk'- P 687-9, Vas. 1.159
19 ČhSl.	polučiti	

11.15 HOLD

11.16 GET, OBTAIN		
1 Grk.	ktáomai	kthē[1]- P 626

1 Grk.	échō	seg'h- P 888
2 NG	kratō (Grk. kratéō)	kar-3 B, P 531

B. Vodusek

3 NG	bastō (Grk. bastádzō)	cons. x vowel ex B (10.61), Bois. 116, Frisk. 1.225	7 W.	lladratā (Lat. latrō fr. Grk. *latrōn, latron)	cons. l vowel ex B (11.57), WH 1.771 f., Bois. 560, Frisk. 2.89 f.
4 Lat.	tenēre	ten-1 P 1065-6	8 Goth.	stilan	ster-3 P 1028
5 Ir.	congaibim	ghabh- P 407-8, LP 366	9 Lith.	vogti	wā-2 P (1108)1120, WH 2.726 f.
6 W.	dal	del-5 P 196-7	10 Lett.	zagt	cons. g ^x vowel ex ME 4.680
7 Goth.	haban	kap- P 527-8	11 ChSl.	krasti	krā[u]- P 616-7
8 ON	halda	kel-5 = 6 P 548	12 Russ.	varovat'	wer-5 P 1160, B, Brück. 631 :wer-6 Vas. 1.226
9 Lith.	laikyti	leikw- P 669	13 Skt.	mus*	meu-2 P 743
10 Lett.	turēt	twer-2 P 1101	14 Skt.	cur-	cons. k ^x vowel X B
11 ChSl.	držati	dher-2 P 252-4	15 Av.	tarōp-	terp- P 1077
12 Pol.	trzymać	cons. t, r vowel X Brück 583			
13 Av.	hap-	sep- P 909			

11.56 STEAL

1 Grk.	kléptō	k'el-4 P (553)604
2 Lat.	fūrārī	bher-1 P 128-30, WH 1.569
3 It.	rubare (Gmc. *raubōn)	ereu-1 REW 7092, P (338)868-70
4 Fr.	voler (Lat. volāre)	cons. gw, l vowel e REW 9431, Gam. 896, WH. 2.828, B (10.37)
5 Ir.	gataim	ghe-n-d- ghed- P 437-8, LP 53 :ghedh- P 423, B
6 W.	dwyn	deuk- P 220, B, LP 346

11.57 THIEF

1 Grk.	kléptēs	k'el-4 P (553)604
2 Grk.	phōr	bher-1 P 128-30
3 It.	ladro (Lat. latrō fr. Grk. *latrōn, la- tron)	cons. l vowel ex REW 4931, WH 1.771 f., Bois. 560, Frisk. 2.89 f.
4 Fr.	voleur (Lat. volāre)	cons. gw, l vowel e REW 9431, Gam. 896, WH 2.828, B (10.37)
5 Rum.	hot*	cons. x vowel X B
6 Ir.	tāid	[s]tāi- P 1010
Skt.	stena-	(s)tāi- P 1010

The repetition of phonemic characteristics

7 Ir.	merlech	mer-5 P 735-6			9.33 DRAW, PULL
8 NIr.	gadaidhe	ghe-n-d- ghed- P 437-8, LP 53 :ghedh- P 423, B	1 Grk.	hélkō	selk- P 901
9 Goth.	thiufs	teup- P 1085	2 Grk.	spáō	sp[h]ē[i]-2 sp(h)ēi- P 982
10 Lith.	vagis	wā-2 P (1108)1120, WH 2.726 f.	3 Grk.	erúō	cons. w, r vowel ex Bois. 286 f., Frisk 1.571
11. Lett.	zaglis	cons. g ^x vowel ex ME 4.680	4 NG	sérnō (Grk. stūrō)	swerbh- swer-? B, P 1050-1
12 SCr.	kradljivac	krā[u]- P 616-7 Vuk 307, 310	5 NG	trabō (Byz. taurídžō, Grk. tauros)	tēu- B, P 1080-3
13. Boh.	zloděj	gh'wel- P 489-90, Mch. 586, Brück. 654	6 Lat.	trahere	trāgh- trēgh- P 1089
14		dhē-2 P 235-7	7 Lat.	ducere	deuk- P 220
15 Russ.	vor	wer-5 P 1160, B, Brück. 631 :wer-6 Vas. 1.226	8 It.	tirare (VLat. martyráre fr. Grk. mártus, márturos) (Gmc. *teran)	[s]mer- B, P 969
16 Skt.	cāura-	cons. k ^x vowel ux B	9 Sp.	sacar (Lat. saccus fr. Grk. sákkos fr. Hebr. sak fr. Assyr. šakku)	šakku REW 7489, WH 1.458 f., Lok. 1781
17 Skt.	mos*aka-	meu-2 P 743	10 Ir.	srengim	(s)ter-1 P (1022)1036-7
11.21 GIVE			11 W.	tynnu (Lat. tendere)	ten-1 B, LP 61, P 1065-6
1 Grk.	dídōmi	dō- P 223-4	12 ON	draga	dherāgh- P 257
W.	rhoi, rhoddi	P 223-4, B, LP 345 f. :reg'- P 854-6 for W.	13 Dan.	traekke (MLG trecken)	der-4 FaT 1292, P 206-9
2 Ir.	do-biur-	bher-1 P 128-30	14 NE	pull	cons. P vowel X B
3 NIr.	tugaim	enek'- P 317, 347, B (10.61), LP 142, 344 ff.	15 Lith.	traukti	ter-3 P 1071-4
4 Goth.	giban	ghabh- P 407-8	16 Lett.	vilk't	welk-1 P 1145
5 Skt.	rā-	rei-4 rei- P 860, B, WH 2.430 f.	17 Skt.	kr*s*	cons. k, l vowel ex Mh. 1.176

5.87 MILK (vb.)

- 1 Grk. amélgō mēlg'-
P 722-3
- 2 Fr. traire tragh- trēgh-
(Lat. trahere) REW 8841,
P 1089
- 3 Sp. ordeñar ar-1
(VLat. *ōrdiniāre, REW 6091,
Lat. ōrdo) P 55-60
- 4 Ir. crudim cons. kx, r
vowel X
B
- 5 Lett. slaukt k'leu-2
P 607
- 6 Boh. dojiti dhē(i)-
P 241-2,
Mch. 91
- 7 Skt. duh- dheugh-
P 271

9.32 STRETCH

- 1 Grk. tefnō ten-1
P 1065
- 2 Ir. sinim sē[i]-2
P 889-90
- 3 Dan. straekke (s)ter-1
(MLG strecken) FaT 1185,
P 1022-23
- 4 Dan. spaende sp(h)ē[i]-2
sp(h)ēi-
P 982,
FaT 1139,
Joh. 889
- 5 Lett. stiept stāi-
stēi-bh-
stēi-p-
P (1010)1015-6
- 6 Boh. napinati [s]pen-[d]-1
P 988,
Mch. 379

12.15 STAND (vb. intr.)

- 1 Grk. hístamai stā-
P 1004
- 2 It. (stare in) piedi pēd-2
(Lat. pes, pedem) REW 6439,
P 790
- 3 Fr. (être) debout bhāu-1
(Frank. bōtan) REW 1228 c,
FEW 1.459 f.,
P 112

- 4 Sp. tenerse derecho ten-1
(Lat. tenēre) REW 8646,
P 1065-6
- 5 (VLat. *dērēctus, reg'-1
Lat. dirēctus, REW 2648,
dirigere) P 854-5
- 6 Br. chom k'ēu-2
(enn he zao) B, REW 1779,
(Fr. chômer fr. Grk. P 595
kaūma)

12.73 STRAIGHT

- 1 Grk. euthús sē(i)dh-
P 892
- 2 Grk. (orthós) werdh- wredh-
P 1167
- 3 NG ísios w(e)id-2
(Grk. ísos) B, P 1125-7
Bois. 383,
Frisk. 1.737
:wí-
P 1175-6
- 4 Lat. rēctus reg'-1
P 854-5
- 5 W. union e-3 ei- i- i-
P 281-6
- 6 yem-
P 505,
B (16.73)
- 7 ON beinn cons. bh
vowel ix
Joh. 602,
FaT 70
- 8 Dan. lige (lēig-2) lig-
P 667,
FaT 642 f.
- 9 NE straight (s)ter-1
P 1022-3,
Hh. 167
- 10 NHG gerade ret[h]-
P 866,
FaT 336,
KM 249, 583
:kret-1
P 620, B
- 11 Lith. tiesus cons. t
vowel ix
Fr. 1089, 1073 f.,
Vas. 3.109, 102
- 12 ChSl. pravъ per-2
P 810-5

The repetition of phonemic characteristics

13 SCr.	ravan	reu- P 874, Vas. 2.526	16 Av.	vanā-	cons. w, n vowel ex B
14 Pol.	prosty	stā- P 1004-5 Brück. 439, Vas. 2.444	10.87 MAST (s. <i>Linguistica</i> VI, 1964, p. 30)		

1.42 TREE

1 Grk.	déndron	deru- P 214
2 Lat.	arbor	er-3 P (326)339
3 Rum.	copac (Alb. kopaq)	cons. kx vowel ex B
4 Ir.	crann	kwres- P 633
5 Ir.	fid	wl-1 P (1175, 1127) 1177, B (1.41)
6		dhē-2 P 235
7 W.	coeden	kait-o- P 521
8 Goth.	bagms	bheu- P 146-9, Joh. 605-6 (F 73 f.)
9 Lith.	medis	medhi- P 706-7 Fr. 423 ff.
10 Lett.	kuoks	keu-2 P 588-9, Fr. 306
11 ChSl.	dābъ	dheu-4 P 261-4, B, Bern. 1.216 f. dem- P 198, Vas. 1.376 f.
12 Boh.	strom	(s)ter-1 P 1022, Mch. 477, Vas. 3.25
13 Skt.	vr*ks*a-	cons. w, l vowel ex B
14 Skt.	pādapa-	pēd-2 P 790, B
15		pō[i]- P 839-40

9.51 BEAM

1 Grk.	dokós	dek'-1 P 189
2 NG	pateró (Grk. pátos)	pent- B (7.26), P 808-9
3 NG	grentiá (Slav., cf. SCr. greda)	ghrendh- B, P 459-60, Vas. 1.315
4 NG	trába (It. trave fr. Lat. trabs, trabem)	trēb- B, REW 8823, P 1090
5 Fr.	poutre (VLat. *pulliter, Lat. pullus)	pōu- REW 6825, P 842-3
6 Sp.	viga (VLat. biga, Lat. bigae)	dwō[u]- dwei- REW 1095, P 228-9, WH 1.105
7		yeu-2 P 508
8 Rum.	birna (Slav., cf. ChSl. brъvъno)	bhrū-2 bhrēu- B, P 173
9 Ir.	trost (Lat. transtrum, trāns)	ter-5 = 4 B, LP 152, P 1075-6, WH 2.700
10 Ir.	crann	kwres- P 633
11 NIr.	sail	sal-2 P 879, B
12 Goth.	ans	cons. n vowel ex F 52, FaT 9
13 ON	bjalki	bhel-5 P 122-3
14 ON	trē	deru- P 214-5
15 OE	bēam	bheu- P 146-9
16 Lith.	sija	sē(i)-3 P 891
17 Lith.	raštas	rendh- P 865, Fr. 700, 722 f.

18 Boh. tram (NHG dial. tram, cf. MHG drām[e], trām[e], OHG dremil)	ter-3 Mch. 533, Brück. 574 f., P 1071-2	16 ChSl. rasypati	swep-2 sweb- P 1049
19 Skt. sthūn*a-	stā- P 1004-8	17 Boh. trousiti	ter-1 P (1070)1092-3, Mch. 536, Vas. 3.144

20 Av. fra-skōmba-	skabh- skambh- P 916
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10.23 FALL (vb.)

9.34 SPREAD OUT, STREW

1 Grk. stórnumi	ster-5 = 4 P 1029-30
2 Lat. spargere	(s)p(h)er-1 = 2 P (993)996-7
3 It. stendere (Lat. extendere)	ten-1 REW 3083, P 1065-6
4 It. spandere (Lat. expandere)	pet-1 REW 3030, P 824
5 Rum. imprăs*tia (ChSl prašta, prati)	per-2 B (20.23), P 810-7 per-3 Vas. 2.426
6 NIr. leathnuighim	pelō- P (805)833,B
7 W. taenu	stag- P 1010, B
8 W. chwalu	(s)kel-1 P 923-4
9 ON breiða	cons. bh, r vowel X F 104, FaT 100, 1131, Joh. 897
10 Lith. ištieti	cons. t vowel ix Fr. 1089, 1073 f., Vas. 3.109, 102
11 Lith. kloti	[s]kel-4 P (928)599
12 Lith. berti	hher-1 P 128-32
13 Lith. kreikti	[s]ker-4 P 938-46, Fr. 286 f., 297
14 Lett. kaisīt	cons. kx vowel ix Fr. 260, 259, B
15 ChSl. postylati	stel-2 = 3 P 1018-9

1 Grk. píptō	pet-2 P 825
2 Lat. cadere	k'ad-1 P 516
3 Fr. tomber (Imitative)	tūm(b) REW 8975
4 Ir. do-tuit (3. sg.)	[s]teu-1 P 1032-4, LP 402 f.
5 W. cwympo	cons. kx vowel X B
6 W. syrthio	(s)ter-1 P 1022-3, B
7 Br. koeza	keid- P 542
8 Goth. driusan	dhreu- P 274
9 ON falla	phöl- P 851
10 Lith. kristi	kret-1 P 620, B, Fr. 295
11 ChSl. pasti	pēd-2 P 790-1

12.57 LONG

1 Grk. makrós	māk'- P 699
2 Grk. dolichós	del-5 P 196-7
3 Sp. largo (Lat. largus)	lai- REW 4912, P 652
4 Ir. cian	cons. kx vowel X B
5 Ir. fota	wazdh- better wozdh- P 1113
6 W. hir	sē[i]-2 P 889-91
7 W. maith	meg[h]- P 708-9

8 Lett.	gar's	cons. g ^x , r vowel ex B, Fr. 136 f.	5 Lat.	longē	del-5 P 196-7 [s]līg- sleg- REW 4956, P 959
	12.61 WIDE, BROAD		6 Sp.	lejos (Lat. laxus)	cons. k ^x vowel X B
1 Grk.	platús	pelō- P (805)833	7 Ir.	(in) chēin	wazdh- better wozdh- P 1113, B
2 Grk.	eurús	wer-9 P 1165	8 Nlr.	(i) bhfad	wi-1 P 1175
3 NG	phardus (It. fardo fr. Arab. fard)	fard B, REW 3193 b, Lok. 588	9 NHG	weit	ei-1 P 293-5
4 Lat.	lātus	stel-2 = 3 P 1018	10		to-1 P 1086-7, Fr. 1105, 1106 f.
5 It.	largo (Lat. largus)	lai- REW 4912, P 652	11 Lith.	toli	deu-3 P 219
6 Sp.	ancho (Lat. amplius)	am-1 REW 430, P 35	12 Skt.	dūram	
7 Ir.	farsiung	ang'h- P 42		12.12 PUT (Place, Set, Lay)	
8 Goth.	braiths	cons. bh, r vowel X F 104, FaT 100, 1131, Joh. 897	1 Grk.	títhēmi	dhē-2 P 235-6
9 ON	viðr	wi-1 P 1175	2 NG	bádzō ,aor. ébala (Grk. bállō)	gwel-2 B, P 471-2
10		ei-1 P 293-5	3 Lat.	pōnere	sē(i)-2 P 889-91
11 ChSl.	širok _ъ	sk'āi- P 917-8, Brück. 547, Vas. 3.401 (.B)	4 Lat.	collocāre	stel-3 P 1019
12 ChSl.	prostran _ъ	(s)ter-5 = 4 P 1029-30	5 It.	mettere (Lat. mittere)	smeit- REW 5616, P 968
13 Av.	pathana-	pet-1 P 824	6 Fr.	poser (Lat. pausāre, pausa fr. Grk. paúsis)	paus- REW 6308, Gam. 710, WH 2.268, P 790
	12.44 FAR (adv.)		7 Fr.	placer (Lat. platea fr. Grk. plateia)	pelō- REW 6583, P (805)833
1 Grk.	makrān	māk'- P 699	8 Rum.	băga	cons. x vowel ex REW 880, B
2 Grk.	pórrō	per-2 P 810-6	9 Ir.	cuirim	[s]ker-2 = 3 P 933-4
3 Grk.	téle	kwel-2 P 640	10 Ir.	fo-rimim	rem- P 864
4 NG	allárga (It. alla-larga fr. Lat. largus)	lai- B, REW 4912, P 652	11 W.	gosod	stā- P 1104-5, B
			12 W.	dodi	dō- P 233, B

13 Goth. (ga)satjan	sed- P 884-5	14 Ir. oiremain (OE ðr)	ðus-1 P 784, B (12.353)
14 Goth. (ga)lagjan	legh- P 658-9	15 Nir. ion-	en-1 P 311-2
15 ME putte	cons. P vowel ux Hh. 136, FaT 861 f., 841, Joh. 592	16 Br. dereat	reg'-1 P 485-6, LP 388 f., B
16 Lett. likt	leikw- P 669, Fr. 372 ff.	17 Goth. gadōb (neutr.)	dhabh-2 P 233
17 ChSl. klasti	[s]kel-4 P (928)599	18 Goth. fagrs	pak'- pag'- P 787-8, F 424, FaT 201, Joh. 531-2
18 SCr. metnuti	mē-3 m-et- P 703-4, Bern. 2.40	19 ON fallin	phōl- P 581, Joh. 582
12.11 PLACE sb. (s. Linguistica VI, 1964, p. 34)		20 ON hentr	cons. kx vowel ex Joh. 477-9, 224-5, FaT 474 f., 366, F 244 f., 161
9.943 FITTING, SUITABLE			
1 Grk. epitēdeios	tād- P 1054	21 ON hoefr	kap- P 527-8, Joh. 186-7, FaT 455
2 Grk. eūthetos	es- P 340-2	22 Dan. passende (MLG passen fr. Fr. passer fr. VLat. *passāre, Lat. pas- sus)	pet-1 FaT 917, KM 534, REW 6267, Gam 674, P 824
3	dhē-2 P 235-6	23 Sw. lämplig (MLG *lempen, limpen)	leb- läb- le-m-b[h]- B, FaT 634, 623 f., P 655-7
4 Grk. prépōn	prep- P 845	24 OE gerisene	er-3 P 326-31, B
5 NG katállēlos (Grk. katállēlos)	al-1 B, P 24-5	25 ME sutely Ofr. siute fr. VLat. *sequita, sequere, Lat. sequi)	sekw-1 B, Hh. 169, REW 7839, Gam 821, P 896
6 Lat. conveniēns	gwa- gwem- P 463-4, WH 2.747 f.	26 NE fitting (ON fitja)	pēd-2 Hh. 64, P 790-1, Joh. 541 f.
7 Lat. aptus	ap-1 better ḡp- ēp- P 50-1	27 MHG geschicket	(s)kek- skeg- P 922-3, B
8 Lat. idōneus	e-3 ei- i- i- P 281-2, WH 1.671 f.	28 NHG angemessen	mē-3 m-et- m-ed-1 P (703)705, B
9	de- do- P 181		
10 Lat. habilis	ghabh- P 407-8		
11 Lat. decet (3 sg. impers.)	dek'-1 P 189-90		
12 It proprio (Lat. proprius)	pōter pā- BA 4.3108, P 829, WH 2.373 f.		
13 Ir. comadas	ad-2 P 2, LP 79		

29 Lith.	pritinkas	cons. t vowel ix Fr. 1092 f., B	11 Lith.	tašyti	tekth- P 1058-9
30 Lett.	derīgs	dher-2 P 252-3, Fr. 89, 83	9.44 BUILD		
31 ChSl.	upravlenj	per-2 P 810-5, B	1 Grk.	oikodomēō	weik'- P 1131
32 SCr.	priličan	cons. 1 vowel ix Bern. 719 f., Vas. 2.49, 41	2		dem- P 198
33 SCr.	shodan	sed- P 884-7, B (10.47)	3 NG	ktīdzō (Grk. ktīdzō)	kthē[i]- kthei- B, P 626
34 Boh.	vhodný	ghedh- P 423-4, Mch. 135, Vas. 1.284, 283	4 Lat.	aedificāre	ai-4 P (11)11, WH 1.15 f.
35 Pol.	stosowny (NHG stoss)	(s)teu-1 Brück. 517, P 1032-4	5		dhē-2 P 235-6, WH 1.440-3
36 Skt.	yogya-	yeu-2 P 508-10, B	6 Fr.	bâtir (Gmc. *bastjan)	cons. bh vowel ex REW 981, KM 55
9.45 HEW			7 Rum.	clădi (Slav., cf. ChSl. klasti, kladā)	[s]kel-4 B, P (928)599
1 Grk.	pelekāō (Akkad. pilakku)	pilakku Bois. 761, B (9.25)	8 Rum.	zidi (Slav., cf. ChSl. zīdati, SCr zidati)	dheig'h- B, P 244-5, Vas. 1.455, 450
2 Lat.	dolāre	del-3 P 194	9 NĪr.	foirgnighim	g'en-1 P 373, B, LP 371
3 It.	tagliāre (VLat. tāliāre, Lat. tālea)	tāl- REW 8542, P 1055	10 W.	adelaidu	cons. x vowel ex B
4 Sp.	hachear (Fr. hache fr. Frank. *hapja)	[s]kēp-2 (s)kāp- etc. Cor. 2.866, REW 4035, P 930-2	11 Br.	sevel	stā- P 1004-8
5 Ir.	snaidim	(s)nadh- P 972-3	12 ON	gørva	gwher- P 493-4, B, Joh. 418-9 er-3 P 326-31, 494
6 Br.	trouc'ha	ter-3 P 1071-4, B 9.22	13 Dan.	bygge	bheu- P 146-9, FaT 121, 88
7 Br.	benā	bhei(3)- P 117	14 ChSl.	graditi	gher-4 P (442)444, B, Bern. 1.230, Vas. 1.297
8 Goth.	(maitan)	[s]mēi-2 P (968) 697	15 Russ.	storit'	ster-5 = 4 P 1029-30, Vas. 3.29
9 ON	ho*ggva	kāu- P 535	16 Skt.	nir-mā-	mē-3 P 703, B
10 MHG	zimbern	dem- P 198	17 Av.	kar-	kwer-1 P 641

9.43 CARPENTER

1 Grk.	téktōn	tekth- P 1058
2 NG	maragkós (It. marangone fr. Lat. mergus)	mezg-1 B, REW 5528, P 745
3 NG	ksulourgós (Grk. ksulourgós)	cons. kx, s vowel X B, Bois. 679
4		werg'-2 P 1168
5 Lat.	faber	dhab-2 P 233
6 Lat.	(faber) tignārius	[s]teg-2 P 1014, WH 2.681
7 It.	falegname (Lat. façade)	dhē-2 BA 2.1587, REW 3128, P 235-6
8	(Lat. lignāmen)	leg'- REW 5030 P 658
9 Fr.	charpentier (Lat. carpentārius, carpentum fr. Gallic)	[s]ker-3 REW 1709, P 935, 948, WH 1.117, 272 f.
10 Rum.	dulgher (Tk. dülger fr. NPers. darūk-kār)	deru- Lok. 553, P 214
11		kwer-1 P 641
12	sāir	sap- sab- P 880, B (9.42)
13 NIr.	(saor)' adhmaid	mazdo- P 701-2
14 NIr.	(saor) crainn	kwres- P 633
15 W.	(saer) coed	kait-o- P 521
16 Br.	kalvez	cons. kx vowel ex B, LP 55
17 Goth.	timrja	dem- P 198, F 478
18 ON	(trē)smidr	(s)mēi-2 P 968
19 ON	hus(smifr)	[s]keu-2 P 951-3
20 Sw.	(timmer)man	manu-or monu- P 700

21 Lith. dailide*

22 Lett. remesis

23 Russ. plotnik

24 Skt. ratha(kāra-)

dei-1

P 183-4,
Fr. 79 f.cons. r
vowel ex
Fr. 717,
Vas. 2.511,
Brück. 475pel-3 a
P (802)834-5,
Vas. 2.374ret(h)-
P 866, B

9.53 MASON

1 Grk.	téktōn	tekth- P 1058
2 Grk.	lithourgós	cons. l vowel X Bois. 581, Frisk 2.122
3		werg'-2 P 1168
4 Grk.	(litho)lógos	leg'- P 658
5 Grk.	(litho)dómos Goth. timrja	dem- P 198
6 NG	chtistēs (Grk. ktídzō)	kthē[i]- kthei- B, P 626
7 NG	mastoras (Lat. magister)	meg'[h]- B, P 708, WH 2.10
8 Lat.	(faber)	dhab-2 P 233, B, WH 1.436 f.
9 It.	muratore (Lat. mūrāre, mūrus)	mei-1 BA 4.2531, REW 5764, P 709
10 Fr.	maçon (VLat. *matsiō fr. Lat. mac[h]io fr. Gmc. *makō)	mag'- REW 5208, P 696-7, WH 2.4
11 Sp.	albañil (Arab. bannā')	bannā' Cor. 1.82 f., Lok. 216
12 Rum.	zidar (Slav., cf. SCr. zidar)	dheig'h- B, P 244-5, Vas. 1.455, 450
13 Ir.	sāir	sap- sab- P 880, B (9.42)

14 Nlr.	(saor) cloiche	cons. kx, 1 vowel X B (1.44)	18 Russ. kamenščik	ak'-2 P 18-12, B (1.44), Vas. 1.514, Brück. 215, Mch. 189
15 W.	(saer) cerrig	kar-3 P 531-2, LP 149, 168		
16 ON	steinsmiðr	stāi- P 1010-1	19 Skt. lepaka-	lei-3 slei- P (662)670, B
17		(s)mēi-2 P 968		

The chosen 34 synonymic sets are composed of 537 units. There are 461 established Indo-European roots, 4 imitative radical morphemes belonging to individual Indo-European language groups, 4 foreign radical morphemes, and 68 unknown roots.

LIST OF ESTABLISHED INDO-EUROPEAN ROOTS OF THE GROUP »TOUCH«

I. (Type V). I: āi-4 (= root in Pokorny), 9.44 (= Buck's concept-number); ei-1, 10.87, 12.61, 12.44; roots 4, different roots 2. — U: au-5, 11.14; auēi, 11.14; roots 2, different roots 2. — E: e-3, ei-1, i-, 12.73, 9.943; roots 2, different root 1.

Sum I: 8 5

II a. (Type CV). L: lai-, 12.57, 12.61, 12.44; lei-3, 15.71, 9.53; lāu-, 9.21, leu-2, 9.21; roots 7, different roots 4 = LI 5, 2, LU 2, 2.

T: dei-1, 9.43; deu-3, 12.44; dheu-4, 1.42; tēu-, 9.33; + [s]teu-1, 15.71, 10.23; [s. III b]; de-, 9.943; dhē-1, 5.87; dhē-2, 11.57, 1.42, 12.12, 12.11, 9.943, 9.44, 9.43; dō-, 11.21, 12.12; to-, 15.74, 12.44; roots 17 + 2, different roots 9 + 1 = TI 1, 1, TU 3 + 2, 3 + 1, TE 13, 5.

K: gwā-, 15.71, 11.16, 12.11, 9.943; [s]k(h)ai-, 9.21; g'eu(ō)-, geuō-, 10.67; gouō-, 15.71, 11.16; kāu-, 9.45; keu-2, 1.42; k'eu-2, 12.15; [s]keu-2, 9.943; roots 12, different roots 8 = KA 4, 1, KI 1, 1, KU 7, 6.

P: pā-, 9.21; pā-, pētēr, 9.943; bhei(ō)-, 9.21, 9.45; b(h)eu-2, 9.21; bhāu-1, 12.35, 9.21, 12.15; bheu-, 11.16, 1.42, 9.51, 9.44; pēu-, 9.21; pōu-, 9.51; pō[i]-, 1.42, roots 15, different roots 9 = PA 2, 2, PI 2, 1, PU 10, 5, PE 1, 1.

S: sē(i)-2, 12.12, 12.11 [s. below]; sē(i)-3, 9.41; + se[i]-2, 9.32, 12.57 [s. above]; roots 3 + 2, different roots 2 + 1 = SI 3, 2, SE + 2, + 1.

N: mei-1, 12.11, 9.53; + [s]mei-2, 9.45 [s. III b]; meu-2, 11.56, 11.57; mē-3, 12.12, 9.943, 9.44; roots 7 + 1, different roots 3 + 1 = NI 2 + 1, 1 + 1, NU 2, 1, NE 3, 1.

R: rei-4, 11.21; reuō-, 12.73; roots 2, different roots 2 = RI 1, 1, RU 1, 1.

Sum II a: 63 + 5 37 + 3

II b. (Type VC). L: al-1, 9.943; el-6, 15.71; roots 2, different roots 2 = AL 1, 1, EL 1, 1. — T: ad-2, 9.943; roots 1, different root 1 = AT 1, 1. — K: ag'-, 11.13; ak'-2, 12.35, 9.53; aik-, 9.21; roots 4, different roots 3 = AK 3, 2, IK 1, 1.

— P: [ap-1 better] ɔp-, ēp-, 15.71, 11.16, 9.943; roots 3, different root 1 = EP 3, 1. — S: ɔus-1, 9.943; es-, 9.943; roots 2, different roots 2 = US 1, 1, ES 1, 1. — N: am-1, 12.61; em-, 11.14, 11.13; en-1, 9.943; roots 4 different roots 3 = AN 1, 1, EN 3, 2. — R: ar-1, 5.87, 10.87; er-1, 10.87; er-3, 1.42, 9.943; ereu-2, 11.56; roots 6, different roots 4 = AR 2, 1, ER 4, 3.

Sum II b:	22	16
Sum II:	85 + 5	53 + 3

III a. (Type CVC). LP: labh-, 11.14, 11.13; lēb-, le-m-b-, 9.493; roots 3, different roots 2 = LAP 2, 1, LEP 1, 1. — LK: [s]lāgw-, 11.14; lēig-2, 12.73; leikw-, 11.15, 12.12; leuk-, 11.16; leg-, 11.14, 9.43, 9.53; legħ-, 12.12, 12.11; legwh-, 11.13; [š]lēg-, 12.44; roots 12, different roots 8 = LAK 1, 1, LIK 3, 2, LUK 1, 1, LEK 7, 4.

Sum L-III a:	15	10
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TP: dhab-2, 9.943, 9.43, 9.53; teup-, 11.57; top-, 12.11; roots 5, different roots 3 = TAP 3, 1, TUP 1, 1, TEP 1, 1. — TT: tād-, 9.943; root 1, different root 1 = TAT 1, 1. — TL: tāl-, 9.45; del-3, 9.45; del-5, 11.15, 12.57, 12.61; roots 5, different roots 3 = TAL 1, 1, TEL 4, 2. — TR: der-4, 15.71, 9.21, 9.33; deru-, 15.74, 1.42, 10.87, 9.51, 9.43; dher-2, 15.74, 11.15, 9.943; ter-1, 9.34; ter-3, 9.21, 10.67, 9.33, 9.51, 9.45; ter-(5) = 4, 12.35, 9.51; + [s]ter-1, 15.71 [s. IV]; roots 19 + 1, different roots 6 + 1 = TER 19 + 1, 6 + 1. — TN: dem-, 9.45, 9.44, 9.43, 9.53; ten-1, 11.16, 11.15, 9.33, 9.32, 12.15, 9.51; roots 10, different roots 2 = TEN 10, 2. — TK: deik-, doig-, 4.34; dhēigw-, 12.35; dheig'h-, 9.44, 9.53; deuk-, 11.56, 9.33; dheugh-, 11.56, 5.87; dēg-, 15.71, 11.14, 11.13; dek'-1, 9.51, 9.943; dhegwh-, 15.74; [tag- or] teg-, 15.71; tek-2, 11.13; + [s]teg-2, 9.43 [s. IV]; roots 16 + 1, different roots 10 + 1 = TIK 4, 3, TUK 4, 2, TEK 8 + 1, 5 + 1.

Sum T-III a:	56 + 2	25 + 2
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KP: ghabh-, 11.14, 11.13, 11.16, 11.15, 11.21, 9.943; kap-, 11.14, 11.13, 11.16, 11.15, 9.943; kap-ut-, 12.35; [s]kēp-2, 9.21, 9.45; roots 14, different roots 4 = KAP 12, 3, KEP 2, 1. — KT: k'ad-1, 10.23; kait-o-, 1.42; 9.43; keid-, 9.21, 10.23; ghe-n-d-, ghed-, 11.14, 11.13, 11.16, 11.56, 11.57; ghedh-, 9.21, 9.943; roots 12, different roots 5 = KAT 1, 1, KIT 4, 2, KET 7, 2. — KL: kal-1, 15.74; gel-1, 11.14; gwel-1, 12.35; gwel-2, 12.12; kel-3, 9.21; kel-5 = 6, 11.15; k'el-4, 11.56, 11.57; kwel-2, 12.44; + [s]kel-4, 9.34, 12.12, 9.44, [s. IV]; roots 9 + 3, different roots 8 + 1 = KAL 1, 1, KEL 8 + 3, 7 + 1. — KR: kar-3, 15.74, 11.15, 9.53; ger-3, 11.14; gwer-2, 9.21, 11.16; gher-4, 9.44; gwher-, 9.44; k'er-1, 9.21; k'er-2, 15.71; kwer-1, 9.44, 9.43; [s]ker-(2) = 3, 15.71, 12.12, 9.43; [s]ker-4, 12.35, 15.71, 11.14, 9.34; roots 19, different roots 10 = KAR 3, 1, KER 16, 9. — KN: g'en-1, 9.44; gwhen-2, 9.21; ken-3, 12.35; roots 3, different roots 3 = KEN 3, 3. — KS: gwis-ti-, 4.34; kois-, 9.21; kes-, 15.71; roots 3, different roots 3 = KIS 2, 2, KES 1, 1.

Sum K-III a:	60 + 3	33 + 1
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PT: bhāt-, 9.21; pēd-1, 11.14; pēd-2, 12.15, 1.42, 10.23, 12.11, 9.943; pet-1, 9.34, 12.61, 9.943; pet-2, 10.23; roots 11, different roots 5 = PAT 1, 1, PET 10, 4. — PL: bhel-5, 9.51; bheleu-, bh(e)lēu-, 9.21; pel-2 a, 10.67; pel-3 a, 9.43; pel-2, 9.34, 12.61, 12.12, 12.11; pol-o-, 4.34; phōl-, 10.23, 9.943; roots 11, different roots 7 =

PEL 10, 6 — PR: bher-1, 11.14, 11.13, 11.56, 11.57, 11.21, 9.34; bher-3, 9.21; per-2, 4.34, 12.35, 11.16, 12.73, 9.34, 12.44, 9.943; per-3, 9.21; roots 15, different roots 4 = PER 15, 4. — PN: [s]pen-[d]-1, 9.32; roots 1, different root 1 = PEN 1, 1. — PK: pāk', pāg', 10.67, 11.14, 11.16, 10.87, 9.943; roots 5, different root 1 = PAK 5, 1. — PS: peis-1, 10.67; paus-, 12.12; bhes-1, 15.71; roots 3, different roots 3 = PIS 1, 1, PUS 1, 1, PES 1, 1.

Sum P-III a: 46 21

SP: sap-, sab-, 9.43, 9.53; sep-, 11.15; roots 3, different roots 2 = SAP 2, 1, SEP 1, 1. — ST: sē(i)dh-, 12.73; sed-, 10.67, 11.14, 12.12, 12.11, 9.943; roots 6, different roots 2 = SIT 1, 1, SET 5, 1. — SL: sal-2, 9.51; sel-3, 11.13; roots 2 different roots 2 = SAL 1, 1, SEL 1, 1. — SR: ser-1, 11.13; ser-5, 11.14; roots 2, different roots 2 = SER 2, 2. — SK: sāg-, 11.14; seg-2, 15.71; seg'h-, 11.15; sēk-2, 10.87; sek'w-1, 11.16, 9.943; roots 6, different roots 5 = SAK 1, 1, SEK 5, 4.

Sum S-III a: 19 13

NT: medhi-, 1.42; root 1, different root 1 = NET 1, 1. — NL: mēl-1, 4.26; root 1, different root 1 = NEL 1, 1. — NR: mer-5, 11.57; [s]mer-, 9.33; roots 2, different roots 2 = NER 2, 2. — NN: nem-1, 11.13, [manu- or] monu-, 9.43; roots 2, different roots 2 = NEN 2, 2. — NK: mag', 9.53; māk', 4.34, 12.57, 12.44; meuk', 9.21; meg[h]-, 12.57, 12.11, 9.53; roots 8, different roots 4 = NAK 4, 2, NUK 1, 1, NEK 3, 1.

Sum N-III a: 14 10

RT: ret[h]-, 12.35, 12.73, 9.43; roots 3, different root 1 = RET 3, 1. — RN: rem-, 12.12; root 1, different root 1 = REN 1, 1. — RK: reg'-1, 4.34, 15.71, 12.15, 12.73, 9.943; roots 5, different root 1 = REK 5, 1.

Sum R-III a: 9 3

Sum III a: 219 + 5 115 + 3

III b. (Type CCV). TR: dhreu-, 10.23; roots 1, different root 1 = TRU 1, 1. — KT: kthē[i]-, 11.16, 9.44, 9.54; roots 3, different root 1 = KTE 3, 1. — KL: k'leu-2, 5.87; root 1, different root 1 = KLU 1, 1. — KR: krā[u]-, 11.56, 11.57; krei-1, 15.71; kreu-1, 15.74; kreu-3, 9.21; roots 5, different roots 4 = KRA 2, 1, KRI 1, 1, KRU 2, 2. — PR: bhrū-, bhrēu-, 9.51; root 1, different root 1 = PRU 1, 1. — SP: sp(h)ē[i]-2, 9.33, 9.32; roots 2, different root 1 = SPE 2, 1. — ST: stā-, 4.34, 11.16, 12.15, 12.73, 10.87, 9.51, 12.12, 12.11, 9.44; stāi-, stēi-bh-, stēi-p-, 9.32, 10.87, 9.53; (s)tāi-, 11.57; (s)teu-1, 9.21, 10.67, 9.943 [s. II a]; roots 16, different roots 4 = STA 9, 1, STI 4, 2, STU 3, 1. — SN: smēi-2, 9.43, 9.53; smē-, 9.21; roots 3, different roots 2 = SNI 2, 1, SNE 1, 1. — SK: sk'āi-, 12.61; skēu-5, 10.67; sk'ēu-, 10.67; roots 3, different roots 3 = SKI 1, 1, SKU 2, 2.

Sum III b: 35 18

III c. (Type VCC, VCVC). KS: eg'hs-, 12.35; root 1, different root 1 = EKS 1, 1. — NT: ant-, 12.35; root 1 different root 1 = ANT 1, 1. — NK: ang'h-, 12.61; ank-2, ang-, 4.34; enek', 11.16, 11.21, 12.11; roots 5, different roots 3 = ANK 2, 2, ENK 3, 1.

Sum III c: 7 5

Sum III : 261 + 5 138 + 3

IV. (Type CVCC, CVCVC, CCVC, CCCV). TL-: telek-, 9.21, 10.67; roots 2, different root 1 = TEL-2, 1. — TR-: trāgh-, 9.33, 5.87; dergh- 11.14; dherāgh-, 9.33; dhrebh-, dhreb-, 9.21; trēb-, 9.51; terp-, 11.56; roots 7, different roots 6 = TRA-2, 1, TER-, TRE-5, 5. — TN-: dn^ghū-, 4.26; root 1, different root 1 = TN-1, 1. — TK-: tekth-, 9.45, 9.43, 9.53; roots 3, different root 1 = TEK-3, 1. — KT-: kteup-, 9.21; g^hdem-, 12.11; roots 2, different roots 2 = KTU-1, 1, KTE-1, 1. — KL-: glōgh-, 4.26; root 1, different root 1 = KLO-1, 1. — KR-: ghreib-, 11.14; ghrebh-1, 11.14, 11.13; kret-1, 10.23; roots 4, different roots 3 = KRI-1, 1, KRE-3, 2. — KN-: kand-, 9.21; g^hneg-, 9.21; roots 2, different roots 2 = KAN-1, 1, KNE-1, 1. — PR-: prep-, 9.943; root 1, different root 1 = PRE-1, 1. — PN-: pent[h]-, 9.51, 12.11; penkw-[e]-, 4.34; roots 3, different roots 2 = PEN-3, 2. — SP-: (s)p(h)er-1 = 2, 9.34; root 1, different root 1 = SPE-1, 1. — ST-: stag-, 9.34; stel-(2) = 3, 11.16, 9.34, 12.61, 12.12, 12.11; (s)teg-2, 10.87 [s. III a]; (s)ter-1, 9.33, 9.32, 12.73, 1.42, 10.23; ster-3, 11.56; ster-(5) = 4, 9.21, 10.67, 9.34, 12.61, 9.44 [s. III a]; roots 18, different roots 6 = STA-1, 1, STE-17, 5. — SL-: slak-, 9.21; selk-, 9.33; roots 2, different roots 2 = SLA-1, 1, SEL-1, 1. — SN-: (s)nadh-, 9.45; smeit-, 12.12; (s)ner-1, 15.71; roots 3, different roots 3 = SNA-1, 1, SNI-1, 1, SNE-1, 1. — SK-: skabh-, 9.51; (s)kel-1, 9.34; (s)kel-4, 15.74 [s. III a]; (s)kek-, skeg-, 9.943; roots 4, different roots 4 = SKA-1, 1, SKE-3, 3. — NL-: mēlg^h-, 5.87; root 1, different root 1 = NEL-1, 1. — NS-: mazd-o-, 10.87, 9.43; mezg-1, 9.43; roots 3, different roots 2 = NAS-2, 1, NES-1, 1. — RN-: rendh-, 9.51; root 1, different root 1 = REN-1, 1.

Sum IV: 59 40

V. (Type CCVCC). KR-: ghrendh-, 9.51; root 1, different root 1 = KRE-, 1, 1.

Sum V: 1 1

Sum I-V: 414 + 10 237 + 6

VI. Y: yeu-2, 9.51, 9.943; roots 2, different root 1 = YU 2, 1.

YN: yem-, 12.73; root 1, different root 1 = YEN 1, 1.

Sum Y: -3 2

W: wā-2, 11.56, 11.57; wei-3, 12.11; wī-1, 1.42, 12.61, 12.44; roots 6, different roots 3 = WA 2, 1, WI 4, 2.

WT: w(e)id-, 12.73; wedh-1, 10.67; roots 2, different roots 2 = WIT 1, 1, WET 1, 1. — WK: welk^h-, 9.44; root 1, different root 1 = WIK 1, 1. — WR: wer-1, 11.13, 11.16; wer-3, 10.67; wer-5, 11.56, 11.57; wer-9, 12.61; roots 6, different roots 4 = WER 6, 4.

WL: welk-1, 9.33; root 1, different root 1 = WEL-1, 1. — WR-: werdh-, wredh-, 12.73; werg^h-2, 9.43, 9.53; wrēg-, 9.21; roots 4, different roots 3 = WER-, WRE-4, 3. — WS-: [wazdh- better] wozdh-, 12.57, 12.44; roots 2, different root 1 = WES-2; 1.

-W-: dwō[u]-, 9.51; twer-2, 15.74, 11.14, 11.15; roots 4, different roots 2 = TWE-4, 2. — g^hhwel-, 11.57; kwēt-, 9.21; kwres-, 1.42, 10.87, 9.51, 9.43; roots 6, different roots 3 = KWE-6, 3. — swep-2, swēb-, 9.34; [swerbh-] swer-, 9.33; roots 2, different roots 2 = SWE 2, 2.

Sum W: 34 22

Sum I-VI: 451 + 10 261 + 6

The repetition of phonemic characteristics

TABLE 1
REPRESENTATIVE
SAMPLE,
ROOTS CVC etc.,
GROUP III—V

	P	T	L	R	N	K	K	S	
L	9	6	—	1	4	19	19	4	62
T	6	—	14	51	20	19	19	1	130
K	9	14	34	56	24	2	1	5	145
K	10	14	34	56	23	1	2	5	145
P	2	23	43	58	16	13	12	7	174
S	23	63	15	7	28	27	27	—	190
N	1	12	13	12	29	13	12	2	94
R	5	9	—	—	2	5	6	1	28
	65	141	153	241	146	99	98	25	968

TABLE 13
NARROW, KNEAD,
THICK (I. D.),
ROOTS CVC etc.,
GROUP III—V
Normalized

	P	T	L	R	N	K	K	S	
L	—	—	—	—	4	8	13	—	25
T	4	—	16	65	20	21	20	—	146
K	8	—	16	49	49	—	—	4	126
K	4	4	16	53	49	—	—	4	130
P	—	—	53	33	36	16	16	21	175
S	16	45	12	—	49	8	4	—	134
N	—	16	33	12	53	45	41	12	212
R	—	—	—	—	—	8	8	4	20
	32	65	146	212	260	106	102	45	968

TABLE 14
TOUCH, STRETCH,
PUT,
ROOTS CVC etc.,
GROUP III—V
Normalized

	P	T	L	R	N	K	K	S	
L	9	—	—	—	—	18	18	—	45
T	15	3	21	83	32	30	30	—	214
K	21	25	21	43	6	—	—	6	122
K	20	26	20	43	9	—	—	6	124
P	—	32	33	50	12	9	6	9	151
S	18	119	12	6	18	19	19	—	211
N	—	6	6	6	6	19	19	9	71
R	—	9	—	—	6	6	9	—	30
	83	220	113	231	89	101	101	30	968

TABLE 4
REPRESENTATIVE
SAMPLE,
DIFFERENT ROOTS
CVC etc., GROUP
III—V

	P	T	L	R	N	K	K	S	
L	7	5	—	1	2	7	7	2	31
T	3	—	8	24	6	7	8	1	57
K	4	8	13	26	10	2	1	3	67
K	5	8	13	26	10	1	1	4	68
P	1	13	19	18	7	6	6	5	75
S	13	18	11	6	14	11	10	—	83
N	1	7	8	6	10	8	8	2	50
R	3	5	—	—	2	2	3	1	16
	37	64	72	107	61	44	44	18	447

TABLE 15
NARROW, KNEAD,
THICK (I. D.),
DIFFERENT ROOTS
CVC etc., GROUP
III—V
Normalized

	P	T	L	R	N	K	K	S	
L	—	—	—	—	3	6	6	—	15
T	3	—	12	20	6	9	9	—	59
K	6	—	9	29	20	—	—	3	67
K	3	3	8	30	21	—	—	3	68
P	—	—	26	15	15	8	9	6	79
S	9	23	9	—	23	6	3	—	73
N	—	9	9	6	18	12	11	9	74
R	—	—	—	—	—	3	6	3	12
	21	35	73	100	106	44	44	24	447

TABLE 16
TOUCH, STRETCH,
PUT,
DIFFERENT ROOTS
CVC etc., GROUP
III—V
Normalized

	P	T	L	R	N	K	K	S	
L	5	—	—	—	—	10	10	—	25
T	7	3	10	34	7	15	15	—	91
K	5	9	14	22	6	—	—	5	61
K	5	10	13	22	7	—	—	5	62
P	—	12	17	15	7	3	—	7	61
S	10	29	10	5	12	15	14	—	95
N	—	5	5	5	5	8	9	5	42
R	—	3	—	—	5	—	2	—	10
	32	71	69	103	49	51	50	22	447

The repetition of phonemic characteristics

TABLE 17
NARROW, KNEAD,
THICK (I. D.),
ROOTS CVC etc.,
GROUP III—V
Actual

	P	T	L	R	N	K	K	S	
L	—	—	—	—	1	2	3	—	6
T	1	—	4	16	5	5	5	—	36
K	2	—	4	12	12	—	—	1	31
K	1	1	4	13	12	—	—	1	32
P	—	—	13	8	9	4	4	5	43
S	4	11	3	—	12	2	1	—	33
N	—	4	8	3	13	11	10	3	52
R	—	—	—	—	—	2	2	1	5
	8	16	36	52	64	26	25	11	238

TABLE 18
TOUCH, STRETCH,
PUT,
ROOTS CVC etc.,
GROUP III—V
Actual

	P	T	L	R	N	K	K	S	
L	3	—	—	—	—	6	6	—	15
T	5	1	7	28	11	10	10	—	72
K	7	8	7	15	2	—	—	2	41
K	7	9	7	14	3	—	—	2	42
P	—	11	11	17	4	3	2	3	51
S	6	40	4	2	6	6	7	—	71
N	—	2	2	2	2	6	7	3	24
R	—	3	—	—	2	3	2	—	10
	28	74	38	78	30	34	34	10	326

TABLE 19
NARROW, KNEAD,
THICK (I. D.),
DIFFERENT ROOTS
CVC etc., GROUP
III—V
Actual

	P	T	L	R	N	K	K	S	
L	—	—	—	—	1	2	2	—	5
T	1	—	4	7	2	3	3	—	20
K	2	—	3	10	7	—	—	1	23
K	1	1	3	10	7	—	—	1	23
P	—	—	9	5	5	3	3	2	27
S	3	8	3	—	8	2	1	—	25
N	—	3	3	2	6	4	4	3	25
R	—	—	—	—	—	1	2	1	4
	7	12	25	34	36	15	15	8	152

TABLE 20
TOUCH, STRETCH,
PUT,
DIFFERENT ROOTS
CVC etc., GROUP
III—V
Actual

	P	T	L	R	N	K	K	S	
L	2	—	—	—	—	4	4	—	10
T	3	1	4	14	3	6	6	—	37
K	2	4	6	9	2	—	—	2	25
K	2	4	5	9	3	—	—	2	25
P	—	5	7	6	3	1	—	3	25
S	4	12	4	2	5	6	6	—	39
N	—	2	2	2	2	3	4	2	17
R	—	1	—	—	2	1	—	—	4
	13	29	28	42	20	21	20	9	182

TABLE 21
ROOTS CV, VC,
GROUP II

	RS	NARROW TOUCH		NARROW TOUCH	
		Normalized		Actual	
L	35	53	42	11	9
T	75	97	92	20	20
K	60	36	37	7	8
K	61	36	37	8	8
P	52	34	83	7	18
S	32	53	32	11	7
N	61	77	55	16	12
R	39	29	37	6	8
	415	415	415	86	90

TABLE 22
DIFFERENT ROOTS
CV, VC, GROUP II

	RS	NARROW TOUCH		NARROW TOUCH	
		Normalized		Actual	
L	18	24	18	8	6
T	22	33	33	11	11
K	25	20	17	7	5
K	26	21	17	7	6
P	21	12	30	4	10
S	16	18	15	6	5
N	27	35	21	12	7
R	14	6	18	2	6
	169	169	169	57	56

In the tables the shift from the normal distribution in favour of the phonemic class N for NARROW and in favour of the phonemic class T for TOUCH is evident.

(To be continued.)

POVZETEK

Ugotavljanje zveze med glasom in pomenom v okviru sinonimičnih serij iz indoevropskih jezikov se nadaljuje z dvema novima preskusoma. Priobčeno je 31 sinonimičnih serij s pojmovno karakteristiko »ozek, gnesti, gost« in 34 sinonimičnih serij s pojmovno karakteristiko »dotakniti se, iztegniti, postaviti«. Obe pojmovni skupini sta analizirani na enak način kot prejšnji skupini »gladek« in »hrpav« in rezultati so podani kakor tam v odgovarjajočih seznamih in tabelah. Skupini obsegata pri vpoštevanju vseh nastopajočih korenskih morfemov pod III, IV, V 239 oz. 326 korenskih morfemov in imata torej približno isti obseg kakor prejšnji (tabeli 17, 18). Pri primerjavi normaliziranih podatkov s primerjalno osnovo (tabele 1, 13, 14) vidimo, da je pri skupini »ozek« nastal občuten odmik od osnovne fonemske porazdelitve v korist fonemskega razreda N in pri pojmovni skupini »dotakniti se« prav tak nasproten odmik v korist fonemskega razreda T. V bistvu isti rezultati se pokažejo pri vpoštevanju zgolj različnih korenskih morfemov pod III, IV, V (tabele 19, 20 in 4, 15, 16). In vse to nazadnje potrjujejo podobni, četudi manjši, odmiki pri obeh pojmovnih skupinah pod II (tabeli 21, 22). Zveza med glasom in pomenom, ugotovljena v prejšnjem poglavju, torej ni osamljen pojav, ampak je izkazana v vrsti paralelnih pojavov. Raziskava v študiji je sicer zaenkrat omejena na sedem velikih skupin, ki kažejo v našem statističnem materialu najbolj zastopane pomenske korelacije sedmih konsonantnih razredov L, R, N, T, K, P, S. V končnem delu študije bodo obravnavane še pojmovne skupine, ki razodevajo nenavadno nakopičenost guturalnih, labialnih in sibilantnih glasovnih karakteristik.

Edina zanesljiva metoda za ugotovitev zveze med glasom in pomenom je lahko le statistična. Vendar kakor je bil za naravno zvezo med fonemom l in gladkostjo in fonemom r in hrapavostjo citiran Platon, je za razlago fiziološko-fundiranega glasovnega simbolizma, ki je služil kot vodilo pri sestavljanju pojmovnih skupin, navedenih še nekaj drugih mnenj in opazovanj (F. Kainz, Ch. Darwin).