

SUPER HEAVYWEIGHTS (PART 1)

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In "A Challenge Answered" in the May 1995 Word Ways, Darryl Francis responded to a challenge of Tom Pulliam to assign words to all the numbers from 1 upwards, using the letter sum of words (A=1, B=2, etc.). He reached 250, microminiaturisation, but missed 249. In "Extending Francis" in August 1995, the editor collated responses from various contributors to fill that gap, extending the unbroken run to 354. In the February 1997 Word Ways, I gave words matching numerical palindromes, adding 363, 373, 383, 393, 434, 454, 474, and 484. In the August 1998 Word Ways I gave many dense words, but they were given as averages per letter, and in the November 2003 issue Susan Thorpe similarly gave dense words for 367, 374, 368, 369, 400, 402, 408, 409, 420, and 481. I have ignored the last two references, as they were constrained to the shortest word, irrespective of source.

In the samples below, the continuous run is extended to 501; Part 2 considers larger numbers.

In selecting items from a list more than ten times the size, for each weight I have chosen one of the shorter items, then looked for items which came closer to the ideal of a single, non-hyphenated word in English. Thus, if the reader has an antipathy to, say, place names, he will still often have some items to ponder (although the list will then not be a complete list of the chosen type).

Russian place names dominate because they use many Ys, so tend to be short for a given weight (ie are denser). This dominance is one reason I have given alternatives. Another reason is to introduce some leavening to the diet of place names, and medical and chemical terms. I have included some sayings and proverbs, because some are entertaining and educational: that three should have the same weight of 501 is remarkable.

Chinese place names are written in the style which places hyphens between all syllables, so the hyphen here plays a very different role from its use in English. Chemical names are given complete with numbers: the numbers (or Greek letters) usually indicate the position at which groups are attached to a ring or other structure. I notice that this information has often been omitted in Word Ways and other places. Omitting the information does not change the groups involved, and hence not the chemical empirical formula or weight, but it may mean that the chemical compound may be ambiguous. Letters in brackets may be part of the item, but they usually serve to clarify the meaning of the item. Some items are in capitals because I do not have capitalisation, word split, and hyphenation information.

Given the stated policy of selection, it is reasonable to expect the longest words in the English language to be found by working backwards from the end.

Place names, except where stated, are from the NIMA database, and their positions are given in degrees and minutes, latitude and longitude. For this article, I have used a Medical Dictionary at <http://books.md/>. NA means the Columbia Gazetteer of North America. 'OED?' indicates a few chemicals that I found in the OED in 2000, but, with the new CD-ROM search software forced upon me, cannot now find. BIW = Book of Interesting Words. RSH = Ring Systems Handbook.

Entries give the weight of the item, the number of letters in the item, the item, and its source.

- 355 23 anti-unjust-property-union, OED anti- 4, 1835q
 27 phenolpolysulfonylchlorides, OED sulpho-, 1931q
- 356 27 laparohystero-oophorectomy, www.books.md
 34 Sleeping Bear Dunes National Lake Shore, NA
- 357 26 polyvinylpyrrolidone-iodine [complex], books.md
 29 arthropneumoroentgenographing, from arthropneumoroentgenography,
 www.slovnyk.org/prg/solomkov/dicf/arc/slovnyk_en-uk.index
- 358 25 ureteropyelonephrostomize, from ureteropyelonephrostomy, Dorland
- 359 26 ureteroileoneocystostomies, from ureteroileoneocystostomy, books.md
- 360 26 nephroureterocystectomizes, from nephroureterocystectomy, books.md
 28 everything but the kitchen stove, OED kitchen stove b
- 361 26 Anhydrohydroxyprogesterone, OED ethisterone, 1948q
- 362 26 ureteropyelonephrostomized, from ureteropyelonephrostomy, Dorland
- 363 24 Senatus Populus Que Romanus, = SPQR, Chambers
 25 to have two strings to one's bow, OED two 1
 26 phenylnitrosohydroxylamine, OED cupferron, 1963q
- 364 24 Pogonolosinoostrovskoye, Russia, 55°52, 37°45
 26 Caught with one's trousers down, Chambers
- 365 27 myeloradiculopolyneuritis, books.md
- 366 26 yellowlip pansy monkeyflower, ITIS plant
 27 nephroureterocystectomizing, from nephroureterocystectomy, books.md
- 367 27 polychlorotrifluoroethylene, OED telomer, 1968q
- 368 24 transureteroureterostomy, books.md
 26 bless your little cotton socks, "Oops, Pardon Mrs Arden!", Robson Books, 2001.
- 369 25 ureterotrigoenterostomy, books.md
- 370 26 9-(2-hydroxyethoxymethyl)guanine, $C_8H_{11}N_5O_3$, OED acyclovir
 27 Trifluoromethyldeoxyuridine, http://dtpws4.ncifcrf.gov/ftp/cnames/chname_38.txt
- 371 27 Past-Future-Perfect-Continuous, OED past C, 1925q
 27 hysterosalpingo-oophorectomy, books.md
- 372 28 3-Methyl-6-isopropylcyclohexanone, OED menthone
 29 counterimmunolectrophoretics, from counterimmunolectrophoresis, Dorland
 32 Daughters of the American Revolution, OED daughter 2b
- 373 25 to put a person upon his honour, OED honour 9d
 27 erythrothrombomonoblastosis, allegedly Stedman
 28 Fou-hsin-meng-ku-tsu-tzu-chih-hsien, China, 42°03, 121°44
 30 2-methyl-3-difarnesyl-1,4-naphthoquinone, OED phylloquinone, 1953q
- 374 27 ventriculocisternostomizing, from ventriculocisternostomy, books.md
- 375 26 cystoureteropyelonephritis, Dorland
 32 to teach one's grandmother to suck eggs, OED suck 10a
- 376 26 transureteroureterostomies, singular in Stedman
 37 ta-pocketa-pocketa-pocketa-pocketa-pocketa, OED pocketa-pocketa, 1939q
- 377 26 ureteropyelonephrostomizes, from ureteropyelonephrostomy, Dorland
 29 frequency-division multiplexing, OED multiplex, 1969q
- 378 21 Sovkhoz Yuzhnoy Kul'tury, Russia, 43°24, 39°57
 27 pull the wool over someone's eyes, Chambers
 27 ureteroileoneocystostomises, from ureteroileoneocystostomy, books.md
- 379 27 3-hydroxy-2-methyl-1,4-naphthoquinone, OED phthiocol
 27 [Glutamine] phosphoribosylpyrophosphate [amidotransferase precursor], <http://merops.sanger.ac.uk/pepcards/c44p001.htm> (Sanger = human genome analysis org)

- 31 termination with extreme prejudice, OED prejudice 1c
 34 Supercalifragilisticexpialidocious, OED
- 380 24 Ostanovochnyy Punkt Surkul, Russia, 44°29, 42°25
 28 Allport-Vernon Draw-a-Person Test, Bloomsbury
 30 phenylethylhexahydropyrimidine O?
- 381 25 respiratory syncytial virus, OED respiratory 2
 27 revolutionary-existentialist, OED revolutionary 1a, 1959q
- 382 29 world-without-end-for-everlasting, OED world I 6 b, 1881q
 30 Ching-yuan-hsien-hui-tsu-tzu-chih-ch'u, China, 35°29, 106°20
- 383 25 presumption of survivorship, OED survivorship 1a
 26 transureteroureterostomize, from transureteroureterostomy, books.md
- 384 24 2-(2-Butoxyethoxy)ethoxymethyl, part of Piperonyl Butoxide, OED Piperonyl, 1974q
 27 ureterotrigonoenterostomize, from ureterotrigonoenterostomy, books.md
- 385 26 N-methyl-N-tosylpyrrolidinium (perchlorate), OED tosyl, 1972q
 27 ureteroileoneocystostomizes, from ureteroileoneocystostomy, books.md
 31 to put the toothpaste back in the tube, OED tooth 9a
- 386 27 conjunctivodacryocystostomy, books.md
 32 cholesteric-smectic-pretransitions, OED nonane, 1974q
- 387 23 Svyatonoskiy Poluostrov, Russia, 68°04, 39°52
 27 transureteroureterostomized, from transureteroureterostomy, books.md
 31 to sow the wind and reap the whirlwind, OED whirlwind 2
 34 pseudoantidisestablishmentarianism, Book of Interesting Words
- 388 26 outmonster the monstrosities, OED out- 23a
 28 pep-it-up-team-work-factory-spirit, OED Stakhanovite, 1938q
 28 ureterotrigonoenterostomized, from ureterotrigonoenterostomy, books.md
- 389 24 Przystanek Oboz Szybowcowy, Poland, 49°26, 22°34
 27 Women's Royal Voluntary Service, = WRVS, OED W 3
 29 myeloradiculopolyneuronitises, from myeloradiculopolyneuronitis, books.md
- 390 15 ZZZZZZZZZZZZZZZZ, Palindromicon
 27 hydroxydesoxycorticosterone, Web3
- 391 28 Cultuur-en-Ontspannings~centrum, OED homophile, 1960q
 28 ureteroileoneocystostomizing, from ureteroileoneocystostomy, books.md
- 392 23 Polevyeye Lokottsy Vtoryye, Russia, 52°51, 37°51
 25 3-hydroxy-4-methoxytoluquinone, OED fumigatin, 1967q
- 393 25 Ostanovochnyy Punkt Kozyr'ki, Russia, 45°30, 39°32
 30 3-(α -acetylbenzyl)-4-hydroxycoumarin, OED warfarin (α taken as a)
 30 Virginia northern flying squirrel, ITIS animal
- 394 25 Ostanovochnyy Punkt Propusk, Russia, 56°23, 60°14
 27 Pyr-Trp-Pro-Arg-Pro-Gln-Ile-Pro-Pro, OED nonapeptide, 1972q
 27 [Nizhnyaya] Vodlitsa-Pustosh'-Inyukovskaya, Russia, 60°48, 35°43
 29 conjunctivodacryocystostomies, from conjunctivodacryocystostomy, books.md
- 395 25 Stantsiya Yegor'yevsk Vtoroy, Russia, 55°24, 39°01
 27 transureteroureterostomises, from transureteroureterostomy, books.md
 33 Lincoln Center for the Performing Arts, Upper W Side of Manhattan, SE N.Y., NA
- 396 25 Ozero Krivtsovskoye Pervoye, Russia, 66°38, 35°45
 29 get caught with one's trousers down, Bloomsbury
 29 Wei-shan-i-tsu-hui-tsu-tzu-chih-hsien, China, 25°16, 100°21
 30 tetrahydroparamethoxyquinoline, OED thalline

- 397 24 Mys Dobrotvorskogo Yuzhnyy, Russia, 75°57, 92°50
30 pneumocystis (carinii) pneumonia, OED pneumocystis
- 398 22 Poluostrov Yuryung-Tumus, Russia, 74°05, 111°15
29 chlorite-quartz-muscovite-schist, OED iso-, 1926q
30 hysterosalpingo-oophorectomises, from hysterosalpingo-oophorectomy, books.md
- 399 24 Przystanek Nowoszyce-Prusy, Ukraine, 49°29, 23°27
27 western spiny softshell turtle. ITIS animal
33 needy-hollow-ey'd-sharpe-looking-wretch, OED hollow-eyed, 1590q
- 400 25 Yuzhnyy Kompaneyskiy Proliv, Russia, 46°20, 150°43
30 pseudopseudohypoparathyroidism, OED pseudo-, 1962q
- 401 23 Ostrova Yuzhnyye Krestovyie, Russia, 76°00, 59°31
28 hold forth without interruption, Bloomsbury
29 conjunctivodacryocystostomize, from conjunctivodacryocystostomy, books.md
- 402 23 Ostrov Severnyy Krestovyiy, Russia, 76°02, 59°02
27 transureteroureterostomizes, from transureteroureterostomy, books.md
30 do unto others as you would be done by, Bloomsbury
- 403 25 Volkovyskaya Vozvyshennost', Belarus, 53°09, 24°24
28 ureterotrigonoenterostomizes, from ureterotrigonoenterostomy, books.md
- 404 26 does your mother know you're out?, OED mother 1h
30 Hydroxethylene-triethylammonium, OED hydroxy 1, 1872q
- 405 24 Ostrov Pervyy Kopyshevskiy, Russia, 52°09, 103°54
30 conjunctivodacryocystostomized, from conjunctivodacryocystostomy, books.md
- 406 25 Ostanovochnyy Punkt Ozernyy, Russia, 55°48, 94°11
27 to put words into another's mouth, OED mouth 3l
29 twenty-five-to-thirty-five-year-old, OED modal 6b, 1956q (Organisation Man)
32 Lung-sheng-ko-tsu-lien-ho-tzu-chih-hsien, China, 25°48, 110°00
- 407 26 Privolzhskaya Vozvyshennost', Russia, 52°00, 46°00
33 Associate Justice of the Supreme Court, Bloomsbury
- 408 23 Zaliv Zyuydostovyiy Kultuk, Azerbaijan, 39°19, 49°18
28 transureteroureterostomizing, from transureteroureterostomy, books.md
29 Szigetszentmarton-Szigetujfalu (Vasutallomas), Hungary, 47°13, 18°57
- 409 25 Rybnyy Promysel Nomer Pyatyy, Russia, 53°15, 141°47
28 Fort Story Military Reservation, 18 mi ENE of Norfolk, Virginia, NA
29 ureterotrigonoenterostomizing, from ureterotrigonoenterostomy, books.md
30 amino-hydroxy-triazolo-pyrimidine, Chambers, guanazolo
- 410 25 Ozero Krivtsovskoye Vtoroye, Russia, 66°37, 35°42
32 Morristown National Historical Park, N N.J., NA
32 panhysterosalpingo-oophorectomies, from panhysterosalpingo-oophorectomy, Dorland
- 411 26 Ostanovochnyy Punkt Kortoguz, Russia, 56°45, 61°52
31 hysterosalpingo-oophorectomizing, from hysterosalpingo-oophorectomy, books.md
31 to sing on the wrong side of one's mouth, OED mouth 4b
34 Metaphisico-theologo-cosmologology, OED possible 2c, 1759q
- 412 24 Poluostrov Russkiy Zavorot, Russia, 68°56, 53°50
31 Hornschuch's pseudocrossidium moss, ITIS plant
33 diethylsulphonemethylethylmethane, OED trional
- 413 26 Vostochnyy Nokuyevskiy Zaliv, Russia, 68°22, 38°31
32 (6-methoxypyridazin-3-yl)sulphanilamide, OED sulpha-
37 you could have knocked me down with a feather, Chambers feather
30 conjunctivodacryocystostomises, from conjunctivodacryocystostomy, books.md

- 414 25 Ostrov Severnyy Plavnikovyy, Russia, 74°34, 84°56
 26 5-hydroxy-2-hydroxymethyl- γ -pyrone, OED kojic. (γ taken as g)
 30 to sew pillows under people's elbows, OED pillow B 1 d
- 415 28 colpocystoureterocystotomize, from colpocystoureterocystotomy, Dorland
- 416 25 Poluostrov Yegorlytskiy Kut, Ukraine, 46°18, 31°55
 33 Chen-feng-pu-i-tsu-miao-tsu-tzu-chih-hsien, China, 25°18, 105°42
 35 Northern Australian snake-necked turtle, ITIS animal
- 417 26 Ostrov Yuzhnyy Goryachinskiy, Russia, 69°11, 33°30
 31 cholecystojejunocholecystostomy, W84-032 states this is from an article title
 33 K'o-la-ch'in-tso-i-meng-ku-tsu-tzu-chih-hsien, China, 41°07, 119°44
- 418 27 Sovkhoz Zaveryazhskiye Pokosy, Russia, 58°23, 31°01
 29 7-Hydroxy-2-phenyl-4-methylbenzopyran, OED pyran, 1901q
 30 Fort Stewart Military Reservation, SE Ga, NA
- 419 27 Stavropol'skaya Vozvyshehnost', Russia, 45°00, 43°00
 31 pseudopseudohypoparathyroidisms, singular in OED pseudo- 2
- 420 27 Lednik Bol'shoy Tyuye-Kuyryuktu, Kazakhstan, 42°58, 77°20
 28 to put through a course of sprouts, OED sprout 4
 30 conjunctivodacryocystostomizes, from conjunctivodacryocystostomy, books.md
- 421 26 Murovanokurylovets'kyi Rayon, Ukraine, 48°45, 27°35
 32 turn someone round one's little finger, Chambers turn
 33 panhysterosalpingo-oophorectomized, from panhysterosalpingo-oophorectomy, Dorland
- 422 25 Ostanovochnyy Punkt Yuzhnyy, Russia, 55°57, 94°50
 30 Bernreuter Personality Inventory, Bloomsbury
 32 there's no business like show business, OED show business 1b
 38 galactosylgalactosylglucosylceramidase, Index Medicus, Nat Lib of Medicine, etc
- 423 27 Rybovodnyy Zavod Yeyrineyskiy, Russia, 59°22, 145°48
 31 An-lung-pu-i-tsu-miao-tsu-tzu-chih-hsien, China, 25°06, 105°31
 32 N-methyl-cyclo-hexenyl-methyl-malonyl, OED Evipan, 1936q
- 424 27 Lednik Bol'shoy Tyuye-Kuyryukty, Kazakhstan, 42°58, 77°20
 32 fluorobisisopropylamino~phosphine, OED mipafox, 1953q
 32 (5-methyl-3-phenyl-4-isoxazolyl)-penicillin, OED oxacillin
- 425 26 Ostanovochnyy Punkt Suvorovo, Moldova, 46°45, 29°28
 33 cholecystojejunocholecystostomies, see 417
- 426 27 Ostanovochnyy Punkt Kipreynyy, Russia, 56°53, 91°17
 31 conjunctivodacryocystostomizing, from conjunctivodacryocystostomy, books.md
 34 Dislike-to-getting-up-in-the-morningness, OED -ness 2, 1853q
- 427 28 Michurinsk Vtoroy Voronezhskiy, Russia, 52°54, 40°26
 29 3-(3-oxo-1-phenylbutyl)-4-hydroxycoumarin, OED warfarin
 29 colpocystoureterocystotomises, from colpocystoureterocystotomy, Dorland
 31 born with a silver spoon in one's mouth, Chambers silver
- 428 27 Moristyie Ostrova Chapur'yey Kosy, Russia, 44°51, 47°18
 31 carry the war into the enemy's country, Chambers war
 33 Chen-ning-pu-i-tsu-miao-tsu-tzu-chih-hsien, China, 26°04, 105°46
 33 2,4-diamino-5-(trimethoxybenzyl)-pyrimidine, OED trimethoprim, 1962q
- 429 27 Ostanovochnyy Punkt Untseshty, Moldova, 47°14, 27°49
 33 panhysterosalpingo-oophorectomises, from panhysterosalpingo-oophorectomy, Dorland
 34 legs-do-your-duty-for-the-body-is-in-danger, OED muck-a-muck, 1852q
- 430 27 Ostanovochnyy Punkt Poymennyy, Russia, 47°20, 42°12
 28 you're so sharp you'll cut yourself, OED sharp 3f

- 431 28 Kolodets Tszun khutul usu khuduk, Mongolia, 47°27, 103°55
 31 to pull the rug out from under someone, OED rug 3a
 34 Friedrich August Kekule von Stradonitz, [Kekule formula for benzene], Bloomsbury
 36 T'a-shih-k'u-erh-kan-t'a-chi-k'o-tsu-tzu-chih-hsien, China, 37°46, 75°13
- 432 27 Ostanovochnyy Punkt Volotskoy, Russia, 59°00, 40°13
 31 Columbian bryoerythrophyllum moss, ITIS plant
 33 cholecystojejunocholecystostomize, see 417
- 433 27 Poluostrov Parizhskoy Kommuny, Russia, 79°30, 93°15
 34 to cut the grass from under a person's feet, OED grass 1c
 37 Formaldehydetetramethylamidofluorimum, OED pyronin, 1895q
- 434 28 Ozero Vostochnyy Malyy Kumikush, Russia, 60°20, 55°19
 32 not to have two pennies to rub together, OED rub 5a
 33 laparohysterosalpingo-oophorectomy, books.md
- 435 27 Ostanovochnyy Punkt Traktovyy, Russia, 53°13, 102°55
 34 to ken one's own groats in other folks' kail, OED groats 1b
 34 panhysterosalpingo-oophorectomising, from panhysterosalpingo-oophorectomy, Dorland
- 436 31 6-(4-hydroxy-3-methylbut-2-enyl)-aminopurine, OED zeatin
 33 panhysterosalpingo-oophorectomizes, from panhysterosalpingo-oophorectomy, Dorland
- 437 28 Stantsiya Zaporozh'ye-Gruzovoye, Ukraine, 47°51, 35°15
 31 to get there fustest with the mostest, OED fust
- 438 28 Ostanovochnyy Punkt Potayenny, Russia, 45°21, 40°02
 30 recurved bryoerythrophyllum moss, ITIS plant
 37 Minami-sanriku-kaigan-kenritsu-shizen-koen, Japan, 38°30, 141°30
- 439 29 Ostanovochnyy Punkt Novaya Zhizn', Russia, 56°17, 40°52
 33 twist someone round one's little finger, Chambers finger
- 440 29 Ozero Bol'shoy Sobty-Yuganskiy Sor, Russia, 66°06, 66°34
 34 Roche-sur-Linotte-et-Sorans-les-Cordiers, France, 47°28, 6°12
 36 [N-]acetylglucosaminylphosphotransferase, Dorland
 37 hepaticocholangiocholecystenterostomy, web.ics.purdue.edu/~cirillo/rpffans.htm
- 441 27 Stantsiya Volkhovstroy Pervyy, Russia, 59°55, 32°18
 31 sixty-four thousand dollar question, OED sixty C d
- 442 30 K'o-tzu-le-su-k'o-erh-k'o-tzu Tzu-chih-chou, China, 39°40, 76°10
 35 laparohysterosalpingo-oophorectomies, from l...o-oophorectomy, books.md
- 443 29 Poselok Nomer Pervyy Ul'yanovskiy, Russia, 59°43, 30°52
 31 sym-trinitrophenylnitraminoethyl, OED pentryl, 1933q
 41 TETRADECAHYDROTETRAZOLOAZACYCLOHEXADECINE, RSH
- 444 29 Ostanovochnyy Punkt Prigorodnyy, Russia, 56°12, 90°31
 34 cholecystojejunocholecystostomises, see 417
- 445 27 Stantsiya Volkhovstroy Vtoroy, Russia, 59°55, 32°21
 34 Territorial Army and Volunteer Reserve, Longmans
 38 7-chloro-2-methylamino-5-phenyl-3H-1,4-benzodiazepine, OED benzodiazepine, 1960q
 45 great-great-great-great-great-great-grand-niece-in-law, OED great 21c, 1823q
- 446 28 Ostranovochnyy Punkt Suturmino, Russia, 48°42, 40°00
 36 Wolf Trap Farm Park for the Performing Arts, Fairfax co., NE Va., NA
 39 shut the stable door after the horse has bolted, Bloomsbury
- 447 29 Poselok Nomer Vtoroy Ul'yanovskiy, Russia, 59°41, 30°51
 35 Lien-shan-chuang-tsu-yao-tsu-tzu-chih-hsien, China, 24°37, 112°02
- 448 29 Leskhoz Khozyaystvo Topolinskiy, Russia, 50°56, 80°05
 39 hepaticocholangiocholecystenterostomies, web.ics.purdue.edu/~cirillo/rpffans.htm

- 449 30 Przystanek Synowodzko Bubniszcze, Ukraine, 49°06, 23°38
 32 Hui-shui-pu-i-tsu-miao-tsu-tzu-chih-hsien, China, 26°08, 106°36
 35 laparohysterosalpingo-oophorectomize, from l...o-oophorectomy, books.md
 36 metaphysico-theologo-cosmologo-nigology, OED metaphysico-, 1930q
- 450 28 Vozvyshennost' Zhylanshykturme, Kazakhstan, 49°30, 65°45
 32 conjunctivodacryocystorhinostomy, books.md
- 451 30 Desyat' Let Udmurtskoy ASSR Sovkhoz, Russia, 56°36, 53°15
 31 1-(2-oxopyrrolidino)-4-pyrrolidino-2-butyne, OED oxotremorine
 32 pull oneself up by one's (own) bootstraps, Chambers boot
 34 cholecystojejunocholecystostomizes, see 417
- 452 30 K'o-tzu-lo-su-k'o-erh-k'o-tzu Tzu-chih-chou, China, 39°40, 76°10
 33 not to halloo until one is out of the wood, OED halloo 2b
- 453 29 Stantsiya Volkovysk Tsentral'nyy, Belarus, 53°08, 24°25
 35 ask me no questions and I'll tell you no lies, OED question I 6 d
 36 laparohysterosalpingo-oophorectomized, from l...o-oophorectomy, books.md
- 454 33 tetraethylmonothionopyrophosphate, books.md
- 455 28 Zernopunkt Sovkhoza Urozhaynyy, Kazakhstan, 52°45, 66°25
 36 detention in a young offender institution, Bloomsbury
 37 p-butylaminobenzyldimethylaminoethanol, OED pantocain, 1931q
 39 hepaticocholangiocholecystenterostomize, see 440
- 456 30 Ostanovochnyy Punkt Pel'tiyevskiy, Russia, 43°11, 47°00
- 457 31 Ostanovochnyy Punkt Lazurnyy Bereg, Russia, 43°46, 39°28
 33 unequal leaf bryoerythrophyllum moss, ITIS plant
 35 cholecystojejunocholecystostomizing, see 417
- 458 30 Dorozhno-Remontnyy Punkt Nomer Tri, Russia, 44°58, 41°02
 33 one picture is worth ten thousand words, OED picture 1k
 34 conjunctivodacryocystorhinostomies, from singular in books.md
 35 Hoodoo-Conjuration-Witchcraft-Rootwork, OED root 1e, 1970q
 44 DITHIATETRAAZAPENTACYCLOTRICONTATETRADECAENE, RSH
- 459 31 Biysko-Chumyshskaya Vozvyshennost', Russia, 53°00, 84°00
 32 1-indol-4-yloxy-3-isopropyl-amino-propan-2-ol, OED pindolol
 40 hepaticocholangiocholecystenterostomized, see 440
- 460 30 Stantsiya Petrovsko-Razumovskoye, Russia, 55°50, 37°34
 37 Order of the Presentation of the Virgin Mary, OED presentation I 1
 40 DINITROTETRAMETHYLDIAMINODIPHENYLMETHANE, SOCMA Handbook
- 461 29 Ostanovochnyy Punkt Novyy Rezhel, Russia, 44°10, 39°39
 37 Dimethylamidophenyldimethylpyrazolone, OED Pyramidon
- 462 30 Ostanovochnyy Punkt Kurgokovskiy, Russia, 44°47, 41°28
 35 one shoulder of mutton draws down another, OED shoulder 4a
 37 praetertranssubstantiationally, Mark McShane: Untimely Ripped (1963)
- 463 28 Ostanovochnyy Punkt Dvortsovyy, Russia, 44°36, 42°05
 37 United States Women's Lacrosse Association, Bloomsbury
 39 Alessandro Giuseppe Antonio Anastasio Volta, Bloomsbury, inventor of electric battery
- 464 30 Ostanovochnyy Punkt Severo-Vostok, Uzbekistan, 41°21, 69°20
 35 4,6-bis(isopropylamino)-2-methylthio-1,3,5-triazine, OED prometryne, 1961q
 41 Advisory Conciliation and Arbitration Service, = ACAS, Longmans
- 465 30 Ostanovochnyy Punkt Shushkovskiy, Russia, 56°12, 91°14
 34 conjunctivodacryocystorhinostomize, from conjunctivo...stomy, books.md

- 466 30 Ostanovochnyy Punkt Vorob'yevskiy, Russia, 55°47, 48°19
 35 southwestern white pine dwarf mistletoe, ITIS plant
 42 Bewester-Eede-benoorden-Sint-Pietersdijkpolder, Netherlands, 51°18, 3°24
 36 dihydroxyphenylethanolisopropylamine, www.neis.com/chemicals/search/A/
 467 29 Ostanovochnyy Punkt Sosnovyy Bor, Russia, 54°33, 20°06
 34 hydroxynitrosotetra-ammineruthenium, OED hydroxo-, 1907q
 468 34 turn out to be nothing to write home about, Bloomsbury
 36 laparohysterosalpingo-oophorectomizes, from l...o-oophorectomy, books.md
 469 33 [Stantsiya] Leningrad-Sortirovochnyy-Moskovskiy, Russia, 59°52, 30°26
 35 conjunctivodacryocystorhinostomized, from conjunctivo...stomy, books.md
 45 chemico-philosophico-politico-economico-botanical, OED chemico-, 1856q
 470 33 Vozvyshennost' Instituta Okeanologii, Undesea Feature, 52°00, 150°00
 42 a place for everything and everything in its place, Bloomsbury
 471 33 Ferma Nomer Tri Sovkhoza Syutkentskiy, Kazakhstan, 41°59, 68°08
 45 Fédération Internationale de Football Association, (FIFA), Bloomsbury
 472 31 Stantsiya Kupyansk Sortirovochnyy, Ukraine, 49°40, 37°38
 33 1-isopropylamino-3-(1-naphthyloxy)-2-propanol, OED propanolol
 36 to cross a fortune-teller's hand with silver, OED cross 2b
 473 33 Dukhovskiy Gosudarstvennyy Zakaznik, Russia, 44°06, 40°12
 41 hepaticocholangiocholecystenterostomizing, see 440
 474 34 Stantsiya Komsomol'sk Sortirovochnaya, Russia, 50°27, 136°54
 37 laparohysterosalpingo-oophorectomizing, from l...o-oophorectomy, books.md
 475 33 Stantsiya Kotel'nich Pervyy Kirovskiy, Russia, 58°18, 48°20
 34 World Grand Prix of Cross-country skiers, Bloomsbury
 37 3-(4-methyl-piperazinyl-iminomethyl)-rifampicin, OED rifampicin, 1966q
 476 33 Kutvolgyi Gyogyintezet Vasutallomas, Hungary, 46°28, 20°28
 38 Guilford Courthouse National Military Park, Guilford co., N N.C., NA
 477 35 Otdeleniye Nomer Pyat' Sovkhoza Iliyskiy, Kazakhstan, 43°35, 76°45
 35 conjunctivodacryocystorhinostomises, from conjunctivo...ostomy, books.md
 478 30 Moskovskiy Yuzhnyy Rechnoy Vokzal, Russia, 55°42, 37°37
 48 Fédération Internationale de Bob-sleigh et Tobogganing, Bloomsbury
 479 30 Stantsiya Saratov Vtoroy Tovarnyy, Russia, 51°34, 46°02
 38 Theodore Roosevelt Inaugural Historic Site, Delaware Ave., Buffalo, W N.Y., NA
 39 1-(p-chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic, OED indomethacin, 1963
 480 32 L'vovsko-Volynskoye Mestorozhdeniye, Ukraine, 51°00, 24°15
 41 hepaticocholangiocholecystenterostomizing, see 440
 481 31 Tzu-yun-miao-tsu-pu-i-tsu-tzu-chih-hsien, China, 25°45, 106°05
 34 Port Authority of New York and New Jersey, NA
 482 31 Ostanovochnyy Punkt Chusovodstroy, Russia, 56°50, 60°09
 35 1:8-dihydroxy-3-methoxy-6-methylanthraquinone, OED parietin
 41 no expense spared - throw the cat another goldfish, Oops, Pardon Mrs Arden!, Robson
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 483 33 Burovaya Nomer Pyat' Sovkhoz Kommunizm, Kazakhstan, 54°02, 71°56
 34 hydroxyiminomethyl-1-methylpyridinium, OED pralidoxime, 1970q
 36 conjunctivodacryocystorhinostomising, from conjunctivo...ostomy, books.md
 484 32 Ostanovochnyy Punkt Lyublino-Novoye, Russia, 54°44, 20°17
 35 conjunctivodacryocystorhinostomizes, from conjunctivo...ostomy, books.md
 36 1-(3,5-dihydroxyphenyl)-2-isopropylamino-ethanol, OED orciprenaline
 485 32 Ostanovochnyy Punkt Novopyatigorsk, Russia, 44°02, 43°01
 37 to measure another man's foot by one's own last, OED foot, 26c

- 486 32 Stantsiya Starokonstantinov Pervyy, Ukraine, 49°45, 27°10
 36 look as if butter wouldn't melt in one's mouth, Chambers
 38 everyway-multiform-exquisitely-mechanical, OED everyway 2, 1768q
- 487 34 Pusztaszenttornya Vasuti Megallohely, Hungary, 46°37, 20°41
- 488 33 Ostanovochnyy Punkt Prochnookopskiy, Russia, 45°03, 41°03
- 489 31 Opytnoye Khozyaystvo Shpakovskoye, Russia, 45°07, 42°05
 40 a pair of Yorkshire sleeves in a goldsmith's shop, OED Yorkshire 2
- 490 32 Stantsiya Starokonstantinov Vtoroy, Ukraine, 49°45, 27°20
 36 conjunctivodacryocystorhinostomizing, from conjunctivo...ostomy books.md
- 491 29 Pervyye Vybory v Verkhovnyy Sovet, Russia, 56°53, 121°04
- 492 34 Otdeleniye Nomer 1 Sovkhoza Suvorovskiy, Kazakhstan, 53°17, 74°35
 34 tryin' to scratch your ear with your elbow, Anne Bertram: In a Pig's Eye, The Dictionary of Country Jawing
- 493 32 Ostanovochnyy Punkt Pyatyy Kilometr, Russia, 44°10, 43°08
 37 8-(4-amino-1-methylbutylamino)-6-methoxyquinoline, OED primaquine
- 494 32 Stantsiya Armavir Pervyy Rostovskiy, Russia, 44°59, 41°07
- 495 34 Kung-shan-tu-lung-tsu-nu-tsu-tzu-chih-hsien, China, 27°41, 98°37
 37 honest-to-goodness-twelve-months-in-the-year, OED honest 4d, 1916q
 40 aminoheptafluorocyclotetraphosphonitrile, www.askoxford.com/asktheexperts/faq/aboutwords
- 496 34 Kulikovskoye Okhotnich'ye Khozyaystvo, Russia, 52°15, 39°25
- 497 34 Isopropoxy-methyl-phosphoryl-flouride, OED Sarin
- 498 31 Ostanovochnyy Punkt Vzmor'ye-Novoye, Russia, 54°56, 20°01
- 499 33 Ostanovochnyy Punkt Sokol'niki-Novyye, Russia, 54°55, 20°22
 38 ask a silly question and you get a silly answer, OED question 6d
- 500 42 Perry's Victory and International Peace Memorial, N Ohio, NA
- 501 33 Stantsiya Sverdlovsk Sortirovochnyy, Russia, 56°52, 60°28
 37 look as if butter would not melt in one's mouth, Bloomsbury,
 38 tell the whole truth and nothing but the truth, Bloomsbury
 40 to gain on the swings and lose on the roundabouts, OED swing 11b