

KESCOWS NEBES MOY
CORNISH FOR EVERYDAY LIFE

Second Edition

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*Supplementary to Gerlyver Kescows
and continuously reviewed and expanded*

SECTION 14

PHYSICAL WORLD

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A more up-to-date version may be available on-line at lovinglivingcornish

The purpose of *Kescows Nebes Moy* is to enable Cornish conversation about most non-specialist subjects without the need to switch into English. A first edition appeared in 2018. Cornish vocabulary items not found in *Gerlyver Kescows* were presented for the first time in classified lists that take the learner beyond elementary vocabulary, enabling conversation about more technical topics that nonetheless form part of everyday life.

The first edition was necessarily quite experimental, and was confined to just five thousand entries. Much has been learned since the first edition appeared. This second edition is being developed in more comprehensive form on-line. In particular we are considering families wishing to speak Cornish in the home, as well as the challenge of establishing potential for teaching through the medium of Cornish in primary and secondary schools.

We are very grateful to Professor Nicholas Williams and Michael Everson for the opportunity to coordinate these lists with drafts of their *Gerlyver Brâs*.

A word has a single stress accent on the penultimate syllable in the absence of any specific indication. When this accent falls elsewhere, the underlined vowel marks the syllable which is stressed. The symbol || after a word indicates that, instead of a single stress accent, two syllables of the word are given prominence. In the case of a disyllabic word the prominence is usually slightly stronger on the adjectival element.

14-A PHYSICS

an bednrêwl || ancertuster *m* the uncertainty principle

an carg elvednek *m* the elementary charge

an constant Avogadro *m* the Avogadro constant

an constant Boltzmann *m* the Boltzmann constant

an constant Planck *m* the Planck constant
an Model Standard *m* the Standard Model
ascoth *m* fallout (incl figuratively)
baryon *m baryonow* baryon
berus ughcrytycal || *m berusyon* supercritical fluid
boson *m bosonow* boson
boson musur *m bosonow* gauge boson
brén *m brênow* brane
colpeseth *m* leverage (incl figuratively)
criogenek *adj* cryogenic
criogenyk *m & f* cryogenics
cyclotron *m cyclotronow* cyclotron
damcanieth corden *f* string theory
dehesyor hadronow *m dehesyoryon* hadron collider
dewbol *m dewbolow* dipole
dewynyans *m* radiation
dyfysk *m* inertia
dymensyon *m dymensyons* dimension
dyvass *adj* massless
dywasca *v* decompress
dywascans *m* decompression
dywaskedhy *v* depressurize
dywaskedhyans *m* depressurization
electrotenvenieth || *f* electromagnetism
electrotenvenek || *adj* electromagnetic
electron *m electronow* electron
entropy *m* entropy
faljans sprusek *m* nuclear fission
fermyon *m fermyonow* fermion

fors dyskerhek *m* gravitational force
fors electrotvenek || *m* electromagnetic force
fors sprusek crev *m* strong nuclear force
fors sprusek gwadn *m* weak nuclear force
fôton *m* *fôtonow* photon
fros dydro *m* direct current (DC)
fros eylyansus *m* alternating current (AC)
gassek *adj* gaseous
glûon *m* *glûonow* gluon
gogoskes *m* penumbra
gordobma *v* superheat
gorhembrynkys *m* *gorhembrynkysy* superconductor
gorhemusureth *m* supersymmetry
gorthtemygen || *f* *gorthtemygednow* || antiparticle
gorthvater || *m* antimatter
goryêynhe || *v* supercool
gwascans *m* compression
gwaskedhy *v* pressurize
gwaskedhyans *m* pressurization
hadron *m* *hadronow* hadron
hanter-oos || *m* *hanter-osow* || half-life
inductans *m* inductance
ion *m* *ionow* ion
ionegy *v* ionize
ionek *adj* ionic
isotôp *m* *isotôpow* isotope
isrudh || *adj* infrared
is-sonyk || *adj* subsonic
jagdon || *f* *jagdodnow* || shock wave

kenkeynek *m kenkeynegyon* [optical] prism
keyfordhyans qwantùm *m* quantum tunnelling
lepton *m leptonow* lepton
lêsans *m* amplitude (of wave)
liv *m* flux
livdewder || *m* flux density
lydnek *adj* liquid
maglyans qwantùm *m* quantum entanglement
mass crytycal *m* critical mass
mater baryonek *m* baryonic matter
mater tewl *m* dark matter
mecanek *adj* mechanical
mecanyk *m & f* mechanics
mecanyk qwantùm *m & f* quantum mechanics
mellyans *m* interference
menowghter *m menowghterow* frequency
mêson *m mêsonow* meson
mûon *m mûonow* muon
nerth tewl *m* dark energy
Newtônyan *adj* Newtonian
newtrînô *m newtrînôs* neutrino
newtron *m newtronow* neutron
nûcleon *m nûcleonow* nucleon
omdedhans sprusek *m* nuclear fusion
orbytal *m orbytalys* orbital
ow resek yn tyrêwl *phr* runaway (reaction etc)
park electrotvenek || *m parcow* electromagnetic field
park skeulek *m parcow* scalar field
park tenvenek *m parcow* magnetic field

park vector *m parcow* vector field
pednrêwl || **exclûsyon Pauli** *phr* the Pauli exclusion principle
perthynecter jeneral *m* general relativity
perthynecter specyal *m* special relativity
perthynecterek *adj* relativistic
perveth poster *m* centre of gravity
pion (mêson py) *m pionow* pion
plasma *m* plasma
plysken electron *f plyskednow* electron shell
polareth (polaryta) *m* polarity
posytron *m posytronow* positron
poynt bryjyon *m* boiling point
prôton *m prôtonow* proton
qwantùm *m qwanta* quantum
qwark *m qwarcow* quark
radyôwythresek *adj* radioactive
resystens *m* resistance
rewboynt || *m* freezing point
rùttyans *m* friction
spâss-termyn *m* space-time
spectrùm *m spectra* spectrum
sprusek *adj* nuclear
sprusen *f sprusednow* nucleus
stubmans golow *m* refraction
syncrotron *m syncrotronow* synchrotron
temygen *f temygednow* particle
temygen elvednek *f temygednow* elementary / fundamental particle
temygen isatomek || *f temygednow* subatomic particle
tenvenek (magnetyk) *adj* magnetic

tenvenieth *f* magnetism

termyn *m* *termynyow* period (of wave)

thermodynamyk || *m* & *f* thermodynamics

todnfulv || *f* *todnfulvyow* || waveform

todnhës || *m* *tonhesow* wavelength

torgh *m* torque

toth an golow *m* the speed of light

troweyth *m* *troweythow* cycle

troyll gowlnyverek || *f* integer spin

troyll hanter-cowlnyverek || *f* half-integer spin

ughsonyk || *adj* supersonic

ughvyolet || *adj* ultraviolet (UV)

uskys'heor || **temygednow** *m* *uskys'heoryon* || particle accelerator

uskytter *m* velocity

zêrô absolût *m* absolute zero

14-B CHEMISTRY

acydek *adj* acidic

alcalîn *adj* alkaline

alcaly *m* *alcalys* alkali

alcân *m* *alcânnow* alkane, paraffin

alkên *m* *alkênnow* alkene, olefin

alotrôp *m* *alotrôpow* isotope

amînotrenken *f* *amînotrenkednow* amino-acid

An Tâbel Peryodek *m* The Periodic Table

anassoyladow *adj* insoluble

ankemyskadow *adj* immiscible

anorgenek *adj* inorganic

arwedhen gemegyl *f* *arwedhednow kemegyl* chemical symbol

assay lytmùs *m* *assayes* litmus test

assoylyas *m* *assoylyasow* solution

assoylyor *m* *assoylyoryon* solvent

assoyladow *adj* soluble

bas *m* *basow* base

basek *adj* basic

catalyth *m* *catalydhyon* catalyst

colm *m* *colmow* bond

colm dobyl *m* *colmow* double bond

colm tryflek *m* *colmow* triple bond

colm udneyk *m* *colmow* single bond

crystal *m* *crystalow* crystal

crystalegy *v* crystallize

dasoberus *adj* reactive

dasoberuster *m* reactivity

dasoberyans *m* *dasoberyansow* reaction

dasoberyans gorthry || *m* *dasoberyansow* substitution reaction

dasoberyans gorthtrailadow || *m* *dasoberyansow* reversible reaction

dasoberyth *m* *dasoberydhyon* reagent

dowr a grystalegyans *phr* water of crystallization

dydhowr *adj* anhydrous

dydhowra *v* dehydrate

dysplewyans *m* diffusion

dystyllyans fracsyonek *m* fractional distillation

electrolît *m* *electrolîtow* electrolyte

electron talvos *m* *electronow* valence electron

electrotalvosek || *adj* electrovalent

element treusyansek *m* *elementys* transition element

elven wordanow *f* *elvednow* *gordanow* trace element

emolsyon *m* emulsion

endothermek || *adj* endothermic
ensîm *m* *ensîmow* enzyme
ester *m* *esterow* ester
ether *m* *etherow* ether
ewony *v* effervesce
ewonyans *m* effervescence
exothermek || *adj* exothermic
fôtosynthesîsa || *m* photosynthesize
fôtosynthesys || *m* photosynthesis
glûth *m* condensate
glûthya *v* condense
glûthyans *m* condensation
godhas *m* *godhojyon* precipitate
godhojy (*codha* in *godhas*) *v* precipitate
godhojyans *m* precipitation
gorlanwans *m* saturation
gorlenwel *v* saturate
gossena *v* rust
group gwythresek *m* *groupys* functional group
gwascas osmôtek *m* osmotic pressure
hevuf *adj* volatile
hevufter *m* volatility
hydrât *m* *hydrâtow* hydrate
hydrolîsans *m* hydrolysis
hyly *m* saline solution
îsomer *m* *îsomerow* isomer
kemygyl *adj* chemical
kemyk fysygyl *f* physical chemistry
kemyskadow *adj* miscible

kesstoff *m kesstoffow* compound
kestalvosek *adj* covalent
ketôn *m ketônow* ketone
kromatografieth *f* chromatography
lygand *m lygandow* ligand
menegor *m menegoryon* indicator
molecûl *m molecûlow* molecule
molecûlek *adj* molecular
osmotek *adj* osmotic
osmôsys *m* osmosis
oxydîsa *v* oxidize
oxydîsor *m oxydîsoryon* oxidizing agent
oyl essencyal *m* essential oil
pH *abbr* pH
polymer *m polymerow* polymer
polymerîsans *m* polymerization
purva *f purvaow* refinery
radycal *m radycalys* radical
radycal frank *m radycalys* free radical
redox *m* redox
redûcya *v* reduce
redûcyor *m redûcyoryon* reducing agent
redûcyson *m* reduction
stât oxydacyon *m stâtys* oxidation state
stoykyometrek *adj* stoichiometric
synthesîsa *m* synthesize
talvos *m* valence, valency
tanow'he (dowrhe) *v* dilute
tewder *m* concentration

tew'he *v* concentrate

tîtrâtyans *m* titration

troyll dhobyl *f* double helix

tyntour *m* *tyntours* tincture

14-C LAND, RIVERS

awan yêy *f* *awenow* glacier

bës calgh *m* *besias* stalagtite

bût *m* *bùttys* butte

calghbost || *m* *calghbostow* || stalagmite

cappa yêy *m* *cappys* ice cap

carst *m* karst

cavarn *m* grotto

casek ergh *f* snowball (large) *Note phrase* tevy kepar ha casek ergh = snowball *verb*

codna tir *m* *conaow* isthmus

coodh carygy *m* rockfall

coos ergh *m* *cosow* taiga

cosow gwyls *pl* backwoods

crandir || *m* scrubland

dasqwylsegy *v* rewild

dorgrig || *m* *dorgrigow* || crevasse (in mountainside)

fogô (gogô, ogô) *f* *fogevyow* cave

fowus *adj* cavernous

gwastattir *m* plateau; steppe(s)

gwastattir rew *m* tundra

gwerva *f* *gervaow* oasis

gwry glow *m* *gwriow* coal seam

gwylcos *m* *gwylcosow* jungle

keyn dewdhowr *m* *keynow* watershed

keynans || *m* *keynansow* || canyon

keyndir || (keynwlas ||) *m* hinterland
leswastattir || *m* peneplain
maryan *m* *maryanow* moraine
massîf *m* *massîfow* massif
mêsa *m* *mêsas* mesa
meurbras || *m* *meurbrasow* || prairie
panelva howlek *v* *panelvaow* solar panel farm
pollen troyllya *f* *polednow* eddy
strastir || *m* *strastiryow* || polder
tirslynk || *m* *tirslynkyow* || landslide, landslip
tobmen ergh *f* *tomednow* snowdrift
towarghtir || *m* peatland
towarhek *f* *towarhegow* peat bog
trobmliv || *m* *tromlîvyow* flash flood
yêygrig || *m* *yêygrigow* || crevasse (in glacier etc)

14-D SEA

arvorek *adj* coastal
astell yêy *f* *estyll* ice shelf
bank *m* *bancow* sandbank
barr-rif || *m* barrier reef
basla *m* *basleow* shoal (shallow)
bejeth an mor *phr* surface
casgyg gwydn *pl* white horses (waves)
corn dower *m* *kern* creek
cudhfros || *m* *cudhfrosow* || undercurrent (incl figuratively), undertow
culvor || *m* narrows, strait(s)
Fros an Morbleg || *m* The Gulf Stream
gorlanwes *m* spring tide
gwely an mor *phr* seabed

gwylar (coral) *m* coral

kelghenys || *f* *kelghenesow* || atoll

kellyn oyl *m* oil spill / slick

keynvor *m* deep sea, main, ocean

lagoun (morlyn ||) *m* *lagouns* lagoon

level an mor *phr* sea level

lonklyn || *f* *lonklydnaw* || whirlpool; vortex (incl figuratively)

marvor *m* neap-tide

meneth rew *m* *menydhyow* iceberg

mordan || *m* phosphorescence

mordon || *f* *mordodnow* || billow, ocean wave

mordros || *m* surf (sound)

morek *adj* marine, maritime

morrew || *m* floe

nywlen *f* *nywlednow* fog bank

ôceanyk *adj* oceanic

packrew || *m* pack-ice

rif *m* *rîfyow* reef

tednyk *f* *tenygow* wavelet

todnek *adj* choppy

troyll dhowr *f* *troyllyow* waterspout

tsùnamy *m* *tsùnamiow* tsunami

14-E SKY, WEATHER

airedhieth *f* climatology

airedhyth *m* *airedhydhyon* climatologist

altôcomol || *col* altocumulus [clouds]

altôstratùs || *m* altostratus [clouds]

An Ardar (An Aradar, Carr Arthùr) *m* The Plough, Charles's Wain

An Fordh Lethwydn || (Fordh Sèn Jamys) *f* The Milky Way

An Jetliv || (Styfliv ||) *m* The Jetstream
An Ors Bian *m* The Little Bear (Ursa Minor)
An Ors Brâs *m* The Great Bear (Ursa Major)
An Steren Wesper *f* The Evening Star (Venus)
An Try Mytern (Lath Maria) *m* Orion's Belt
anterth *m* zenith
Borlowen *f* The Morning Star (Venus)
celestyal *adj* celestial
chaunjyans aireth *m* climate change
comol *col comolen* cumulus [clouds]
comolocyrriùs || *m* cumulocirrus [clouds]
comolonymbùs || *m* cumulonimbus [clouds]
coodh dor (sedhas) *m* subsidence
coodh ergh *m* snowfall
corwyns || *m* *corwynsow* || tornado
cowas gwyns *f* *cowosow* gust, squall
cowas keser *f* *cowosow* hailstorm
cowas nywl *f* *cowosow* [thick] fog
cowas ster codha *f* *cowosow* meteor shower
cowldhyfyk || *m* total eclipse
cyrrocomol || *col* cirrocumulus [clouds]
cyrrostratùs || *m* cirrostratus [clouds]
cyrriùs *m* cirrus [clouds], mare's tails
declînyans *m* declination
dowrgoodh || *m* precipitation
dyfyk howl *m* [solar] eclipse
dyllans gass gwederjy || *m* greenhouse gas emission(s)
eskynans (eskynyans) **kewar** *m* right ascension
Fakel an Grows *phr* the Southern Lights, the Aurora Australis

Fakel an Ors *phr* the Northern Lights, the Aurora Borealis
front tobm *m frontys* warm front
front yêyn *m frontys* cold front
glebergh || *m* sleet
golow an jëdh *phr* daylight
gorthkelghwyns || *m gorthkelghwynsow* || anticyclone
gorwer *m* cloud cover
grugys gwascas isel *phr* area of low pressure
grugys gwascas uhel *phr* area of high pressure
gwarnyans kewar ahas *m gwarnyansow* severe weather warning
gwascas an airgelgh *phr* atmospheric pressure
gwyns clor *m gwynsow* [gentle] breeze
hager-gowas || *f hager-gowosow* || cloudburst, downpour
hâv Amereyndek || *m* Indian summer
hedro *adj* changeable
herdhwyns || *m herdhwynsow* || hurricane
howldrevel || *m* sunrise
hynon *f* fine weather
hynony *v* brighten up
inter (ter) an dhew wolow *phr* at dusk
îsobar || *m îsobarow* || isobar
Jÿbyter *m* Jupiter
kelghwyns || *m kelghwynsow* || cyclone
kelghwynsek || *adj* cyclonic
Kensa Poynt an Hordh *phr* the First Point of Aries
kil an loor *phr* last quarter of the moon
loor an drevas *phr* harvest moon
loor gernek *f* crescent moon
loor las *f* blue moon

loor leun (leunloor ||) *f* full moon
loor nowyth *f* new moon; first quarter of the moon
loor vrâs *f* supermoon
loorgan || *m* moonlight
loorwolowys || *adj* moonlit
loosrew || (glyt, kenlyst mon) *m* hoar frost
luhes cabm *col* *luhesen* forked lightning
monsoun *m* *monsouns* monsoon
musurel glaw *f* *musurellow* rain gauge
musurel wyns *f* *musurellow* anemometer
nybostratùs *m* nimbostratus [clouds]
nybùs (cloudys glaw) *m* nimbus [clouds]
nywldardh || *m* cloudburst
nywlek *adj* misty; hazy (incl figuratively)
nywlek tew *phr* foggy
nywlen rew *f* freezing fog
nywlglaw || *m* drizzle
ragwolok wàr an awel *phr* weather forecast
ragwolok wàr an awel bell *phr* long-range weather forecast
randhyfyk *m* partial eclipse
seher *m* drought
spanell (spavnell) **howlek** *f* *spanellow* sunny spell
sterbarra || *m* *sterbarrys* constellation
steredny *v* twinkle
Steren an North *f* The Pole Star
steren codha *f* *sterednow* meteor, shooting star
stergan *m* starlight
stratocomol || *col* stratocumulus [clouds]
stratocyrrùs || *m* stratocirrus [clouds]

stratùs *m* stratus [clouds]

tan nos *m* will-o'-the-wisp, jack-o'-lantern

tan takyl *m* St Elmo's fire

taredna *v* thunder

teweth ergh *m* snowstorm, blizzard

todn wres *f* *todnow gweres* heatwave

worth golow nos *phr* under cover of darkness

zêrô elyn *m* net zero

14-F OUR PLANET

ascris *m* *ascrîsyow* aftershock

brâstirek || *adj* continental

carrek danek *f* *carygy tanek* igneous rock

carrek dhyfelebys *f* *carygy dyfelebys* metamorphic rock

carrek wely *f* *carygy gwely* bedrock

carrek wodhojek *f* *carygy godhojek* sedimentary rock

colonen avàn *f* outer core

colonen awoles *f* inner core

doregor *m* *doregoryon* geologist

dororieth *f* geology

dorgrîsek || *adj* seismic (incl figuratively)

ecologieth *f* ecology

ecologyl *adj* ecological

ecologyth *m* *ecologydhyon* ecologist

ecosystem || *m* *ecosystemow* || ecosystem

exosfêr *m* exosphere

fowt *m* *fowtow* fault

hanter-pel || *f* *hanter-pelyow* || hemisphere

inter (ter) an trovadnow *phr* in the tropics

ionosfêr *m* ionosphere

lava *m* lava

magma *m* magma

magnetosfêr *m* magnetosphere

men cowas *m meyn* meteorite

nerth nowedhadow *m* renewable energy

omgelhek *adj* environmental

ôzônosfer *m* ozone layer

pel an nor *phr* the globe

plât tectonek *m plâtyow* tectonic plate

pluven mantel *f pluvednow* mantle plume

tectonek *adj* tectonic

tectonyk *m & f* [plate] tectonics

trovan (trova) *f trovadnow* tropic

tropek (trovadnek) *adj* tropical

torrva *f torroaow* rift

troposfêr *m* troposphere

zêrôegy gorgok carbon *phr* reduce carbon emissions to zero

14-G OUTER SPACE, COSMOS

An Cloud Magellan Bian *m* The Small Magellanic Cloud

An Cloud Magellan Brâs *m* The Large Magellanic Cloud

An Cloud Oort *m* The Oort Cloud

an dysk scattrys *m* the scattered disc

An Gevreth Howlek *f* The Solar System

An Grugys Kuiper *m* The Kuiper Belt

an gwyns howlek *m* the solar wind

an hêlyosfêr *m* the heliosphere

an main interstêrek *m* the interstellar medium

an pedngevres *|| m* the main sequence

an Tednor Brâs *m* the Great Attractor

aneghlecter *m* eccentricity (of orbit)
bodny *m bonies* cluster
bodny ôpyn *m bonies* open cluster
bothan cres *m bothadnow* central bulge (of galaxy)
bregh droyllek *f brehow troyllek* spiral arm (of galaxy)
centaur *m centraurs* centaur
comet (steren lesky) *m comettys* comet
coodhva *f* collapse
corrblanet || *m corrbланettys* || minor / dwarf planet
cosmologieth *f* cosmology
cosmologyth *m cosmologydhyon* cosmologist
cosmos *m* cosmos
cowr gass *m kewry* gas giant
cowr rew *m kewy* ice giant
crenvodny || *m crenvonies* || globular cluster
dewynyans an gilva gorrdodnek || **gosmyk** *phr* the cosmic microwave background radiation
dydorrva spâss ha termyn *phr* space-time continuum
dysk kenplanetek || *m dyscow* proto-planetary disc
entardha *v* implode
exoplanet || *m exoplanettys* || exoplanet
galeth dhewgeyne *f galethow dewgeyne* lenticular galaxy
galeth hirgelhek *f galethow* elliptical galaxy
galeth troyllek *f galethow* spiral galaxy
galeth troyllek gans barr *phr* barred spiral galaxy
galethek *adj* galactic
golowgelgh || *m golowgelhow* || halo
gorvodny *m gorvonies* supercluster
gorwel wharvedhyans *m* event horizon
gwacter cosmyk *m gwacterow* cosmic void

gwedrygyans dyskerhek *m* gravitational lensing
howlspot || *m* *howlspottys* || sunspot
jàg an dewedhans *phr* the termination shock
jàg an pedn arâg *phr* bow shock
lêsans termyn *m* time dilation
liesvÿs || *m* multiverse
metolecter *m* metallicity
mirjy *m* *mirjiow* observatory
momentùm elydnec *m* angular momentum
neujen gosmyk *f* *neujednow* *cosmyk* cosmic filament
nywlen *f* *nyelednow* nebula
parallax *m* parallax
park dyskerhek *m* *parcow* gravitational field
planet atla *m* *planettys* rogue planet
planetek *adj* planetary
planetten *f* *planetednow* asteroid
planetygen *f* *planetygednow* planetesimal
polseren *f* *polserednow* pulsar
qwaseren *f* *qwaserednow* quasar
rudhyans *m* red shift
seren newtron *f* *serednow* neutron star
splander absolût *m* absolute magnitude
splander omdhyswedhyanse *m* apparent magnitude
sterek *adj* stellar
steren dhewek *f* *sterednow* *dewek* binary star
steren jaunjus *f* *sterednow* *chaunjus* variable star
toll du *m* *tell* black hole
toll du a'n dalathfos *phr* primordial black hole
toll prëv *m* *tell* wormhole

ughnova || *m & f* *ughnovaow* || supernova

whêlva hirgelhek *f* elliptical orbit

whethfyans cosmyk *m* cosmic inflation

14-H MISCELLANEOUS VOCABULARY

clehy *m* icicle(s)

dryppyn *m* *drypydnow* droplet

glawen *f* *glawednow* raindrop

godhas *m* sediment

gwrîhony *v* spark

lis lenky *m* quickmud; quagmire (incl figuratively)

myrocasm || *m* *myrocasmow* || microcosm

pluv ergh *col* *pluven* snowflakes

tedhergh || (*lîsergh* ||) *m* slush

treth lenky *m* quicksand

whyflyn (*whylfyn*) *adj* roaring (of fire or wind)