Notes while adding derivations to BCI-AV:

Some numbers:

I currently find **1143** entries labelled as "**Characters**" (minus 10 recently removed indicators)
Some **85** of these are international characters (punctuation, numbers, letters)

This should leave around **1058 "real" Bliss-characters** (again minus 10)
Of these **36** (minus 10) are labelled as **indicators** (Character (indicator) – 21 (minus 10), or Character (superimposed – indicator) – 15)
693 are labelled as "Character (superimposed …)" - and 154 of these include pointers
28 as "Character (sequenced ...", and 14 as "Character (superimposed - sequenced…)"
10 as "Character (modified)" plus an additional 77 as "Character (… modified)".

In total 731 + 36 = **767 "compound" or "derived" Bliss-characters** (all indicators included)

This should leave 1058 – 767 = **291 "basic" Bliss-characters**, from which all the other compound characters are built. This needs to be investigated more. It depends a bit on how different modifications of the basic characters (in size and position) are viewed etc.

In this document I have identified a few more missing characters (see below), and compared to Michael's draft character list there are a few more still missing here, primarily some structural element characters without clear semantic definition and function.

The rest, i.e., 5835 – 1143 = **4692 should be multi-letter Bliss-words**

In the vocabulary:
137 entries are labelled as "SUPERSEDED SYNONYM" (marked as _(OLD)),
127 are labelled as "Preferred NEW SYNONYM"
(145 "replacing"?) (128 "SYNONYM See"?) (number mismatches to be checked – at least partly explained by the 21 new weekday synonyms (3 not containing "replacing!!)
150 entries are labelled as "SYMBOL SYNONYM", which should then be 75 synonym pairs. The two schemes of BCI and C.K.Bliss for representing colour and seasons are among these, and 44 pairs of synonyms with gloss names ending with _(1) and _(2). Some of the remaining SYMBOL SYNONYM labels are questionable and need revision.
This means that the **vocabulary covers some 5400 - 5500 unique concepts** (plus the 36 indicators, the 85 international characters, the around 210 additional symbol synonyms of different kinds, and some characters included for technical/lexicographic reasons).

Summaries of more major issues (most of these handled (Oct. 2017):

In this document I have commented 5 Bliss-words as "incorrect", and around 20 as "questionable", all in my humble opinion of course – see below ;-). Some 11 characters are still missing as separate entries in the lexicon, and a few other general issues.
The rest of this document is about other observations, generally leading to minor suggested amendments or adjustments.

Bliss-words judged as "incorrect":

sexual_arousal,sexual_excitement 16929 is incorrectly **ecstasy** 14120 + **gender,sex** 14428 (one intensity too much). Should be (**excitement** (23869) + gender,sex)
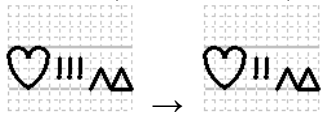
light_year 22634 - (year + light) is an incorrectly defined Bliss-word, missing the essential meaning of this concept of distance measurement. It should be (distance + light + year), possibly contracted to (measurement,measure + light + year).
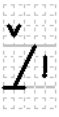

, or possibly →
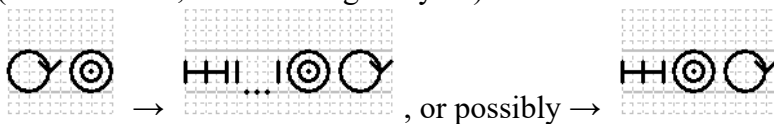
foundation_(building) 23089 - incorrect drawing, remove cellar!
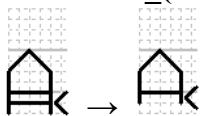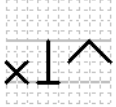

depending_on 24081 - This bliss-word seems to be **incorrectly defined and/or glossed!?** I don't find any derivation in the Düsseldorf list where it belongs in terms of BCI-AV numbering. The derivation should be: (help,aid,assistance,support + description indicator). But how could this be "depending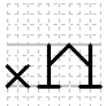 on"? It should rather be (a subset of): "helping,helpful,aiding,assisting,assistive,supporting,supportive". **Regloss 24081**? And "depending_(on)"

could rather be added to the already existing **dependent** 24637 which is (need + intensity) and (need + intensity + description indicator). Update gloss of 24637 to **dependent,dependant,depending_(on)** 24637?

Bliss-words judged as "questionable":

police_force,police 14146 (group + protection: group of caring people) and
police_officer,policeman,policewoman 16217 **Note**: These are **questionable and unacceptable Bliss-word definitions** - mixes up family and parent with police, and misses out the fundamental element of

force and law in police. **Must be changed!** Compare:

police force,   police officer,   and   parent,family (group home)

scenery,landscape 16731 (generalization + countryside: general term for the countryside, which is

characteristic of a particular area or region, e.g. a prairie landscape) – this is a questionable definition. I would argue that countryside,country is a very general concept in itself, while scenery,landscape is a specific part of country with specific characteristics, hardly a generalisation of countryside,country? The WN definition is: (an expanse of scenery that can be seen in a single view). Should be reconsidered.

supernatural-(noun) 21036 – is a questionable Bliss-character-word, with a questionable derivation: (nature + mind, at a higher level of consciousness)! - Character (superimposed)
I would argue that thinking in terms of the supernatural is generally reverting to a lower level of consciousness. But is "the supernatural" at all about consciousness? Isn't it just a phenomenon that is claimed to be outside of natural explanations and experiences? The WordNet definition is: "1. (2) supernatural, occult -- (supernatural forces and events and beings collectively; "She doesn't believe in the supernatural")" - which is not either very precise.
I have made a preliminary change of the derivation to:
(nature + mind [modification, at a higher position]: claimed to be experienced at a higher level of consciousness) - Character (superimposed – modified)

people,tribe,clan,folk 21609 (group + view of life: group of people who share a common culture) - The Bliss-word definition of "people" is really a quite problematic one. To claim that a "people" - or most larger groups of individuals - can in general be claimed to share a common "view of life" or "attitude" in the world of today, well, that is rather questionable, isn't it? Perhaps it should be reconsidered? But again, perhaps not, as "view of life" here is a contraction of "culture", which makes it more reasonable.

astrology 22636 - is in the Supplement and AV defined as: "(knowledge + star + person: knowledge of stars as they relate to human beings)" !? I must protest to this Bliss-word and definition as it's spreading of superstitious belief under the label of knowledge via Bliss!! I suggest that it must be changed to (belief + star + person) ASAP.

astrologer,astrologist 22901 - same as previous. Change ASAP!!

hurry,rush 24166, **hurry,rush-(to)** 24167, and **hurry_(in_a),hurried,rushed** 24168: All these based on (time + fast), and in relation to the stress concepts 24942, 24943 and 23957, based on (without time), seem questionable. Is it really the time that is fast, or is it activity made fast (possibly a feeling of time + fast)? - and we would perhaps need a general "stress" concept not only time related, perhaps (feeling + pressure)?

salvation_(religious) 24253 (liberation + religious) - Very biased and questionable definition; for a non-religious person it could just as well have been (capture + religious). WN Definition: ((Christianity) the act of delivering from sin or saving from evil)
Suggestion: Redefine this Bliss-word based on the WN definition.

slow,slowly 24268 (forward + negative + description indicator) - This is a **questionable Bliss-word**: (forward + negative) could be "backwards" !? (**slow,slowly_(OLD)** 17014 (opposite to + fast) is actually better!) Could instead be defined as (forward + little)?

allergy,hypersensitivity 24407 (reaction + body) I think this is a questionable Bliss-word for this concept: It should rather be (reaction + body + negative), which is of course very long and would need contraction. But most reactions from the body are motivated and healthy responses to injury or infection, right?

lunar_eclipse 24690 (moon + behind + earth) - This is a strangely defined Bliss-word: Behind - from what perspective? Well, from the perspective of the sun, but who has seen a lunar eclipse from that perspective? It is hard to explain and understand, and inconsistent with **solar_eclipse** 24755 - (sun + behind + moon), which makes sense from an earthly perspective. The perspective problem is difficult to handle. I would suggest considering a re-definition of both these in a perspective neutral manner, e.g. (earth + shadow [contraction: minus + light] + moon: the earth being in the shadow of the moon) for solar eclipse, and;

(moon + shadow [contraction: minus + light] + earth: the moon being in the shadow of the earth) for lunar eclipse ?

disgust 24885 (hate + intensity) – Note: It has previously been noticed that this is a quite questionable Bliss-word definition. Is really disgust a more intense feeling in relation to hate?! Should be reconsidered! (See also: **hate-(to)** 23883 and **hate,hatred** 24908)

beggar 25019 (person + ask + living [modified]) – In my view this is a strange and questionable Bliss-word and derivation. The current derivation should rather be ((person + ask + existence,being_(2)), but then it is still weird: A beggar is not asking for existence in itself, but rather for money or other things helping to sustain existence, isn't he/she? If so, (person + ask + financial_support) would be more accurate, or why not just (person + ask + money)?

invitation_(general_spoken) 25093 and **invitation_(general_written)** 25094 both a based on (… + feeling + together). But this is **fidelity,loyalty,solidarity** 14172. These are strange Bliss-words: How can (say/paper + fidelity,loyalty,solidarity) be "invitation"? Do we need this, when we also have **invitation_(spoken)** 25095 (to say + welcome) and **invitation_(written)** 25096 (paper + welcome)?

Chronic_Fatigue_Syndrome 23836 (sickness + tired + intensity + intensity + intensity) - the derivation refers to **tired,exhausted,weary** 17735 (rest + to need + description after the fact indicator: feeling in need of rest)
But isn't this a strange Bliss-word? Should the classifier for tired be "rest"?! Shouldn't it be "need" ?! Tiredness is 'a need to rest', rather than 'a rest to/of need', isn't it?
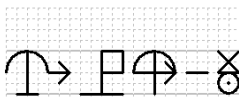
Also, check:
burned-out,burnt-out 23827 (sickness + without + energy_(mental) [contr.] + person + description indicator), and
exhausted,worn_out 23870 (feeling + without + energy_(mental) [contr.] + person + description indicator)
... why are the person specifiers needed in these two?
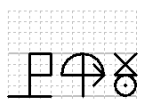
 dictatorship 25694, **dictator** 25693, - **dictatorship** is in the derivation defined as: (country + decide + without + choice), BUT as Bliss-word it contains the character **permission,allowance** 24926 rather than **decision** 13649.
So **these two Bliss-words are not composed in accordance to the derivation** – what is wrong, the derivation, or the Bliss-word composition, or both?
We can look at the related **democracy** 24080 (country + to permit + choice), a country which allows choice,selection,election. This makes sense. So the derivation of **dictatorship** 25694 should either be changed to (country + allow + no + choice,selection,election), or the definition and composition should be changed to (country without democracy) – if we add the general concept **democracy** as (permission,allowance + choice,selection,election) and update the gloss of **democracy** 24080 → **democracy_(state)** 24080? This latter would in summary lead to:

 democracy_(state) 24080 (country,state + democracy), built from added:
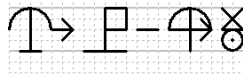
democracy

Updated **dictatorship_(state)** 25694 (country,state + dictatorship), built from added

 dictatorship, and also updated **dictator** 25693

More missing characters:

calculate-(to) 13107 – (to think + digits_(computer) + action indicator: to think using numbers) and **calculator** 13108 contain a **missing character** (mind + digits_(computer)), which could be called **calculation_(mathematical, in mind)** ?

NO! This character already exists as digital_processing,artificial_intelligence,AI 23475. But is this rally a good Bliss-word for AI and digital processing? Questionable!

Another missing character - **apostrophe** (?): **minute** 15475 is defined as:
(time + apostrophe, used in astronomy to indicate a minute)
second_(time) 16743 is defined as: (time + two apostrophes, used in astronomy to indicate a second) –
But we have no "apostrophe" AFAIK!

And oops, we also have **hour,o'clock** 14904, defined as (time + degree, to indicate an hour), but I cannot find "degree", i.e. a quarter sized circle up under skyline!

pointer_(arrowhead) and **pointer_(small_arrowhead)**? Is it enough with one of each, or should we have one for each direction (which would in principle be 8 for each: N, E, S, W, NE, SE, SW, NW)?

"**house_with_yard_and_fence**" without pointer, used in **yard** 18287 and **fence,wall** 14167

"**building_with_attic**" used in **attic** 23026 - new base character needed !

"**building_with_cellar**" used in **basement,cellar** 23029 - new base character needed !

"**building_with_storey**" used in **floor,storey,level,etage** 23085 - new base character needed !

"**building_with_foundation**" will be used in corrected version of **foundation_(building)** 23089 - incorrect drawing, **remove cellar**!
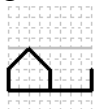
building_with_yard_and_fence, building_with_attic, building_with_cellar, building_with_storey, building_with_foundation
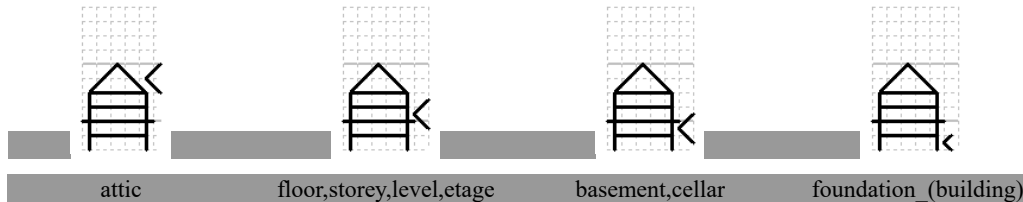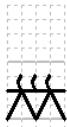

building_with_chimney , used with pointer in **chimney** 13168

What about creating one new character for all **building_parts**: ⌂ ?
This would allow us to create the following alternative Bliss-words for all but one of these mentioned above:

attic	floor,storey,level,etage	basement,cellar	foundation_(building)

furred_animal 　 used in 　 **fur,coat_(animal),hair_(animal)** 14415 - new base character needed !

Do we need to have the "**slash (slanted line)**" as a **separate Bliss-character**?
Used in **half,one-half** 24906 (one_(digit),1 [modification, higher position] + slash (slanted line) + two_(digit),2: a common way to write 1/2) - Character (superimposed – modified) Also in **quarter,one_quarter** 24932 and **percent,percentage,%** 8484, and could be used for adding third,one_third, and possibly more fraction numbers.

Do we need a **character** for the "**three connecting dots**" in all characters with an empty full horizontal space?

Some general issues:

Pointers in the derivations:

Strictly speaking, the derivations are ambiguous as

a) the BRG entry: pointer (arrowhead, which points to a detail in a symbol, or to a particular location) seems to be missing from BCI-AV

b) there is another **pointer** 23619 (a forward pointing hand), and

c) there is also a small pointer (arrowhead) used in atoms etc.

d) Furthermore, the "**arrowhead**" is sometimes called this, but usually "**pointer**". Is the rule here that it is the function as pointer (with a half quarter space to what's pointed to) that decides what to call it?

e) When there is no space at all, as in **until,till,to** 17982 and **on** 15918, the derivations use the two terms inconsistently.

Can we clarify the terminology?

Should we update **pointer** 23619 → **pointer_(hand)** 23619 ?

... and add entries for pointer_(arrowhead) and pointer_(small_arrowhead) (see above).

When should a Blissymbol be regarded as a sequenced character or a multi-letter Bliss-word :

approach 12407 (forward + reference line: advancing arrow approaches the line but does not reach it) – this is regarded as a Bliss-word with two characters, right? But **to,toward,towards** 17739 (arrowhead + reference line [half-sized]: the arrowhead approaches the reference line. This symbol is a simplified form of approach.) - **Character** (sequenced) – is regarded as a character (sequenced). **But why**? I find no really clear reason and explanation for this, as we have a quarter space between the elements (I call this a "sequenced character"). The same goes for **from** 14403 (reference line [half-sized] + arrowhead: the arrowhead departs from the reference line. This symbol is a simplified form of departure.) - **Character** (sequenced)
Another example:

ability 12322 (dot + evaluation:...) - is this a character (sequenced) or a two character Bliss-word? This question is also relevant for many other "dot"-Bliss-characters/words.

ability_(half_sized) 25520 (used in **can,be_able-(to)** 13114) is regarded as a sequenced character – here and in Michaels draft Unicode character tables. A clear rationale is needed, please!

A general issue of principle regarding "semantic" and "non-semantic" characters:
linear_thing_(horizontal),bar 24180, **triangle** 17776 (and all other triangle concepts), **circle** 13347, and probably several others:
The "horizontal line" in the definition of **linear_thing_(horizontal),bar** 24180 is the same as the character **subtraction,loss** 17449, and the "triangular shape" in the definition of **triangle** 17776 (etc) is the same as the character **creation,nature** 13607, and the circle in the circle shape is the same as that in **sun** 17462. This means that the definition of **linear_thing_(horizontal),bar** 24180, (horizontal line + thing indicator), is unsatisfactory; there is no such "horizontal line" in the lexicon, there is just "subtraction,loss" looking like this, which means that 24180 could be interpreted as a "concrete subtraction", which is weird, and the shapes can be interpreted respectively as "the shape of creation" (which is also rather weird), and "the shape of the sun" (which is not so weird, but it is not used in the derivation).
It would seem preferable if this kind of double meanings of rather basic characters could be avoided, or at least handled in a systematic way. Is it possible, and if so how?

<mark>Another example of a somewhat unfortunate double meaning of a character is **activity,male_gender_(in_combinations)** 12335 (pointed at as confusing by a non-BCI person in a Google+ Blissymbolics group)</mark>

This also relates to:
chest_of_drawers,bureau,dresser 13162 – the preliminary derivation reads: (pictograph) - **Character**
Note: **missing character**, we should have "**rectangular shape (horizontal)**" - also used in **rectangle,oblong** 16472, **rectangular,oblong** 16473, and several other characters. **BUT** we actually have this character as **card** 23431 (pictograph: horizontally oriented rectangle representing a lying card) - **Character**
How shall we handle this? Can we refer to this "card" character also in the non-card concepts such as chest of drawers and rectangle,oblong? Should we add rectangle,obong to the gloss of **card** 23431 (i.e, **card,rectangle,obong** 23431), and rename **rectangle,oblong** 16472 to **rectangle,oblong_(shape)** 16472 in consistency with other shape Biss-words?

… and also:
bar_mitzvah_(Hebrew) 21112 and **bat_mitzvah_(Hebrew)** 21111 seem to be drawn incorrectly -

pointers from the left and at incorrect distance from target. Correct ?! **No, these are not pointers but "of" with kerning** - tricky to distinguish :-/ !

Mats L. 2015-08-27

Other notes:

bee 12651 (fly + flower) - shouldn't the gloss "hoverfly,flower_fly" be added?

beet 12654 (vegetable (large-leafed) + red: vegetable with a red, edible root) – gloss should be amended to **beet,beetroot** 12654 !

beetle 12655 (insect + pictograph of wing cases [hard shell]) and **turtle,tortoise** 17959 (animal + pictograph of head and protective shell) both contain the same pictograph of a "**hard/protective shell**". Should this be added as a character?

birth_(reproduction) 12842 and **birth** 12843 are marked as SYMBOL SYNONYMs, but are they? They are not glossed as such with _(1) and _(2).
12842 is about the concrete delivery aspect. Could be reglossed to:
birth,giving_birth,birthing,parturition,delivery 12842
12843 is "birth" in general

blissymbol 12857 – update gloss to **blissymbol,Bliss-word** 12857 ?

blissymbol_part 12858 – update gloss to **Bliss-character,blissymbol_part** 12858 ?

Note: uppercase or lowercase in the gloss of the two above?

chimney 13168 (house + pictograph, of chimney + pointer, to chimney) - **Character** (superimposed – pointer) – but do we need a **character** for "**house_with_chimney**"?

cold_(opposite_hot) 13376 – we have an inconsistency in gloss labelling between the languages: This is labelled as (OLD) in most other languages, but not in the English original. Should this be regarded a parallel synonym, or an old and superseded one?

indicator_(combine) 13382 - This gloss should be reconsidered as this is not really an indicator to be placed on top of other characters

development 13667 (change + forward: change through progression)   - **Character** (superimposed)
Note: This character "development" (and the Bliss-words containing it) could be updated with half-length arrow - as in "leadership"?

die-(to) 13672 (death + action indicator) **Note:** missing gloss in current BCI-AV compared to BRG, should be updated to: **die,pass_away,perish-(to)** 13672 !?

female_(gender) 14166 (woman [modified], and also creation [half sized]: this form of woman is used only in compound symbols to specify gender or sex) - **Character**
Should the gloss be updated to **creation_(half-sized),female_gender_(in combinations)** in consistency with **activity,male_gender_(in_combinations)** 12335 ?
creation (half-sized) is appearing also in **uterus,womb** 17994, and possibly other characters and words.

improve-(to) 14931   - verb form with correct (mind)

- add intellectual noun form
improvement 24856   - noun form with feeling
- add emotional verb form
This is inconsistent, and should be clarified and complemented

joke-(to) 14974   - missing noun form – add !?

labour 15165 - should be specified: **labour,labor_(childbirth)**
Should **labour,labor,toil** (working + intensity) be added ?

mosquito 15660 is in the BRG derivation defined as:
"(insect + to fly + to puncture: flying insect that punctures the skin)", but in reality it is:
(fly + to puncture) (or rather "point,tip,peak"). This proposes that these Bliss-words should have a broader representation:
fly 14371 -> **fly,flying_insect** ... and
mosquito 15660 -> **mosquito,gadfly,horsefly,cleg,clegg**

movie,film 15669 -> we got a question about this and some other related media concepts
(i.e. **photograph,photo,pic** 16169) highlighting that some of them are outdated in their reference to old media carriers - update needed!

out,exterior,external,outside 15942 (enclosure + dot, outside the enclosure) - **Character** (sequenced) (?)
- Shall this be regarded as a **character or not?**

in connection to: **abuse,assault,violence** 12327 (force + intensity), **forced,compelled,obliged** 14383,
must,have_to,be_forced_to-(to) 15685 and **must_(a)** 22914
We are lacking "force (to), compel (to) (mind + strong [modified] + action indicator: to use the power of the mind to make something happen)"
... as defined in BRG. We also lack the basic representation for "force" underpinning these,
which should be the same as the current "must_(a)".
Further more: **must,have_to,be_forced_to-(to)** 15685 is in the current BCI-AV supplied with an action indicator (as of the missing force,compel-(to),
while BRG defines must,have_to,be_forced_to-(to) with a passive indicator.
This has to be sorted out!!

rabies 16449 is defined as (illness + animal + to bite: illness caused by an animal bite), but it could more likely be interpreted as (illness + rodent).
Shouldn't there be a comma here between animal and teeth/bite?

We have the verb **resent-(to)** 16490, but we lack the noun "resentment,bitterness" - should be added!?

secretary 16746 (person + secret: historically, a person who keeps the boss's secrets) - isn't this a rather useless and outdated Bliss-word definition?

shalom 16936 (combination of hello and goodbye: Hebrew expression of greeting)
- This concept and derivation should be re-glossed for more general use, like:
greeting,shalom,salam_(etc)

soft 17203 - we should add the noun **softness**!

special,particular 17223 defined as (feeling + important + description indicator), but the Bliss-word is actually:
(feeling + interesting +description indicator). Which alternative should it be?

staff 17246 (group + to serve: group of people working to serve others)
- original gloss from BRG is "staff, service". Should we add "**service_(team)**" or equivalent?

stone_material 17266 (material + stone) - shouldn't the gloss be "**stone_(material)**" instead?

strap,string,velcro,rope,cord 17276 - We need to decide what to keep in the gloss -
after the introduction of the new Bliss-words for fiber, string and rope !

BRG **switch,handle** 17487 has been re-glossed to just **handle** 17487 with derivation (thing + hand: thing operated by the hand).
This was done to avoid confusion with the later added **switch** 23670 (tool + cause + activity).
But we have **switch-(to)** 17488, **switch_off,turn_off-(to)** 24299 and **switch_on,turn_on-(to)** 24300 built on this symbol 17487.
Should we return the word "switch" again - to "**handle,switch** 17487" to avoid confusion.

tape-recorder 17505 (machine + to reproduce + ear: machine to reproduce material for listening)
- We should update the gloss to be more general, as this is not a physical media specifically defined Bliss-word.

toilet 17747 (seat + puddle,pool: water closet, W.C.) - Character (superimposed) – I've modified the derivation for this (and several others with water in earth level position) to include puddle,pool, and amended the explanation "water closet", but I also think the gloss should be amended with these gloss words. BUT should we not add a general Bliss-word that is not based on water + chair? I think we should, as this is highly tied to socio-economic and environmental circumstances, and not relevant in many places.

crossed_racquets 25542 - This character is redundant and only used in deprecated (OLD) Bliss-words. Should it also be marked with (OLD) as three Danish waters?!

translate-(to) 17769 (bridge + language + action indicator: to form a bridge of understanding between languages)
- We should add the noun form "translation".

try,attempt-(to) 17787 - we are lacking the noun form of "**attempt,try**"

vegetable_(cylinder-shaped) 18007 - was/is incorrectly defined and glossed - should be "oval" instead of "cylinder" ... but:
oval,ellipse 15946 and **oval_shape** 23599 - and **circle** 13347 and **rectangle,oblong** 16472 - should also be re-glossed to:
oval,ellipse_(shape) 15946
oval 23599
circle_(shape) 13347
rectangle,oblong_(shape) 16472

- in congruence with **spiral,curl_(shape)** 17230, **spiral** 25616 and **square_(shape)** 17242

what,question_mark 18229 - should we update to: **what,question_mark_(small)** 18229 - for clarity in relation to **question_mark** 8485

wire,cable 18265 and **electric_wire,electric_cord,cord,cable,lead** 13921 - should be re-defined based on
thread,string,cord 25956

yard 18287 has the strange derivation: (house + enclosure [modification] + pointer: area next to a building) - Character (superimposed - modified - pointer), but I would rather interpret it as: (house + place + pictograph, of a fence: area next to a building) - Character (superimposed). I have made a **preliminary change, ok**?
(Compare: **street** 17441 (place + house: ground, next to a building, used as a public thoroughfare) - Character (superimposed))

… Note also that **fence,wall** 14167 had the derivation: (yard + pointer, to fence) - Character (superimposed – pointer), which was not correct (as the pointer in place was missing. Updated to: (yard [modification, no pointer to the ground] + pointer, to fence) - Character (superimposed – modified – pointer)
Hey! Don't we have a missing character here that should be referred to in both above, i.e., "**house_with_yard_and_fence**" without any of the two pointers? (see More Missing Characters)

grace 21040 (pointer (left) + God + pointer (right): suggesting the grace radiating from God) – The gloss should be amended to **grace,grace_of_God** 21040 ok? - as there are several other more general meanings of the word, such as (WN):
2. (4) grace, gracility -- (elegance and beauty of movement or expression)
3. (2) seemliness, grace -- (a sense of propriety and consideration for others)
4. (1) grace, good will, goodwill -- (a disposition to kindness and compassion; "the victor's grace in treating the vanquished")
Do we need to cover this is some way?

under_(ground_level) 25628 - Why not add the gloss word "under_ground" ?
 - as well as adding the adjective/adverb form "underground,below_ground" ?

rugby_ball 21807 - should we not add the, for some reason dropped, **football (North America)** to the gloss?

grace 21040 - should be updated to **grace,grace_of_God** 21040

revelry 21287 - update to **revelry,revel** 21287? (according to WN)

awful 21289 - add synonyms, e.g., dreadful, painful, terrible ?

mourn-(to) 21296 - add noun form "mourning,grief" ?!

unending 21331 - add gloss word "endless" and noun form "endlessness" ?!

interrogate-(to) 21333 add noun form "interrogation" ?!"

open 15921 - this is used to specify "wild" in combinations. Should we add this to the gloss, i.e. **open,wild_(in_combinations)**15921? But we then still lack the concept "wild" in itself, and it is perhaps not so good to use "open" by itself for this. Could "wild" be (open + intensity), and then the open in combinations would be seen as a contraction?

archeology 21554 and **archeologist** 21570 are in the Supplement lexicon spelled archaeology and archaelogist. Both spellings are correct, so we should perhaps support both, i.e. update to:
archeology,archaeology 21554 and
archeologist,archaeologist 21570?

Same with **gynecologist** 21580 -> **gynecologist,gynaecologist** 21580?

view_of_life 21607 (mind + action: how people think or act) - could we add "attitude" to gloss → **attitude,view_of_life** 21607 ? (blissword for this was requested by Louisa Alberts). See WordNet: "attitude, mental attitude -- (a complex mental state involving beliefs and feelings and values and dispositions to act in certain ways; "he had the attitude that work was fun")"

boules 21806 - the Supplement calls this **jeu de boules, boccia** add boccia (included in Swedish), i.e.: **boules,boccia** 21806

rugby_ball 21807 - the Supplement calls this **rugby ball, football (North America)** - add **football (North America)**, i.e.:
rugby_ball,football_(North_America) 21807

go_by_airplane-(to) 21834 - the Supplement calls this **go by airplane (to), fly (to)** - add "fly", i.e.:
go_by_airplane,fly-(to) 21834

multi-sport_event 21857 - the Supplement calls this **multiple sport competition**, which is a better gloss, IMO. Should we update?

sailboard 21882   - the Supplement calls this windsurf-board (surfboard?) - check the gloss!

tasteless 22353 - the Supplement calls this "not tasty, not good" - update gloss to **tasteless,not_tasty,not_good** 22353 ?

kitchen_tool,utensils 22561 - is kitchen tool, utensil in the Supplement - should be updated to **kitchen_tool,utensil** 22561

hot_tray 22593 - the Supplement calls this "hot tray, chafing dish" - update gloss to **hot_tray,chafing_dish** 22593 ?

puddle,pool 25777 - add water_(ground_level) to gloss for use in derivations of other Bliss-words and characters, i.e., **puddle,pool,water_(ground_level)** 25777 , or **puddle,pool_(water_on_ground_level)** 25777?

animal_(bovine),bovine,ovine 12379 - the gloss seems questionable for two reasons: It should include

"bovid" which seems to be the most used term for an animal of the family that includes most horned animals, while "bovine" as a noun refers only to the cattle part. The word "ovine" seems only be used as an adjective referring to sheep. I suggest a gloss update to: **animal_(bovine,ovine),bovid,bovine** 12379 ?

Nordic_God 22649 - the Supplement calls this "Nordic God(ess)" - update gloss to **Nordic_God,Nordic_Godess** 22649 ?

Midgard's_serpent 22826 - (snake + past time + north: a big snake curled around the world to keep it together) - the explanation is fine, but the Bliss-word does not indicate that this is a mythical beast of the past rather than prehistoric existing creature ?

pod 22837 - the gloss should be amended for clarity, e.g. **pod,cod,seedcase,seedpod** 22837 ?

board-(to) 23033 - complement gloss for clarity to
board,room-(to) 23033 ?

cockerel 23043 - In the Supplement we find "cockerel, rooster" - update gloss to **cockerel,rooster** 23043 ?

cod 23044 - the gloss should be amended for clarity, i.e. **cod,codfish** 23044

gasoline 14425 - update as in BRG to: **gasoline, gas, petrol** 14425 !

liquor_shop 23145 - add to **liquor_shop,liquor_store** 23145?

tax_(federal) 23231 - complement gloss to: **tax_(national,federal)** 23231

musical_note 15682 - update to **musical_note,music_(in_combinations)** 15682 ?

receiving 24727 - update to **acquiring,getting,receiving** 24727 !?

dolphin,porpoise_(etc) 13864 is used in **seal** 23657 and **sea_lion** 23655 with the derivations: (water creature with tail + fur) and (water creature with tail + to shout). This is hard to understand and find. What to do? Shall we start by updating the gloss to: **dolphin,porpoise,water_creature_with_tail_(etc)** 13864, or **dolphin,porpoise,water_mammal_(with_tail)_(etc)** 13864 ?

The derivation for **dolphin,porpoise_(etc)** 13864 has been updated from: "(pictograph: symbol also incorporates water and mind, emphasizing the animal's intelligence) - Character (superimposed)" to simply: "(water_creature + pictograph of a tail fin) - Character (superimposed)".
This is more precise, and better, as we've later used the basic part for **water_creature** 23706 and other specific water creatures that definitely don't represent the mind/intelligence aspect - like water lily, sea cucumber, sea urchin, jellyfish etc. (octopus possibly does).

puddle,pool 25777 - add to gloss to: **puddle,pool,water_(ground_level)** 25777 ? (as it is used in several characters not semantically related to a puddle,pool)

We have: **soprano** 23952, **alto** 23803, **tenor** 23966 and **bass** 23809, but why don't we have the baritone/barytone voice/pitch level? Bass is represented with a stave with a pointer to the lowest position (of 5), tenor to the second lowest, alto to the second highest, and soprano to the highest - but we have no

level pointing to the middle position of the 5. This is where tenor should point, while the baritone/barytone should be reserved for the second lowest.
Suggestion: Add **baritone,barytone** and change **tenor** 23966 as described !

lose_(fail_to_win)-(to) 23897 - shouldn't we add the noun form **loss_(competition)** (in addition to **loss** 15396, which then should be updated to **loss_(emotional)**15396.

stressed 23957 - (feeling + without + time + action) - The English gloss (in particular) is unclear and possibly even misleading. I actually don't find "stressed" used in this way in the dictionaries. I think it should be clarified to: **stressed,pressed_for_time,pushed_for_time** 23957 ?

escalator,moving_stairs 24096 (stairs + up and down)
- wouldn't it have been much more elegant with:
(stairs + ascending_and_descending) ?

Hungary 24165 - I have a memory that the Bliss-name for Hungary was questioned (by Sophia and others). Did we drop the discussion?

knot 24177, **tie,bind_together,lash-(to)** 24311 **whipping_knot** 25393, and **tie_whipping_knot-(to)** 25386 should be updated based on the new **thread,string,cord** 25956

strap,string,velcro,rope,cord 17276 - gloss should be revised - to **strap,velcro_(etc)** 17276 ?

grapes 14635 and **raisins,currants** 24231 - gloss should be updated to: **grape(s)** 14635 and **raisin(s),currant(s)** 24231 ?

swash 24298 (aid + activity + walk + thing indicator) - This gloss should since long have been updated (not found in lexicon - swash is a specific trade mark. I suggest:
walking_aid,walking_brace,walker_(etc) 24298 ? However we also have **walker** 18032 (aid + medical + walk + thing indicator) Why do we have both, when they represent the same thing? Should one be removed, or should we treat them as synonyms? And would it not be enough with just (aid + walk + thing indicator)?

wart,papilloma_(venereal) 24329 - According to my Düsseldorf list with notes, the gloss should not have been changed from the original "venereal wart". Which is best? (We also have **venereal_papilloma** 24334 - but no wart in general.)

bacterium 24411 (1 + micro-organism: single cell micro-organism), BUT in my Dundee list the order is reversed: (micro-organism + 1: single cell micro-organism). Which is most correct - did we decide to change this?

Eris_(dwarf_planet) 24440 (dwarf planet + angle)- What is the explanation for this Bliss-word definition - the angle?

microscope 24487 (tool + to look + cell) - Is this really a good definition? I think it is too specific, as microscopes are used to look at many other things. Why not use magnifier,magnifying_glass 24478 and add an intensity char.?

group 14646 (group of + person) - the gloss should be updated to **group_(people)** 14646 ... to distinguish from other meaning

exchanger 24653 (exchange + thing indicator) - What is this supposed to mean? Probably not an (WN) "exchanger, money changer -- (one whose business is to exchange the money of one country for that of another country)"!
Is it supposed to be an (WN) "adapter, adaptor -- (device that enables something to be used in a way different from that for which it was intended or makes different pieces of apparatus compatible)"? Probably.
Explain and update gloss?

reef-(to) 24728 – for clarity, update to **reef_(sail)-(to)** 24728 ?

In relation to this: We have **coral_reef** 23458, but we don't have the general concept of a reef. Could this gloss be added to **submerged_rock** 24763 to cover this concept, i.e., **submerged_rock,reef** 24763 ?

rock_music 24736 – shouldn't rock'n'roll and just rock be in the gloss – **rock_music,rock'n'roll,rock** 24736 ?

jewel 14971 – complement gloss to **jewel,gem** 14971 ?

boring,dull,depressing 24827 – As there was no derivation, I've added the following: (sadness,sorrow,unhappiness + mouth: where mouth represents to speak, dull talk), but I don't really think the Bliss-word is very good. Other things than talk can be boring. It should really be a more general? And do we need an after the fact form for ”bored”?

half,one-half 24906 (one_(digit),1 [modification, higher position] + slash (slanted line) + two_(digit),2: a common way to write 1/2) - Character (superimposed – modified) – Do we need to have the ”**slash (slanted line)**” as a **separate Bliss-character**?
Also used in **quarter,one_quarter** 24932 and **percent,percentage,%** 8484, and could be used for adding third,one_third, and possibly more fraction numbers.

alphabet,letters_(lowercase) 12366 and **alphabet,letters_(uppercase)** 25011 – are these to be regarded as spelled words/letter sequences, or superimposed characters in Bliss? (Note they don't have quarter-space separation)?

receiving 24727 (container + down) – is the base character for get,acquire,receive-(to) 14435. I would suggest that we add "acquiring, getting" to the gloss, i.e., update to: **getting,acquiring,receiving** 24727 ?

China 25029 (country + wall + long) – I remember that we discussed on a Panel meeting to change this Blissword to (country + middle). I think we should do it, as it is so established (The common Chinese name for the country is Zhōngguó (Chinese: 中国, from zhōng, "central" or "middle", and guó, "state" or "states,") !?

Portugal 25140 (country + wakefulness,alertness + new: country of discoveries (search [contr.] + new)) – but we don't have "discovery, find, uncovering" (wakefulness,alertness + new: i.e., search [contr.] + new) and "discover, find" - should be added !?

precious,treasured 25142 (value + feeling + and,also,plus,too + description indicator: value characterized by feeling of fond affection for) – We don't have (feeling + and,also,plus,too) as a concept AFAICS, while **goodness** 14456 is (feeling + positive (and,also,plus,too + intensity)).
We should need to work through the gradation of both the positive and negative feelings!

mean,cruel 15439 – we seem to lack the noun form "cruelty, cruelness, harshness, mercilessness, ruthlessness" - add?

nucleus 15741 (atom + pointer (small), to inner nucleus) - Character (superimposed - pointer (small)) – Note the small pointer here! Should this small pointer be identified as a character element (as the ordinary pointers)? All directions? Can this be used to create a unique Bliss-character for "narrow" - with small pointers from the inside and out (instead of the current unsatisfactory hybrid **thin,slim,narrow** 17716)?

electric_conductor 25288 (through + electricity + thing indicator) – I find this definition rather strange, as this should rather be a material than a thing.
In congruence with **electric_insulator,electrical_insulator** 25291
(impermeable_material,insulation_(material) + electricity), which is (material + end,arrival,stop + electricity), it should be:
electric_conductor 25288 (permeable_material + electricity), which is the same as (material + through + electricity) !?

breath 12900 – update to **breath,breathing** 12900 ?

insomnia 25329 (state of mind + without + sleep) – is insomnia really a "state of mind"? Isn't it rather (without + ability + sleep)? Reconsider ?
Then we could also **add** the general concept of **inability** as (without + ability)!

lifeline 25335 (strap,string,velcro,rope,cord + help) – mark (OLD) and add new based on **rope,hawser** 25933

navigate_airplane-(to) 25346 has the strange derivation (navigation + airplane + act. Ind) in the Oslo document. But there is no Bliss-word for "navigation" - the derivation is actually (activity + sign,signal + airplane). But this is weird, as sign,signal is used in **road_sign** 24735 and **navigational_sign** 24704 (for boats), but air navigation is hardly based on signs of this kind, is it? Can we instead build on **orienteer,read_map-(to)** 25350 ?

Btw: I suggest we update road_sign 24735 to **road_sign,traffic_signal** 24735 ?

rowdy 25365 – complement gloss to **rowdy,raucous** 25365 ?

tie_whipping_knot-(to) 25386 and **whipping_knot** 25393 should both be updated to be based on **rope,hawser** 25933, rather than **strap,string,velcro,rope,cord** 17276 !

dictator 25693 (leader + dictatorship), but dictatorship is a 4 character long (country + decide + without + choice), so dictator is a 5 character word. Is this really needed, or could it just be (leader + without + choice)?

four-leaf_clover 25881 – is defined as (clover + 4 + leaf), but we don't have "clover" in our gloss for

shamrock 16939. Update to **shamrock,clover** 16939 ?

sprout,germinate-(to) 25946 (start + growth,growing + action indicator) – should we not add the noun
sprout (start + growth,growing) ?

far,distant 26002 – I suggest we add the gloss word "remote", so updated to: **far,distant,remote** 26002 ?

gauge 23092 – I suggst we add the alternative spelling "gage", plus "meter", so update to:
gauge,gage,meter 23092 ?

floating_container 25562 – we decided to add descriptive form "floating" - to do!

shalom 16936 – the gloss should be complemented to **shalom,salam,greeting(s)** 16936

We have
old_(opposite_new)_(OLD) 15915) (opposite meaning + new + description indicator) now marked as "SUPERCEDED SYNONYM", and
old 23910 (many + year + description indicator) marked as "Preferred new SYNONYM, replacing 15915". But really, should we not maintain them as parallel synonyms. Something can be "old" in relation to something newer, without being many years old, e.g. some of our newest "OLD" synonyms, right ? ;-)
I suggest we remove the _(OLD) label on 15915!

forgiveness,pardon 21293 (permission,allowance_(moral) + after: giving moral permission for a misdeed after it is done) – This derivation raises questions for me; is forgiveness really about giving <u>moral permission</u> for a misdeed afterwords? Isn't it about accepting a person's apology for and recognition of a misdeed, or accepting a person as such in spite of a misdeed, while still morally rejecting the misdeed itself, rather than giving it moral allowance for it afterwords?

We have:
weekend_(6-7) 18218 (Saturday + Sunday [contraction]) SYMBOL SYNONYM
weekend_(7-1) 18219 (Friday + Saturday [contraction]) (Israel) SYMBOL SYNONYM
weekend 25217 (end + week) (Added week day number neutral)
I suggest we label the two old ones as (OLD) superseded synonyms, and the week day number neutral form as the preferred NEW SYNONYM, ok?

Av 12599 - should be complemented to **Av_(Hebrew_month)** 12599 to avoid confusion. Note: Same for the 11 other Jewish/Hebrew months, Adar, Cheshvan, Elul, Iyar, Kislev, Nisan,Nissan, Shevat,Shvat, Sivan, Tammuz, Tevet, Tishri!

termite 17524 – the gloss should have been updated to:
termite,wood_destroying_insect 17524 – to be done!

We have an inconsistency in the gloss for one of the geometrical shapes:
oval,ellipse 15946, which is really shape + oval, and **oval_shape** 23599 (which is the oval, ellipse in itself). The gloss and usage should should probably best be switched between these two, compared to the corresponding:
square_(shape) 17242 which is (shape + enclosure)
circle 13347 which is (shape + sun)

rectangle,oblong 16472 which is (shape + card)
diamond_(shape),rhombus,rhomb 13669, and **diamond_(character)** 25549
spiral,curl_(shape) 17230, and **spiral** 25616

finished,complete,completed 24844 – gloss could be complemented with "done" and "all_done", i.e., **finished,complete,completed,done,all_done** 24844 ?

vas_deferens 18001 – should we amend gloss to **vas_deferens, spermatic_cord** 18001?

metal 15459 - derivation (material + metal) should be updated to (material + metal_bar)

jet_ski 21884 – gloss should be updated as "jet ski" is a brand name of Kawasaki. I suggest it should be updated to: **personal_watercraft,PWC,water_scooter,jet_ski** 21884

OK,alright 25129 – colour code corrected from YELLOW to GREEN !

Gemini_(in_zodiac) 22655 – missing derivation!
nucleus 15741 – I suggest the gloss should be updated to **nucleus_(atom)** 15741.

play_(in_combinations) 23618 – Gloss update to **play,game_(in_combinations)** 23618 !?

pliers 16205 – Should this not also cover tongs, i.e., **pliers,tongs_(pair_of)** 16205 ?

We have **type,kind,sort** 17961, but not the verb **sort,separate,classify-(to)**

We have **decision** 13649 and **decide-(to)** 13648 – add gloss to **decision,conclusion** 13649, and **decide,determine,conclude-(to)** 13648?

I suggest complementing gloss of **seaweed** 23658 to **seaweed,algae,alga** 23658

I suggest complementing gloss of **man-made** 15420 to **man-made,produced** 15420

I suggest complementing gloss of **alpana,rangoli_(decoration)** 12365 to **alpana,alpona,rangoli,kolam_(decoration)** 12365

I suggest complementing gloss of **barrow** 23416 to **barrow,garden_cart,wheelbarrow** 23416

I suggest complementing gloss of **colour** 13377 to **colour,color** 13377

We currently have **lie_down,lie-(to)** 15205 (a person lying down).
Do we need another Bliss-word to differentiate between "lie -- (be lying, be prostrate; be in a horizontal position" and " lie down, lie -- (assume a reclining position; "lie down on the bed until you feel better")"?
(Currently 15205 has to cover both)

For double_bassoon_(1) 23850 and double_bassoon_(2) 23851 the gloss should be amended to respectively:
contrabassoon,double_bassoon_(1) 23850
contrabassoon,double_bassoon_(2) 23851

For French_horn_(1) 23876 and French_horn_(2) 23877 the gloss should be amended to respectively:
French_horn,horn_(1) 23876 and **French_horn,horn_(2)** 23877

existence,being_(1) 24098 and **existence,being_(2)** 24443 are labelled as synonyms, but I think this is wrong. I suggest this should be revised, e.g. to:
existence,being_(abstract) 24098 and **existence,being_(concrete)** 24443
somersault_(1) 24272 and **somersault_(2)** 24273 are also labelled as synonyms. I think this is questionable. I suggest this should be revised: The best alternative would be to remove the specified alternative (simplification is good!), alternatively re-gloss to e.g.:
24272 **somersault**, and 24273 **somersault_(person)**.

We have **access-(to)** 25001, and **accessible** 25003, based on
accessibility 25002 (existence,being_(2) + through: being possible to get through to)
But we don't have the basic noun concept "**access**" (which has several dfferent definitions/meanings in WordNet).
Could we let let the same Bliss-word represent both accessible and "access"? Questionable! If not, it can also be questioned if the verb access-(to) should be based on accessibility? Would it not be more natural to use "access" as the base form?

crash_(air) 13437 and **crash_(car)** 13438 are incorrectly composed Bliss-words where the specifier has been made the classifier and vice versa. The order should be reversed, i.e.:

and   →   and
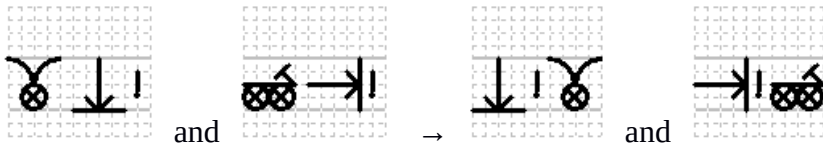
We have **need_(needy_person)** 15701   , and based on this character:

need-(to) 15702   and **necessary,necessarily,needed** 15698   . I tentatively suggest we should update the glosses to generally cover necessity, demand, requirement and corresponding forms, i.e.:
need_(needy_person),necessity,demand,requirement 15701,
need,necessitate,demand,require-(to) 15702, and **necessary,necessarily,needed,required** 15698

The words demand and require(ment) have more than one meaning.
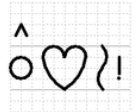
We also have **demand-(to)** 21336   .
This could be amended to **demand,require-(to)**, and the corresponding noun form could be added?

Suggest gloss update hull,body 22065 → **hull,body_(boat)** 22065
Possibly also keel 22064 → **keel_(boat)** 22064

yen 18293 → **yen,yuan** 18293 as this symbol is also representing Chinese currency.
shine 22386 → **shine,radiance,radiancy** 22386

quills,spines 23627 → **quill(s),spine(s)** 23627 (not collective nouns)

More suggested new characters:

I suggest that we create a unique Bliss-character for "narrow" - with small pointers from the inside and out. This means that we break up the unsatisfactory current merging of the two concepts **thin,slim** on one hand, and **narrow** on the other in **thin,slim,narrow** 17716.

The new character for **narrow** can be produced by using small pointers, i.e. . Compare C.K.Bliss in Semantography:
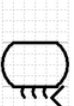
wide   narrow   thick   thin , where he conveniently adjusts the size of the pointers so they fit in between the closely spaced reference lines.

We seem to be missing base characters for another set of characters with pointers:

eyebrow 14134 , beard 12644 , hair_(head) 14661 , pimple,blemish 16180

pubic_hair 16426 , mane_(lion_etc) 25580

The additional alphabet abc:s for Greek, Cyrilic, Hebrew and Arabic …

The Rubel and why not Korean Won signs - ₽ RUBLE SIGN, ₩ WON SIGN

In Michael's Unicode draft I find **steering wheel**   Missing character in the AV!
I find the following note in my BRG document:
"steering wheel   - see Note p. II-22".   Should be added to the AV !

New issues that need to be clarified:

In the AV **board_(material)** 12868 , the pointer is placed tight up to the bottom side of the table, but not so in Michael's Bliss Unicode draft! Which is right? Michael's general pointer approach seems more reasonable for this (and the next).

Note that in the AV **tabletop** 23673 , the pointer is placed tight down onto the top side of the table, but not so in Michael's Bliss Unicode draft! Which is right? Michael's general pointer approach seems more reasonable for this (as for the previous).
The gloss should be updated to **tabletop,desktop** 23673 !

In the AV **yard** 18287 the pointer is right down to the earthline, as in **place,area,location,space** 16193 ! (Not so in Michael's Bliss Unicode draft!) What is the implication for the need of a base character without pointer? Is it needed? - **Yes** as it's also used in **fence,wall** 14167
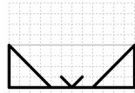
But what about **valley** 17999 , **square_(public)** 24281 ,

 street 17441 , and **road_(1)** 16678 ? Do we need base characters without the pointer for these? I don't think that's necessary, if not used or usable for other purposes.

The placement of the pointer in the AV versions of these characters makes sense, as they are based on **place,area,location,space** 16193.

We should make a consequent distinction between actual "pointers" that point to a certain part of a character, and "arrowheads" that signal a relation and/or direction, as in **from** 14403, **on** 15918, **place,area,location,space** 16193, **to,toward,towards** 17739, **fatness,thickness** 25560, **thinness,narrowness** 25622, **wideness,broadness** 25634, etc.!

Suggested updates based on new **fiber,fibre,fibril,filament,strand** 25878, **thread,string,cord** 25956 and **rope,hawser** 25933:
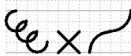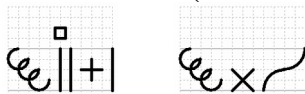
First: update the gloss of current **strap,string,velcro,rope,cord** 17276 by removing string, rope and cord from the gloss, i.e., → **strap,velcro_(etc)** 17276
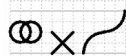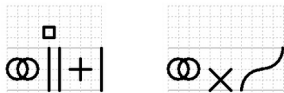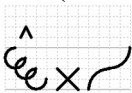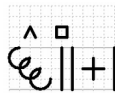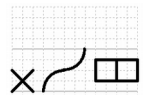
knot 24177 → (alternatively _(OLD) + new entry)?
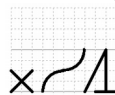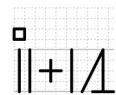
lifeline 25335 → (alternatively _(OLD) + new entry)?

whipping_knot 25393 → (etc. …)?

tie_whipping_knot-(to) 25386 → ?

wire,cable 18265 → - alternatively:

rename wire,cable 18265 → **metal_rod** 18265   and add new **wire,cable** as new entry ?

electric_wire,electric_cord,cord,cable,lead 13921   →   (contraction of wire)?

wireless_connection,WiFi,Bluetooth_(etc) 24782   →   (contraction of wire)?

We also have a problem with concepts of a band, ribbon or tape – according to the following WordNet definitions:
10. **band** -- (a thin flat strip or loop of flexible material that goes around or over something else)
4. **ribbon** -- (notion consisting of a narrow strip of fine material used for trimming)
1. **tape** -- (a long thin piece of cloth or paper as used for binding or fastening; "he used a piece of tape for a belt"; "he wrapped a tape around the package")

We have **ribbon,tape** 16504   , which again is unsatisfactory built on **linear_thing,pole**.

An attempted suggestion for a new pictographic character: **band,ribbon,tape,strap**

More notes 2017:

We should use more time on covering common missing words and meanings:

For example, we have **become-(to)** 12648   , but here we are missing two very common synonym words "get" and "go" - compare WN: "1. (333) **become, go, get** -- (enter or assume a certain state or condition; "He became annoyed when he heard the bad news"; "It must be getting more serious"; "her face went red with anger"; "She went into ecstasy"; "Get going!")"
Amend to: **become,get,go-(to)** 12648 !?

I just discover that we miss the word "**itself**"! Should be added to **it** 14960 – **it,itself** 14960 ?

When adding the Toronto list:
braces_(neck,medical),neck_brace,cervical_collar,neck_collar - I change this to
brace_(neck,medical),neck_brace,cervical_collar,neck_collar ok?
… But from often suggesting more gloss words I now think we are going top heavy. Why not just:
neck_brace,cervical_collar,neck_collar_(medical) ? … and corresponding for the other brace(s)!

While updating break,fracture 24852 → **break,fracture,damage** 24852 I notice that we are missing the rather common words **damage** as a verb, as well as **harm** both as noun and verb. ("harm" is only found in **self-harm** 16753 and **self-harming** 22916). Can they be amended to the gloss of existing? In the case of damage we should be able to add it to break,crack,fracture,tear-(to) 12896 → **break,crack,fracture,tear,damage-(to)** 12896 in correspondence to 24852.

Regarding **harm**, the WN defintions are:

The **noun harm** has 3 senses (first 3 from tagged texts)

1. (5) injury, hurt, harm, trauma -- (any physical damage to the body caused by violence or accident or fracture etc.)

2. (2) damage, harm, impairment -- (the occurrence of a change for the worse)

3. (1) damage, harm, hurt, scathe -- (the act of damaging something or someone)

The **verb harm** has 1 sense (first 1 from tagged texts)

1. (4) harm -- (cause or do harm to; "These pills won't harm your system")

Is this close enough to also include "harm", in a general sense, in the gloss of both 24852 and 12896 ? It feels a bit awkward as "harm" to me is more associated with living things (or abstract entities), while "damage" is more associated with inanimate things (and abstract entities). But, on the other hand, the Bliss-word can be judged to cover it all. We could just as well consider including "injury" and "trauma", as we use it in **brain_injury**, right?

As we can see in the WN definitions, this also involves one sense of "hurt". In the AV we have "hurt" as a verb in the specific sense "to feel pain" or "to suffer" (**hurt,pain_(feel),suffer-(to)** 14913), but not in the sense of causing damage or harm.

As these are important and rather common words and concepts we should try to cover them.

When discussing Bliss-words for **discover,find-(to)** we referred to **Portugal** 25140 (country +

wakefulness,alertness + new: country of discoveries (search [contr.] + new)) .
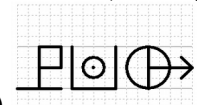
But we also have: **explore-(to)** 25058   and **explorer,enquirer** 25059 .
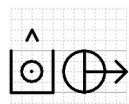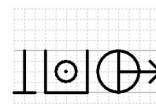
In my work list I find the tentative: **discovery,find,breakthrough**   and **discover,find-(to)** .
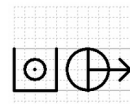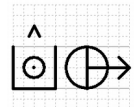
But these latter two should then probably rather be **exploration** and **explore-(to)** !? And the derivation for Portugal should perhaps rather be (country + exploration: country of explorations and explorers).

Then we could in principle stick to the current **find-(to)** 14179   for **find,discover-(to),**
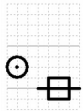
and for **finding,find,discovery** ? But then again; This is a strange Blissword with the eye as classifier! What kind of an eye is this?

Update **peel** 15988 to **peel,skin** 15988 ?

I am missing a Bliss-word for "symbol" as a general concept. Could it be:
(thing + meaning: a thing that has a specific meaning), **symbol** ?
picture_symbol could be (picture + meaning)

Updated derivation for 16763 **sew-(to)**, to (needle + action indicator), from faulty copy of that for 16764 **sewing_machine**. **→ OK**

Updated **peas** 15987 to   **pea(s)** 15987 (in congruence with updates of the gloss of other non collective nouns previously in plural form – such as **grape(s)** 14635 and **raisin(s),currant(s)** 24231) **→ OK**

Other plural form gloss words that should (probably) be updated:
ashes 12586 → **ash,ashes** 12586, or **ash(es)** 12586 ?
binoculars,field_glass 25984 → **binoculars,field_glasses,field_glass** 25984 ?
breasts 12899 → **breast(s)** 12899
candy,sweets 22376 → **candy,sweet(s)** 22376

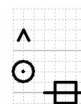**cards,playing_cards** 13122 – this Bliss-word is in plural form, but shouldn't we also have the noun in singular form ? It may also be a good idea to add the established "pack of cards, deck of cards" to the gloss of the existing 13122 ?
cherries 13159 → **cherry**,**cherries** 13159
crutches 13617 – this Bliss-word is in plural form, but shouldn't we also have the noun in singular form ?
currants 13623 → **currant(s)** 13623
current_events 13625 – Bliss-word is in plural form, also in singular form?
dish_gloves,rubber_gloves 22597 → **dish_glove(s),rubber_glove(s)** 22597
earphones,headphones 3899 → **earphone(s),headphone(s)** 3899
goods,contents 14457 → **good(s),content(s)** 14457
Hattifatteners 25073 – this Bliss-word is in plural form, should we also have the singular form ?
hello,greetings 14702 → **hello,greeting(s)** 14702
high_heeled_shoes,high_heels 25456 → **high_heeled_shoe(s),high_heel(s)** 25456
ice_skates 14924 → **ice_skate(s)** 14924
jam,jelly,marmalade,preserves 14965 → **jam,jelly,marmalade,preserve(s)** 14965
kitchen_tool,utensils 22561 → **kitchen_tool,utensil** 22561 (done!)
opposing_forces,counter-forces 25589 – This is one of the newly added characters (two parallel left arrows) with no clear intended semantic function by itself, but occurring in some Bliss-words. Shall we treat it gloss wise as the others and change to **opposing_force(s),counter-force(s)** 25589 ?
peas 15987 → **pea(s)** 15987
quills,spines 23627 → **quill(s),spine(s)** 23627
raisins,currants 24231) → **raisin(s),currant(s)** 24231)
rapids 22623 → **rapid(s)** 22623

roller_skates 16685 → **roller_skate(s)** 16685
row_house,attached_houses 23193 → **row_house,attached_house(s)** 23193
runes 22830 → **rune(s)** 22830
scales 16729 ? In WN we find: "**scale**, **weighing machine** -- (a measuring instrument for weighing; shows amount of mass)" - one of 10 senses/meanings of the noun "scale". I think this ambiguity motivates adding "weighing machine" to the gloss. But should we also drop the plural, or update to:
scale(s),weighing_machine 16729 ?
twins 23978 – Bliss-word is in dual form. Shall we still change to **twin(s)** 23978 ?

While searching the lexicon for the questionable plural gloss forms I find the following:
short_message_system_(SMS),text_message 24509 – which is slightly incorrect. It should actually be:
Short_Message_Service,SMS,text_message 24509, and in congruence with this **MMS** 24699 should rather be: **MMS,Multimedia_Messaging_Service** 24699. Shall we update these two?

When updating and checking derivations I found reasons for updating derivations for the following:

ability,capability,capacity,potential 12322 – derivation updated to: (dot + evaluation: evaluation beforehand of one's potential to do something) - **Character** (sequenced) This is according to ME's Unicode draft, but why character and not a word?

advance,go-(to) 12343 – derivation updated from: (forward + action indicator) See also: go (to).   to: (forward + action indicator) See also: **go,depart,leave-(to)** 14449, and **walk,go-(to)** 18031

again 12350 – derivation updated to: (dot is repeated: it appears once and then again) - **Character** (sequenced) This is according to ME's Unicode draft, but why character and not a word?

angel_(OLD) 12375 – derivation updated to: 12375 (angel_(1) + God: winged person sent by God) SUPERSEDED SYNONYM See **angel_(1)** 20571 and **angel_(2)** 20570

animal_(water) 12389 – derivation updated from: "(animal + water)" to:
(animal + water [modification, under earthline]) - **Character** (superimposed – modified)
Note: So this was a missing character identification. Does this mean we need a separate water character positioned under the earth line?

apple 12405 – derivation updated from (pictograph with stem) - **Character**   to:
(pictograph of apple with stem) - **Character**

back_and_forth,backward_and_forward,to_and_fro 12610 – derivation updated from:
(backward + forward) - **Character** (superimposed)   to:
(backward [modification, on earthline] + forward) - **Character** (superimposed – modified)

bad,wrong 12615 – derivation updated to: (feeling + negative + description indicator: felt to be negative or bad in an emotional sense) See also: **immoral,bad,wrong,morally_wrong** 14929 and **incorrect,bad,inaccurate,wrong** 14935

bat_(animal) 12636 – derivation updated from:

(animal + wings: flying animal) - Character (superimposed) to:
(animal + wing(s): flying animal) - **Character** (superimposed)

<mark>**be,am,are,is,exist-(to)** 12639 – derivation updated to: (to live [half-sized] + action indicator: the "little meaning" of to live) (See Note p. II-30 in BRG)</mark>

beach,bank,coast,shore 12640 – derivation updated from: (earth + water): place where land touches water) - **Character** (superimposed) to:
(earth + water_(ground_level): place where land touches water) - **Character** (superimposed)

<mark>**bean** 12642 – derivation updated to: (pictograph: cross section of bean in a pod) - **Character**</mark>

beard 12644 – derivation updated from: (face + hair + pointer, to beard) - **Character** (superimposed – pointer) to: (face_with_beard + pointer, to beard) - **Character** (superimposed - pointer)

belongs_to,of_(possessive) 12663 – derivation updated from: (addition [half-sized] with the crossbar located on the earthline) - **Character** to:
(addition [half-sized, modification, with the crossbar located on the earthline]) - **Character** – (modified)

between 12669 – derivation updated from: (two reference lines + dot, between them) - **Character** to:
(two reference lines + dot, between them) - **Character** (sequenced)

<mark>**beyond,past_(OLD)** 12670 – derivation updated to: (outside + limit(s),limitation_(OLD) + description indicator) SUPERSEDED SYNONYM See **beyond,past** 25983</mark>

duck,bird_(water),waterbird,waterfowl,seabird,seafowl 12840 – derivation updated from: (bird + water: aquatic bird) - **Character** (superimposed) to: (bird + water [modification, under earthline]: aquatic bird) - **Character** (superimposed – modified)

<mark>**blind** 12856 – derivation updated to: (blindness + description indicator: unable to see) See also: **visually_impaired** 26033</mark>

protection,shelter 16420 – derivation updated from: (protection [roof] + star: someone new under the roof. CKB points out that newspapers often use a star to denote a birth.) - **Character** (superimposed) to: (protection,shelter + star: someone new under the roof. CKB points out that newspapers often use a star to denote a birth.) - **Character** (superimposed)

book 12875 – derivation, minor update to: (pictograph: symbol suggests an open book. It can also be explained as: two page symbols.) - **Character**

bottle,flask 12880 – derivation updated from: (pictograph) - **Character** to: (pictograph: suggests bottle with body and neck) - **Character**

boy,lad 12888 – derivation, minor update to: (child + male (combination)) - **Character** (superimposed – combined)

brain 12893 – derivation updated to: (mind + thing indicator: organ of the body. The symbol is the

concrete form of mind.) - (character with thing indicator)

bridge,overpass 12902 – derivation updated to: (earth [modification; half-sized] + bow,arc + earth [half-sized]: the symbol suggests a bridge between two banks of a river) - **Character** (superimposed - modified)

broken 12907 – derivation updated to: (break,fracture,damage + description after the fact indicator)

bulb_(flower) 12919 – derivation updated from: (bulb + flower + pointer, to bulb) - **Character** (superimposed - pointer) to: (bulbous_plant + pointer, to bulb) - **Character** (superimposed - pointer)

calculate-(to) 13107 – derivation updated to: (calculation_(mathematical,in_mind) + action indicator: to think using numbers)

carry,move,transport-(to) 13125 – derivation updated to: (transport,transportation + action indicator: to move something by vehicle). See also: **take,bring,carry,move-(to)** 17497

cause 13134 – derivation updated to: (wedge shape that incorporates relation: the wedge presses into the thing on which it has an effect). - **Character**   See also: **effect,result** 13910

change,alteration,conversion 13151 – derivation updated from: (weather [modified]: CKB says that weather is ever-changing. The symbol represents change in a general sense.)   to:
(weather [modification]: CKB says that weather is ever-changing. Can also be interpreted as life + water, ever-changing in state. The symbol represents change in a general sense.) - **Character** (superimposed – modified)
Note: Added character identification in derivation

chest_of_drawers,bureau,dresser 13162   – derivation updated to: (pictograph) - **Character** (comment removed)

chimney 13168   – derivation updated to: (building_with_chimney + pointer, to chimney) - **Character** (superimposed – pointer)

chocolate_flavouring,cocoa,cacao_powder_(OLD) 13173   – derivation updated to: (adding,additive + chocolate [contraction])   SUPERSEDED SYNONYM See **chocolate_flavouring** 20771

cigarette 13346   – derivation updated to: (smoking_(cigarette) + pointer, to cigarette) - **Character** (superimposed – pointer)

container,bowl,holder,pouch,basket 13403   – derivation updated to: (pictograph: symbol suggests the outline of a bowl)   - **Character**

correct,accurate,good,right 13416   – derivation updated to: (correctness + description indicator: thought to be correct, good, or right in a rational sense) See also: **good,well,fine,ok,okay,all_right** 14463 and **moral,good,right,morally_right** 15653

country,state 13423   – derivation updated to: (flag + earth: territory identified by a flag) See also: **countryside,country,nature** 13424.   - **Character** (superimposed)

countryside,country,nature 13424 – derivation updated to: (tree + earth: place where trees dominate the landscape) See also: **country,state** 13423 - **Character** (superimposed)

danger 13632 – derivation updated to: (creation + intensity: CKB says that this symbol implies that we must take care that we do not harm ourselves or others, since we are all part of a divine Creation) - **Character** (superimposed)

day 13639 – derivation updated to: (sun + earth: sun appears above the horizon; it shines on the earth during the day) - **Character** (superimposed)

deaf 13643 – derivation updated to: (deafness + description indicator: unable to hear) See also: **hearing-impaired** 26009

different,other,difference 13675 – derivation updated to: (to cross out + same) - **Character** (superimposed)

doubt-(to) 13868 – derivation updated to: (doubt,uncertainty + action indicator)

effect,result 13910 – derivation updated to: (greater_than_(relation) + pictograph, of imprint: the effect is the imprint left by the wedge-shaped cause) See also: **cause** 13134. - Character (superimposed)

electric_light,lamp 13919 – derivation updated to: (light + electricity + thing indicator: object that provides light by means of electricity)
(Removed note, but still worth noting that we don't have the general Bliss-word for "lamp" without specification.)

etrog 13946 – derivation updated to: (pictograph: citrus fruit used as a Jewish ceremonial object (Hebrew)) - **Character**

evening_before_holiday,evening_of_Sabbath 14113 – derivation updated to: (evening + before + Sabbath,day_of_rest)

police_force,police 14146 – derivation updated to: (group + protection: group of caring people) (Note: The similarity between police and parent, and the lacking aspect of law enforcement, can be seen as problematic.)

feeling,emotion,sensation 14164 – derivation updated to: (symbol is the familiar heart shape: traditionally one's feelings are supposed to come from the heart. In a few cases, this symbol is used to represent sensation.) - **Character**

fur,coat_(animal),hair_(animal) 14415 – derivation updated to: (furred_animal + pointer, to hair: hair protecting the skin of an animal) - **Character** (superimposed - pointer)

hair_(head) 14661 – derivation updated to: (head_with_hair + pointer, to hair) - **Character** (superimposed - pointer)

handbag,shopping_bag,carrier_bag 14668 – derivation updated to: (container + pictograph of top with

a handle: pictograph that suggests a handbag with a handle) - **Character** (superimposed)

hard_(OLD) 14679   – derivation updated to: (opposite meaning + soft + description indicator) SUPERSEDED SYNONYM See **hard,firm** 20530

helicopter 14701   – derivation updated to: (wheel + propeller,rotor_(blades): pictograph derived from airplane) - **Character** (superimposed)

here 14708   – derivation updated to: (about,concerning,in_relation_to,of,on + two dots: the "of,on" arrowhead pointing to the right to the first and closest one of two dots, indicating the "here" relationship to certain points in space) - **Character** (sequenced) This is according to ME's Unicode draft, but why character and not a word?

house,building,dwelling,residence 14905   – derivation updated to: (foundation + protection: pictograph of the outline of a house.The symbol can also be explained as: combination of enclosure and protection.) - **Character** (superimposed)

immoral,bad,wrong,morally_wrong 14929   – derivation updated to: (bad_conscience + intensity + description indicator: morally wrong or bad) See also: **bad,wrong** 12615 and **incorrect,bad,inaccurate,wrong** 14935.

improve-(to) 14931   – derivation updated to: (to cause + more + correct + action indicator: to cause to be better, in a rational sense.) See also: **improvement** 24856.

incorrect,bad,inaccurate,wrong 14935   – derivation updated to: (incorrect_thinking + intensity + description indicator: thought to be wrong or bad in a rational sense) See also: **bad,wrong** 12615 and **immoral,bad,wrong,morally_wrong** 14929.

infinite,limitless_(OLD) 14940   – derivation updated to: (infiniteness,boundlessness,limitlessness_(OLD) + description indicator) SUPERSEDED SYNONYM See **infinite,limitless** 26010

island 14958   – derivation updated to: (water_(ground_level) + earth + water_(ground_level): land surrounded by water on ground level) - **Character** (superimposed)

lettuce,leafy_vegetable 15200   – derivation updated to: (earth + outline of leaves: symbol suggests a leafy vegetable with the grass-like edible portion above ground) - **Character** (superimposed)

limit(s),limitation_(OLD) 15213   – derivation updated to: (two reference lines on the vertical boundaries of the symbol for enclosure, limiting what lies between them) - **Character** (sequenced) SUPERSEDED SYNONYM and SUPERSEDED CHARACTER See **limit(s),limitation,restriction** 25579

linear_thing,pole 15216   – derivation updated to: (line + thing indicator) - (character with thing indicator)

little,small 15221   – derivation updated to: (vertical line [half-sized] bounded by two horizontal reference lines [half-sized] + description indicator: the vertical line is relatively little) See also: **big,large** 12835.

low,short 15401 – derivation updated to: (lowness,shortness_(height) + description indicator: the space between the reference lines is relatively low) See also: **high,tall** 14711 and **short** 16962.

man,male 15416 – derivation updated to: (person [modification] + action (combination): CKB says man embodies the action principle in society. The symbol also looks like a stick figure of a man wearing trousers.) See also: **activity,male_gender_(in_combinations)** 12335, and **male,masculine_(person)** 15414. - **Character** (superimposed - modified - combined)

moral,good,right,morally_right 15653 – derivation updated to: (good_conscience + intensity + description indicator: can also be seen as a combination of conscience + positive) See also: **correct,accurate,good,right** 13416 and **good,well,fine,ok,okay,all_right** 14463.

mud,clay 15672 – derivation updated to: (earth [modification, extended line] + water_(ground_level): mixture composed of more earth than water) - **Character** (superimposed – modified)

hypodermic_needle 15704 – derivation updated to: (hypodermic_needlepoint + thing indicator: or semantically more reasonable; syringe + pointer, to needlepoint) - (character with thing indicator)

nonspeaking 15728 – derivation updated to: (no_speech,anarthria + description indicator: unable to speak). See also: **speech_impaired** 26025

now 15736 – derivation updated to: (ago,then_(past) + then,so,later: present [half-sized]) - **Character** (sequenced) This is according to ME's Unicode draft, but why character and not a word?

oil,lubricant 15914 – derivation updated to: (water,fluid,liquid + water_(ground_level): two parallel liquid symbols, suggesting oil that floats on water) - **Character** (superimposed - modified)

out,exterior,external,outside 15942 – derivation updated to: (enclosure + dot, outside the enclosure) - **Character** (sequenced)

pair 15959 – derivation updated to: (2 + thing indicator: two items) - (character with thing indicator)

paper,card,page 15962 – derivation updated to: (pictograph: symbol suggests a sheet of paper or a page of a book) See also: **book** 12875 - **Character**

part,bit,piece,portion,part_of 15972 – derivation updated to: (division [half-sized]: a part is created when something is divided) With the gloss "part of", the symbol is used before another symbol to create a new meaning, which is part of the meaning of the original symbol, i.e., part of + language = word. See Note p. II-106 in BRG) - **Character**

police_officer,policeman,policewoman 16217 – derivation updated to: (person + protection) (Note: The similarity between police and parent, and the lacking aspect of law enforcement, can be seen as problematic.)

position 16224 – derivation updated to: (greater_than_(relation) + dot: forward pointing relation to a certain point in space) - **Character** (sequenced)

powder,dust 16233 – derivation updated to: (three powder-like dots: located at the corner points of the

stone symbol) See **stone,rock** 17267 - **Character** (superimposed – sequenced)

power_(physics) 16234   – derivation updated to: (action + electromagnetic radiation: energy in action) - **Character** (superimposed)

present 16246   – derivation updated to: (past + future: time between past and future) - **Character** (sequenced) This is according to ME's Unicode draft, but why character and not a word?

public_room 16430   – derivation updated to: (ground + room, room with extended floor line [adaptation]: room opening out onto the street) - **Character** (superimposed – adapted)

raisins_(OLD) 16460   – derivation updated to: (grape(s) + dry_(OLD)) SUPERSEDED SYNONYM See **raisin(s),currant(s)** 24231

who,that,which-(relative) 16482   – derivation updated to: (double commas, apostrophes or ditto marks in a sentence [modification, on the midline]: This symbol is equivalent to a relative pronoun or a conjunction used to introduce a relative clause. - **Character** (sequenced – modified)

return 16499   – derivation updated to: (reference line + backward: the arrow, moving backward, returns toward the reference line) - **Character** (sequenced) ??

rice 16505   – derivation updated to: (grain + water_(ground_level): grain that grows in water) - **Character** (superimposed)

river,stream,current 16677   – derivation updated to: (water_(ground_level) + forward: water that flows forward) - **Character** (superimposed)

root(s),rootage,root_system 16688   – derivation updated to: (earth + pictograph of roots: symbol suggests two roots below the ground.) - **Character** (superimposed)

sailboat_(OLD) 16707   – derivation updated to: (pictograph: symbol suggests the outline of a sailboat.The symbol also can be explained as: combination of boat and sail) - **Character** SUPERSEDED SYNONYM See **sailboat,sailing_boat,yacht** 20520

screw 16739   – derivation updated to: (line + wavy line (as of fire) + line: pictograph that suggests the path made by the thread of a screw) - **Character** (sequenced)

seesaw,teeter-totter,teeter_board 16751   – derivation updated from: (pictograph) - **Character**)   to: (slanted line (as of a diagonal of a horizontal rectangle – character of Unicode draft, missing here) + small triangle (as of female_(gender)): pictograph, slanted line on top of triangle, suggesting a seesaw) - **Character** (superimposed)

short 16962   – derivation updated to: (shortness_(distance,length) + description indicator: horizontal line is relatively short) See also: **low,short** 15401 and **long** 15229.

slide 17011   – derivation updated to: (downward and forward + thing indicator: thing for sliding) - (character with thing indicator)

water_snake 17190   – derivation updated to: (snake + water [modification, low position under the earthline]: snake that spends much time in the water) - **Character** (superimposed - modified)

space,dimension 17221   – derivation updated from: (three coordinates drawn in perspective, illustrating the three dimensions of space) - **Character**   to: (three coordinate axes drawn in perspective, illustrating the three dimensions of space) - **Character**

sperm 17226   – derivation updated from: (pictograph) - **Character**   to: (horizontal reversed wavy line + pictograph of sperm head: pictograph of sperm with tail and head) - **Character** (superimposed)

strawberry 17278   – derivation updated to: (berry + pictograph of seeds showing on the outside) - **Character** (superimposed)

structure,construction 17445   – derivation updated to: (enclosure [modification, formed of lines and dots]) - **Character** (modification)

swamp,bog,marsh 17472   – derivation updated to: (water_(ground_level) + earth [half-sized]: more water than earth) - **Character** (superimposed)

==**tennis_(activity)_(OLD)** 17522   – derivation updated to: (activity + crossed_racquets: game played with racquets)   SUPERSEDED SYNONYM See **tennis_(activity)** 26031 and **tennis,racket_sport,racquet_sport** 26030==

==**there** 17707   – derivation updated to: (two dots + by,by_means_of,of: the "by" arrowhead at the right hand end pointing to the left to the last one of two dots, indicating the furter away "there" relationship to certain points in space) - **Character** (sequenced)== ==This is according to ME's Unicode draft, but why character and not a word?==

toilet 17747   – derivation updated to: (seat + water_(ground_level): water closet) - **Character** (superimposed)
Note: gloss to be updated!

tractor 17765   – derivation updated from: (pictograph) - **Character**   to: (car [modification, full sized back wheel]: pictograph of a tractor) - **Character** (modified)

tree 17775   – derivation updated from: (pictograph) - **Character**   to: (pictograph, of tree with trunk and branches) - **Character**

==**trouble** 17780   – derivation updated to: (feeling + opposing_forces,counter-forces: feeling of being beset by opposing forces) See also **worry** 18280.==

==**vacation,holiday** 17995   – derivation updated to: (unemployment + happy: time of not working, which is happy) See also: **holiday,festival** 14884==

with 18267   – derivation updated to: (addition [half-sized, modification with the crossbar located on the skyline]) - **Character** (modified)

angel_(2) 20570 – derivation updated to: (spirit + supernatural + peace) SYMBOL SYNONYM

angel_(1) 20571 – derivation updated to: (person + wings) - **Character** (superimposed) SYMBOL SYNONYM

disperse,disseminate,scatter,spread-(to) 21058 – derivation updated to: (dispersion,dissemination,scattering,spread,spreading + action indicator) See **dispersion,dissemination,scattering,spread,spreading** 24887

celebration_of_life 21291 – derivation updated to:

central_nervous_system,CNS 21585 – derivation updated to: (brain_signal + thing indicator: system consisting of brain and spinal cord which is activated by electrical impulses) - (character with thing indicator)

paddle,oar 22067 – derivation updated to: (water_(ground_level) + pictograph, of paddle in water) - **Character** (superimposed)

paddle_(two_blades) 22068 – derivation updated to: (water_(ground_level) + pictograph, of paddle with two blades in water) - **Character** (superimposed)

fjord 22613 – derivation updated to: (water_(ground_level) + mountain: a long and narrow inlet of the sea in between steep mountains) - **Character** (superimposed)

inlet 22625 – derivation updated to: (earth + water_(ground_level) + earth: an arm of water reaching into land) - **Character** (superimposed)

tide 22626 – derivation updated to: (sea + back and forth: daily variations in surface levels of oceans)

attic 23026 – derivation updated to: (building_with_attic + pointer, to the attic) - **Character** (superimposed – pointer)

basement,cellar 23029 – derivation updated to: (building_with_cellar + pointer, to cellar) - **Character** (superimposed – pointer)

eaves 23073 – derivation updated to: (protection_with_pointer + thing indicator: roof with a pointer to the eaves) - (character with thing indicator)

floor,storey,level,etage 23085 – derivation updated to: (building_with_storey + pointer) - **Character** (superimposed – pointer)

gauge,gage,meter 23092 – derivation updated to: (scale,measurement + thing indicator) - (character with thing indicator)

metal_bar 23150 – derivation updated to: (thing + thing: a combination of rectangular shape + thing) - **Character** (superimposed)

Dharma_wheel 23472 – derivation updated to: (wheel [modification, to full size]: forms a pictograph of

a big wheel with spokes, used as a symbol in Buddhism) - **Character** (modified)

seaweed 23658   – derivation updated to: (water_(ground_level) + grass: representing plants growing in water) - **Character** (superimposed)

water_creature 23706   – derivation updated to: (water_(ground_level) + arc: pictograph that could be associated with smooth water creatures) Used in conjunction with a specifier. - **Character** (superimposed)

bomb,explosive 24036   – derivation updated to: (explosion + thing indicator) - (character with thing indicator)

bow 24037   – derivation updated to: (curve + thing indicator: bow, as in "bow and arrow", etc.) - (character with thing indicator)

linear_thing_(horizontal),bar 24180   – derivation updated to: (horizontal line + thing indicator) - (character with thing indicator)

navel 24198   – derivation updated to: (body_with_navel + pointer, to navel) - **Character** (superimposed – pointer)

somersault_(person) 24273   – derivation updated to: (somersault + person) SYMBOL SYNONYM

that_(conj) 24309   – derivation updated to: (ideograph: "…indicates a halt and afterwards a free flow" [C.K. Bliss, Semantography. p. 449]) See also: **but,except** 13094   - **Character**

organism 24494   – derivation updated to: (being + thing indicator) - (character with thing indicator)

rock_planet,terrestrial_planet 24504   – derivation updated to: (planet + stone,rock)

sink,basin 24511   – derivation updated to: (bath,washing + thing indicator) - (character with thing indicator)

exchanger 24653   – derivation updated to: (exchange + thing indicator: - to be used with qualifiers, e.g., heat exchanger, air exchanger, etc.) - (character with thing indicator)

receiver 24725   – derivation updated to: (receiving + thing indicator) - (character with thing indicator)

sea_chart 24745   – derivation updated to: (paper + water_(ground_level) (sea [contr.]))

shipping_forecast 24747   – derivation updated to: (weather forecast + water_(ground_level) (sea [contr.]))

submerged_rock,reef 24763   – derivation updated to: (rock + under + water_(ground_level) (sea [contr.]))

man-made_item,artefact,artifact,product 24803   – derivation updated to: (making,production,fashioning + thing indicator) - (character with thing indicator)

indicator_(present_action) 24807 – derivation updated to: (indicator_(past_action) + indicator_(future_action): may be placed above a symbol to show that it is representing a verb in present action form in a natural language) Used restrictively, **primarily for language teaching purposes**. - **Character** (superimposed - indicator)

wish,desire 24833   – derivation updated to: (mind + fire: a rational desire, a strong feeling shown by fire) See also: **want,desire** 24834 - **Character** (superimposed)

improvement 24856   – derivation updated to: (cause + more + correct: to cause to be better, in a rational sense.) See also: **improve-(to)** 14931 - Is this really a "cause"? I don't think so. It is a change to the better. The cause for the betterment can be anything from coincidence to deliberate action. Should both these be re-assessed?

fountain 24900   – derivation updated to: (thing + water_(ground_level) + up)

height,tallness 24909   – derivation updated to: (two horizontal reference lines [half-sized]: the space between the reference lines is the highest possible within the symbol square) See also: **lowness,shortness_(height)** 24918. - **Character** (superimposed)

littleness,smallness 24917   – derivation updated to: (vertical line [half-sized] bounded by two horizontal reference lines [half-sized]: the vertical line is relatively little) See also: **bigness,largeness** 24875. - **Character** (superimposed)

lowness,shortness_(height) 24918   – derivation updated to: (two horizontal reference lines [half-sized]: the space between the reference lines is relatively low) See also: **height,tallness** 24909. - **Character** (superimposed)

reading 24933   – derivation updated to: (eye (to see) + paper,card,page: the act of seeing and perceiving what is written on the printed page)

shortness_(distance,length) 24938   – derivation updated to: (horizontal line [half-sized] bounded by reference lines [half-sized]: horizontal line is relatively short) See also: **length,longness** 15193. - **Character**

Wednesday_(day3) 25214   – derivation updated to: (day + 3 + three_(index_number): small 3 of ISO standard) SYMBOL SYNONYM (replacing 18216)

Wednesday_(day4) 25215   – derivation updated to: (day + 4 + three_(index_number): small 3 of ISO standard) SYMBOL SYNONYM (replacing 18216)

Wednesday_(day5) 25216   – derivation updated to: (day + 5 + three_(index_number): small 3 of ISO standard) SYMBOL SYNONYM (replacing 18216)

depth 25546   – derivation updated to: (vertical line + vertical line + pointer: the pointer points downward to the bottom of a relatively deep space) See also **shallowness** 25606 - **Character** (superimposed - pointer)

floating_container 25562 – derivation updated to: (container + water_(ground_level): container appears to float on water) - **Character** (superimposed)

protected_water 25597 – derivation updated to: (protection + water_(ground_level): water with protection) - **Character** (superimposed)

set_square 25792 – derivation updated to: (angle_(right),right_angle + thing indicator) - (character with thing indicator)

fiber,fibre,fibril,filament,strand 25878 – derivation updated to: (pictograph, of a fiber) - **Character**

Additional gloss updates:
breasts 12899 → **breast(s)** 12899
cherries 13159 → **cherry_(cherries)** 13159
currants 13623 → **currant(s)** 13623
it 14960 → **it,itself** 14960   (in consistency with all personal pronouns)

Questions:

We have **solid_thing** 17205 (thing [modification, low position] + thing [modification, high position]: simplified three dimensional drawing of a solid object) - **Character** (superimposed - modified): This is in itself an odd concept and character, and I cannot find it used anywhere else in the lexicon. Is it, or why is it otherwise included? Inherited from CKB?

I may have found two drawing errors in the AV for **avocado** and 12600 **mango** : In both these the pit,stone is placed 1/8 space below that of **pit,stone** 16188. This seems to be different from Michael's BLISSYMBOL MANGO character, but the same as his BLISSYMBOL AVOCADO. Need to be checked against the BRG. In any case this seems to be an unnecessary deviation from the original vertical positioning of pit,stone.

Should not the derivations for **that_(there)** 17697 and **this** 17720 be improved to include some kind of explanation of or rationale for why they are representing their respective concepts?

dreidel_top 17759 (pictograph) - **Character** : This is a very specific Hebrew concept and gloss word. It is not at all explained, and generally poorly applicable. Should it not be made more generally useful by adding the reference to the general concept of a spinning top, as of WordNet:
"1. top, whirligig, teetotum, spinning top -- (a conical child's plaything tapering to a steel point on which it can be made to spin; "he got a bright red top and string for his birthday")"?
Suggested gloss, some of: **top, whirligig, teetotum, spinning top, dreidel** 17759
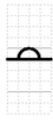
lid 22583 (pictograph) - **Character** : Why is the lid placed in this high position? I can only find this character being independently used in **manhole_cover** 25910, but it occurs as part of several other characters like **baggage,bag,luggage,suitcase** 12618, **handbag,shopping_bag,carrier_bag** 14668, and

pail,bucket 15953, but in all these in a lower position, as of **pail,bucket**: . Would this be a reason for lowering the lid to be placed on the midline?

return 16499 – check toward BRG !! Michael has this as a character where the arrow meets the reference line.

present 16246 – listed as character in Michael's Unicode draft. Shall it be regarded as a sequenced character or a multi-character Bliss-word (past + future)?