





PART 3

Signs that needs some introduction

We will start with half a dozen new signs which have no apparent connection with the words they represent. We will follow with a set of arrows of novel shape that broaden the already wide spectrum of arrow signs and will end with list of additional signs that complete the list of basic signs of NOBEL. In addition in this section we will illustrate ENGLISH – NOBEL Dictionary as well as NOBEL – ENGLISH (American) Dictionary, which should help those reading NOBEL to identify a sign or combination of signs that they may not seen before or do not recall the interpretation. In Nobel – English Dictionary signs are collected alphabetically according to the basic signs and separately according to the basic arrows used. We continue now with several signs that need some explanations: We will now stop counting words except for announcing every 1000 new words.




WITH

We have seen the sign for WITHOUT, shown below, which we adopted from Greek alphabet, the sign which is used in typography to indicate parts of text or the words in correcting the proofs before printing that should be deleted. We can now take the beginning of Greek letter theta to represent WITH:


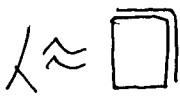

			
WITHOUT	WITH	<i>crossed</i> WITH	WITHOUT

In fact, with little of imagination one can think of the sign WITHOUT as being derived from the sign for WITH (although it is the other way round) which is *crossed* and then drawn in a single move!









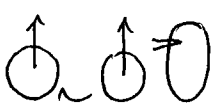



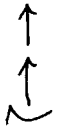



The basic sign WITH is used to arrive at signs for to HAVE and to OWN

		
WITH	HAVE	OWN

For example: person with a book, person has a book (but does not own it) and person owns a book would look like:

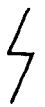
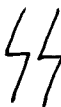
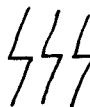
		
PERSON WITH A BOOK	PERSON HAS A BOOK	PERSON OWNS A BOOK

We continue with list of words which use WITH:






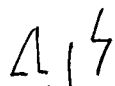
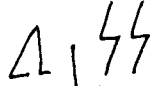
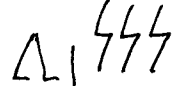
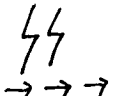

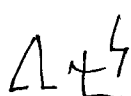

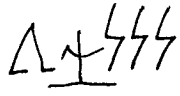
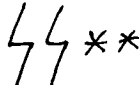
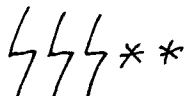
				
LACK <i>not have</i>	OWE <i>not own</i>	LOST <i>have not have</i>	RENT <i>own not own</i>	NOT HAVE <i>crossed "have"</i>
				
NOT OWN <i>crossed "own"</i>	FORCEFUL <i>with force</i>	POSSIBLE <i>work with work</i>	VULNERABLE <i>possible injury</i>	TOOL <i>work with</i>
				
AGREE <i>parallel with</i>	ANYHOW <i>agree/don't agree</i>	USEFUL <i>with use</i>	VALUABLE <i>with value</i>	STRONG <i>with muscle</i>
				
CITIZEN <i>person with country</i>				

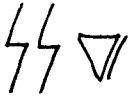
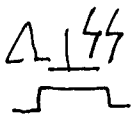
SUDDEN

We have seen the sign for DANGER which in fact represents doubling of the sign for SUDDEN. Thus in NOBEL the word DANGER = SUDDEN SUDDEN. When you think of it this is quite fair characterization of danger, which usually comes very sudden and because of that it is dangerous. We have now to explain the origin of the sign for SUDDEN. When one thinks of what comes sudden one can characterize LIGHTNING as sudden phenomena. Lightning in NOBEL is represented as "lot of electricity" so we took as the basis for the design of the symbol for SUDDEN the symbol for ELECTRICITY, but have erased the arrowhead. Thus combining SUDDEN with itself we obtain:

		
SUDDEN	DANGER <i>sudden sudden</i>	VIOLENCE <i>danger danger</i>

We can now examine words based on SUDDEN

				
SPASM <i>sudden in body</i>	CONVULSION <i>danger in body</i>	EPILEPSY <i>violence in body</i>	GRADUAL <i>not sudden</i>	RISK <i>potential danger</i>
				
DARING <i>against sudden</i>	COURAGE <i>against danger</i>	HEROISM <i>against violence</i>	MENACE <i>continuous danger</i>	EVOLUTION <i>gradual gradual</i>
				
DARING <i>with daring</i>	COURAGEOUS <i>with courage</i>	HEROIC <i>with heroism</i>	BLIZZARD <i>dangerous snow</i>	AVALANCHE <i>violent snow</i>






 <p>TOUCH AND GO <i>dangerous instability</i></p>	 <p>BRAVE <i>showing courage</i></p>			
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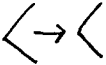


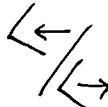



Observe how in Noble one can differentiate among words that are close in meaning, like the words CAREGEOUS and BRAVE. CARFEGEOUS is shown as going AGAINST DANGER, and BRAVE is shown as SHOWING COURAGE, hence BRAVE is COURAGEOUS on a PLATFORM. PLATFORM indicates publicity (showing).

HAND

The sign for HAND is based on Roman number five, which can still be seen on some clocks, which appears as capital V, and stands for five fingers of a hand. Recall that Roman numbers 1-4 appear as I, II, III, and IIII, which you can take to stand for fingers of your hand. Only later IIII has been written as IV, which one can read as one before five, just as nine is one before ten: IX. In passing one may recall that Romans did not have zero, and the decimal point did not exist even in the time of Galileo in the first half of the 17th century, so in that time all numbers were integers. In order thus to increase the accuracy of measurements Galileo had to use very small measurement units so that the measurement numbers are very large, and hence are expressed with many digits. Thus Galileo introduced unit for measuring distance, called punto, which was about 1 millimeter (to be precise punto was equal to 0.094 centimeter), and his unit for time was almost as small as 0.01 second, which is the precision with which time is measured in present-day races. Galileo measured time by measuring the weight of the water flowing from a container at the constant rate. His unit for weight was grain and grain was very close to one gram (to be precise: one grain was 0.945 grams). The unit for time called tempo, was defined as the weight of 16 grains of water, which was 1/92 seconds.





Coming back to Roman five, V, all that we did to this old sign is to orient it horizontally, because when the sign is written horizontally it can be readily combined with arrows and other signs. We will illustrate now many such combinations:

 <p>APPROVE <i>OK</i></p>	 <p>DISAPPROVE <i>not OK</i></p>	 <p>ACCEPT <i>take up</i></p>	 <p>TAKE <i>take in</i></p>	 <p>GIVE <i>hand out</i></p>
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
				
HELP <i>give a hand</i>	LEAVE <i>don't take</i>	SUPPORT <i>give give</i>	GREEDY <i>takes doesn't give</i>	CHARITABLE <i>gives doesn't take</i>
				
HANDSHAKE <i>overlapping hands</i>	REJECT <i>take down</i>			

CLOSE





There is no explanation for this sign. As you know by now it is a rule of NOBEL that all pictograms and ideograms of NOBEL have some, even if tangible, connection with the words they represent. The sign for CLOSE represents an “exception that confirms the rule”! We have briefly mention this and even indicated the sign for ADJACENT as *overlapping* CLOSE. We will now elaborate and introduce signs for closely related concepts to CLOSE.

	
AWAY	FAR
	
CLOSE	ASIDE





The three concepts ASIDE, FAR and AWAY have been selected as “opposites” of CLOSE, representing mirror reflections and inversion of the original sign. We can immediately use this relation of the four words in making a number of useful words:

			
CASH <i>close money</i>	SAVING <i>money aside</i>	INVESTMENT <i>money far</i>	TAX <i>money away</i>
			
CENTRAL <i>close to center</i>	TANGENTIAL <i>aside of center</i>	PERIPHERAL <i>far from center</i>	IRRELEVANT <i>away from center</i>

The same four signs can be combined in an overlapping mode giving:

	
REMOTE	DISTANT
	
ADJACENT	NEXT

By combining the same signs with the mathematical sign of EQUAL one obtains:

	
VARIOUS <i>equal away</i>	DIVERSE <i>far from equal</i>
	
AS, LIKE <i>closely equal</i>	SIMILAR <i>equal aside</i>

Finally we can emphasize the vertical side of the sign to give them additional meanings:

CLOSE <i>basic sign</i>	BEGINNING <i>emphasized close</i>	ORIGIN <i>beginning of beginning</i>

and
















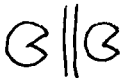
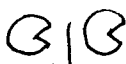


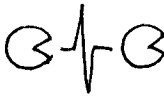





FAR	END <i>emphasized far</i>	LIMIT <i>end of end</i>




These signs can be combined with themselves and other signs as illustrated bellow:

SHORT <i>beginning close to end</i>	BEYOND <i>through limit</i>	START <i>move beginning</i>	DELICATE <i>as flower</i>	ROBUST <i>not delicate</i>
EXCISE <i>cut away</i>	UNLIMITED <i>without limit</i>	RELATIVE <i>close blood</i>	REPTILE <i>animal close to the ground</i>	TAIL <i>body end</i>
DISPLACE <i>push aside</i>	EXPEL <i>push far</i>	OUST <i>push away</i>	DISTANT RELATIVE <i>far blood</i>	

MOUTH

We depicted the word MOUTH by showing open mouth in profile that is very similar to the picture of “Pat man” in one of earlier computer games in which “mouth” move through a labyrinth and if possible feeds itself. Of course mouth appear also in the sign for SMILE and SAD but this particular shape makes possible combinations of the sign of mouth with various arrows simpler as is shown in list of word collected below:

				
MOUTH <i>basic sign</i>	SPEAK	QUIET <i>don't speak</i>	TACIT <i>speak & don't</i>	TELL
				
PRAISE <i>speak upward</i>	BLAME <i>speak downward</i>	GLORIFY <i>praise praise</i>	CONDEMN <i>blame blame</i>	MUTE <i>not speak</i>
				
LOUD <i>above speak</i>	SHOUT <i>above loud</i>	CRY <i>above shout</i>	WHISPER <i>below speak</i>	SING <i>mouth & music</i>
				
CONVERSE <i>mouth parallel mouth</i>	ARGUE <i>mouth against mouth</i>	VOICE <i>mouth & sound</i>	SPELL <i>speak alphabet</i>	LANGUAGE <i>signal between mouths</i>
				
PHONE <i>mouth & transmitting</i>	CHIN <i>lower part of mouth</i>	LIPS <i>outside mouth</i>	TONGUE <i>inside mouth</i>	BEAK <i>bird & mouth</i>






 SNOUT <i>mouth & pig</i>	 MESSENGER <i>mouth and legs</i>	 TALKING SIMULTANEOUSLY <i>overlapping mouth</i>		
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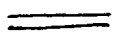





The Final Set of Signs and Arrows

There are still about two dozen basic signs that we have to introduce in order to complete the signs of Nobel. We will now list these signs and will briefly comment of some of the signs. This we will follow with a half dozen arrows that we have not yet introduced and in this way we will complete the list of signs used in Nobel.




The sign of CROSS has been used to indicate Christian religion, just as the signs of CRESCENT and the STAR OF DAVID were used when referring to ISLAM and JUDAISM, respectively. There are other religions that need to be recognized, including BUDDHISM and SHINTO, the native religion of Japan, for which we use SWASTIKA and TORI (Shinto gate), respectively. Of course we have not exhausted religions of the world and Nobel is open to adopt additional religious symbols providing they are chosen to fit with the general requirements of Nobel for novel signs.

The sign for DOCUMENT is depicted as somewhat bent sheet of paper (or parchment as documents used to be placed on). Another sign which has an obvious appearance is the sign for KEY, which also stands for ESSENTIAL, while the sign for LEAF has a shape of a particular leaf shape that is the same as the sign for “spade” in the standard deck of cards. The sign for LINE is shown as straight line. The sign for ROAD is shown as *horizontal* PARALLEL LINES. The sign for PALM, which although not used often are needed. We will now first present the above mentioned signs and will illustrate their use in a selection of combinations.





 ATTENTION FLAG	 BOMB	 CUP	 DOCUMENT	 ESSENTIAL KEY
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LINE	MINE	OPEN BOOK	PALM	ROAD
				
ROCKET	SEAL	SEQUOIA	STRIPES	VIRUS

Sequoia, (official name: *sequoia sempervirens*) is the tallest tree in the world, growing up to almost 380 feet (over 115 meters) and living over 2000 years – so it deserves its own recognition in Nobel! To the above signs we may add conventional signs




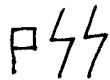





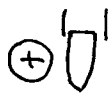
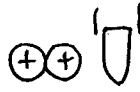







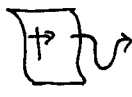




				
SWASTIKA <i>left</i>	SWASTIKA <i>right</i>	TORI		





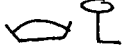



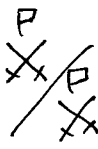

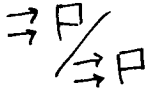







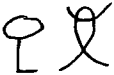



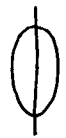


and additional arrows






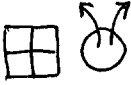
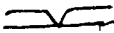



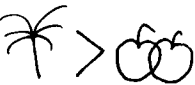

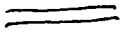



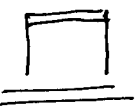

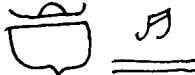
				
SIZE	SHAPE	LEFT	RIGHT	









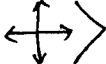

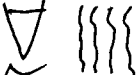


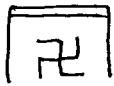




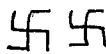

The sign for SIZE and SHAPE are the same, except for orientation. Both size and shape can be different in different directions but in order to differentiate between them we took the advantage of graphical writing, which allows different orientations of such signs.

Combinations of novel signs:

				
ATTENTION	ATTRACTION <i>lot of attention</i>	ALARM	WARNING <i>attention danger</i>	CAUTION <i>sudden attention</i>
				
SEXY <i>attention over sex</i>	SEX APEAL <i>attraction over sex</i>	AIDS <i>alarm over sex</i>		
				
BOMB	ATOMIC BOMB	HYDROGEN BOMB		
				
DOCUMENT	CONSTITUTION <i>basic document</i>	GRANT <i>money document</i>	LAW <i>justice document</i>	RULE <i>document with direction</i>
				
TREATY <i>overlapping documents</i>	EXCEPTION <i>avoids rule</i>	REGULARITY <i>soaked in rules</i>	ABOLISH <i>kill law</i>	WILL <i>"dying" document</i>
				
APPLICATION <i>in-document</i>	OFFER <i>out-document</i>			




 <p>ESSENTIAL</p>	 <p>NOT ESSENTIAL</p>	 <p>CAFFEINE <i>coffee essential</i></p>	 <p>ABSTRACT <i>text essential</i></p>	 <p>VITAMIN <i>food essential</i></p>
 <p>FLAG</p>	 <p>WIN <i>flag over battle</i></p>	 <p>LOSE <i>not win</i></p>	 <p>TIE <i>win and not win</i></p>	 <p>CLAIM <i>push flag</i></p>
 <p>PRETEND <i>claim and not claim</i></p>				
 <p>KEY</p>	 <p>LOCK</p>	 <p>LOCKED <i>under key</i></p>	 <p>UNLOCKED <i>key above</i></p>	 <p>LOCKER <i>locked/unlocked</i></p>
 <p>MASTER KEY <i>key above key</i></p>	 <p>KEYBOARD <i>key & alphabet</i></p>	 <p>KEYHOLE <i>key & hole</i></p>	 <p>KEYNOTE <i>key idea</i></p>	
 <p>LINE</p>	 <p>MIDDLE <i>vertical line</i></p>	 <p>SPINE <i>middle of body</i></p>	 <p>HALF <i>horizontal line</i></p>	 <p>BORDER <i>line between</i></p>

 <p>BORDER <i>line between countries</i></p>	 <p>ZONE <i>lines across country</i></p>			
 <p>MINE</p>	 <p>LANDMINE <i>land & mine</i></p>	 <p>SEA MINE <i>sea & mine</i></p>	 <p>MINEFIELD <i>field & mine</i></p>	
 <p>OPEN BOOK</p>	 <p>SCHOOL</p>	 <p>SECONDARY SCHOOL</p>		
 <p>PALM</p>	 <p>COCONUT <i>large fruit</i></p>	 <p>DATE <i>small fruit</i></p>		
 <p>ROAD</p>	 <p>BOULEVARD <i>road with trees</i></p>	 <p>MALL <i>people road</i></p>	 <p>PAVEMENT <i>legs road</i></p>	 <p>AVENUE <i>building & road</i></p>
 <p>STREET <i>house & road</i></p>	 <p>MARIACHI <i>Mexican road music</i></p>			

				
SEAL	SECRET <i>in sealed letter</i>	SECRET POLICE	SECRET SERVICE <i>secret defense</i>	PUBLIC KNOWLEDGE <i>secret not secret</i>
				
SHAPE	AMOEBA <i>cell without shape</i>			
				
SIZE	GREAT <i>big in all directions</i>			
				
STRIPES	ZEBRA <i>animal with stripes</i>	US FLAG <i>stars and stripes</i>		
				
SWASTIKA	BUDDHIST TEMPLE	BUDDHIST	BUDDHIST MONK	
				
SWASTIKA	NAZI	NAZISM	NEO-NAZI	

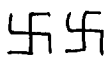



Let us point that there are two different swastikas. Let us refer to the swastika which is oriented in mathematically *positive* sense (that is anticlockwise), *positive* swastika. It is a symbol of Buddhism. And let us refer to the swastika which is oriented in mathematically *negative* sense (that is clockwise), *negative* swastika. One can refer to the two swastikas by less emotional labels, like the left swastika and the right swastika, respectively, but *positive* and *negative* are more descriptive. The *negative* swastika was the symbol of Nazi and stands for Nazi movement, which of course is associated with *negative* activities. By doubling the sign of negative swastika we obtain the sign for NAZISM. In contrast *positive* swastika is a symbol of *positive* aspirations of Buddhism, a religion of central and eastern Asia, including India, China and Japan, developing from the teaching of Siddhartha Guatama, known as Buddha (Enlightened One), living about 500 years before Christ. According to Buddha perfect enlightenment (Nirvana) is achieved by mental and morel purification, which can free people from suffering, which is part of the life.

By doubling the sign of swastika we obtain sign for BUDDHISM, and similarly by doubling the corresponding symbols for other major religions we obtain their signs. Thus by doubling the CRESCENT we obtain the sign for ISLAM; by doubling the STAR OF DAVID we obtain the sign for JUDAISM; and by doubling the CROSS we obtain the sign for CHRISTIANITY:

 ISLAMISM	 JUDAISM	 CHRISTIANITY
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In a same fashion an in parallel with NAZISM we can obtain signs for other extreme political systems. Thus by doubling the sign of SICKLE AND HAMMER we obtain the sign for COMMUNISM. We need a sign for FASCISM, another extremist movement that started in 1920's by Mussolini in Italy, which got its name from "fasces" a bundle of rods bound together including an axe, which was in Roman time the symbol of magistrates. However, drawing fasces, which became the symbol of Fascists, is somewhat involved, so we decided just to use in Nobel two axes as a sign for FASCISM. Nazism, Communism and Fascism are more recent scourges of our civilization but by no means exhaust the sources of the misery brought to humanity by extreme ideological systems in more recent time as well as in the past. We may add and end out list with notorious Inquisition or medieval Roman Catholic Church, which used torture and secret denunciations against its opponents. Among its victims one finds Galileo Galilei (1564-1642), who spent part of his life in house arrest, for adhering to Heliocentric system of Nicolas Copernicus (1473-1543) and Johannes Kepler (1571-1630). Even though Galileo

had to denounce his views legend attributed to him the famous statement “*E pur si muove*” (And yet it moves) – that is the Earth is not in the center of Universe. His contemporary Giordano Bruno (1548-1600), philosopher, and according to Church, heretic, who among other contributions has also interested in relationship of geometry and languages, was burned by Inquisition. So we may symbolize terrorism of Inquisition by doubling the sign of torch, to be thus remained of 17th February 1960, when Giordano Bruno, a martyr of science, was burned at the stake in the center of Rome. After hearing the death sentence he replied: “Perhaps you, the judges, pronounce this sentence against me with greater fear than I receive it.” The sign for INQUISITION will remind us of the price paid by those who resist oppression.



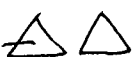
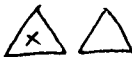


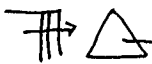
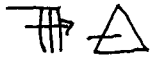







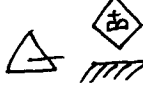


				
NAZISM	COMMUNISM	FASCISM	INQUISITION	

Doubling symbols in order to obtain signs for religions and political movements is not a novelty in Nobel. We have already seen similar doubling of crossed swords, a symbol for battle, as signs for military and police.

We have seen earlier the signs for SALT and PEPPER represented as the signs for WHITE and BLACK POWDER. The signs for white and black appeared as an EMPTY TRIANGLE and a FULL TRIANGLE. These two signs need some explanation. As many readers know the color spectrum was first time shown when Newton let sun ray to fall on a prism, which dispersed colors as we see them in the sky on a sunny day after a rain in a rainbow. The story is that Newton had some money to buy a ring and get married but by passing a store he bought a prism rather than rings and made experiments on light spectra, and get married with science rather with a girl! Be as it may we will use triangle as a simplified figure of a prism and will construct signs for colors in this way. The order of colors in a spectrum is: RED, ORANGE, YELLOW, GREEN, BLUE and VIOLET, which we will respect and use to get signs for the six colors as follows:






					
RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET



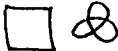
BLACK and WHITE are then shown as all colors or FULL TRINAGLE, and no color, or EMPTY TRIANGLE. With the color signs we can create few additional words:

					
BLACK	WHITE	PINK <i>red & white</i>	GREY <i>black & white</i>	PENCIL <i>black on white</i>	CHALK <i>white on black</i>
					
UV <i>beyond violet</i>	IR <i>beyond red</i>	PALE <i>white and not white</i>	DARK <i>black and not black</i>	BROWN <i>ground color</i>	COLOR <i>all colors</i>
					
RUBY <i>red jewel</i>	EMERALD <i>green jewel</i>	SAPPHIRE <i>not red jewel</i>	AMETHYST <i>violet jewel</i>	AQUA-MARINE <i>blue jewel</i>	QUARTZ <i>transparent stone</i>

Here UV stands for ULTRAVIOLET rays that darken, and in fact harm your skin, and IR stands for INFRARED light, the part of spectrum that offer heat. Beyond UV comes X-ray for which we have alternative sign of HARD RADIATION and beyond IR is MICROWAVE for which we have alternative sign of SOFT RADIATION. The electromagnetic spectrum extends beyond x-rays to gamma rays and beyond microwave to radar and radio waves, which have to be considered separately.





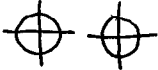
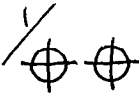









There are number of signs based on SQUARE and many more based on CIRCLE, a number of which we have already seen. Let us first show few signs based on square, some of which we have already seen:









				
SQUARE	BOX	SQUARE DANCE	BULLDOG <i>square face dog</i>	BULLFROG <i>square face frog</i>

				
GIFT	CORNER <i>part of square</i>	SQUARE KNOT		

We could have additional signs for words using “square” as descriptor, words like “square meal” for “a filling and nourishing food,” but we have to realize that this is an idiom of American (English) language, that is, a “fixed expression with non-literal meaning,” and that in other languages may mean nothing or even be source of confusion. In order to appreciate this considers literal translations of idioms from other languages into English and you will see that they may convey confusing information. The same to a degree is true of some folk sayings that ought not to be literary translated. Thus for instance English saying: “*Who lives in a glass house should not throw a stone*” is equivalent to Croatian saying: “*Who has butter over his/her head should not go on sun.*” Clearly, with English whether, fog and rain, peasants going to the market (to sell butter) need not worry much about sun, but in continental part of Croatia sun can be oppressive in summer and butter will melt before you reach the market, if not protected.





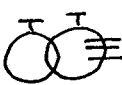





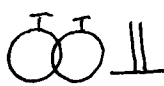
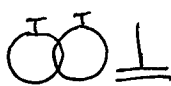
The sign of circle appears in various combinations, some of which we will list below:

				
CIRCLE	MIDDLE	CENTER	SUN <i>above & below</i>	MAIN <i>center center</i>
				
PETTY <i>not center center</i>	CENTRAL <i>close to center</i>	TANGENTIAL <i>aside center</i>	PERIPHERAL <i>far from center</i>	IRRELEVANT <i>away from center</i>
				
IN	OUT	INPUT	OUTPUT	THROUGH

				
ATOM	CELL	ION	INSIDE	OUTSIDE
				
FORBIDDEN	VETO	TABOO		




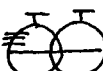
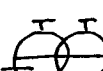
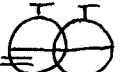
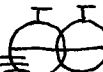
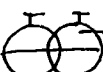



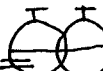

Days, Months, Years

Now that we settled the signs for the bass colors of the rainbow let us show how the days of the week and the months of the year are designated in NOBEL. We start with the days of the week:

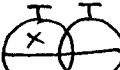
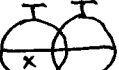

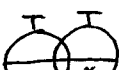
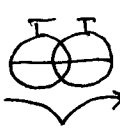
				
DAY <i>overlapping time</i>	MONDAY <i>first day</i>	TUESDAY <i>second day</i>	WEDNESDAY <i>third day</i>	THURSDAY <i>fourth day</i>
				
FRIDAY <i>fifth day</i>	SATURDAY <i>sixth day</i>	SUNDAY	WEEK <i>overlapping days</i>	WEEKEND
				
WORK DAY <i>vertical day</i>	HOLLIDAY <i>horizontal day</i>			

As one sees the second part of the week is counted backward from the Saturday. Sunday is show as being “between” (or a “transition from”) Saturday and Monday. Justification for using “vertical” and “horizontal” to indicates the working day and the holiday is in part that on working day you have to be standing up (and working), hence being “vertical”; while on holidays you may stay in your bad, being “horizontal.”





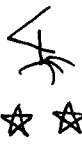




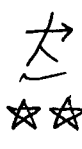



In a similar manner we can indicate the months of the year using the sign for YEAR which is depicted as “overlapping seasons,” and the sign for SEASON is that of a “global time,” hence a superposition of a GLOBE (circle with equator line) and the sign for TIME (basic sign).

 <p>YEAR <i>overlapping seasons</i></p>	 <p>JANUARY <i>first month I</i></p>	 <p>FEBRUARY <i>second month I</i></p>	 <p>MARCH <i>third month I</i></p>	 <p>APRIL <i>first month II</i></p>
 <p>MAY <i>second month II</i></p>	 <p>JUNE <i>third month II</i></p>	 <p>JULY <i>first month III</i></p>	 <p>AUGUST <i>second month III</i></p>	 <p>SEPTEMBER <i>third month III</i></p>
 <p>OCTOBER <i>first month IV</i></p>	 <p>NOVEMBER <i>second month IV</i></p>	 <p>DECEMBER <i>third month IV</i></p>		

The Roman numeral I-IV bellow each month indicates the quarters of the year. The sign for year has four half-circle sections, which we use to indicate the four quarters (see below), and each quarter is used to count the corresponding months. We included as additional the sign for LEAP YEAR as JUMPING YEAR, as it occurs every four years:


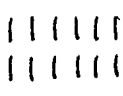
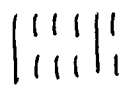
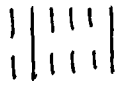


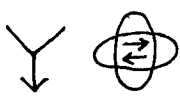

 <p>FIRST QUARTER</p>	 <p>SECOND QUARTER</p>	 <p>THIRD QUATER</p>	 <p>FOURTH QUOTER</p>	 <p>LEAP YEAR</p>
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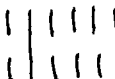
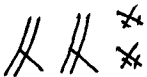
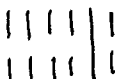


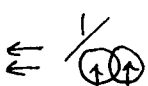


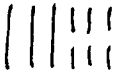
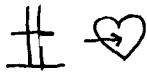


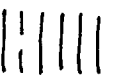


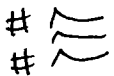
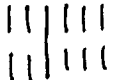

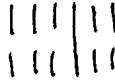





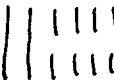

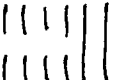


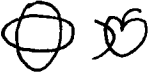
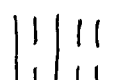

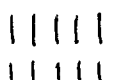

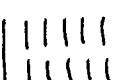

Finally let us add signs for the twelve constellations that form Zodiac, the signs that play the visible role in Astrology, which unfortunately appears to be more popular subject than it deserves:

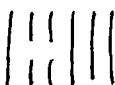

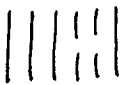

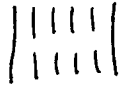



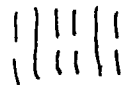


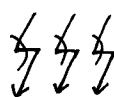
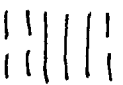
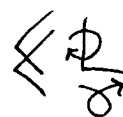
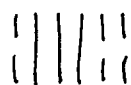

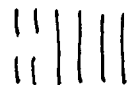

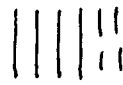
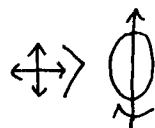
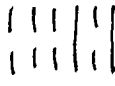

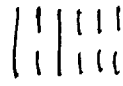
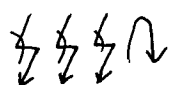

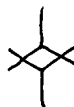
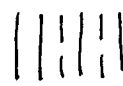

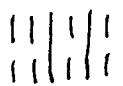
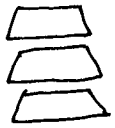

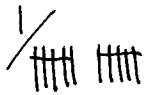
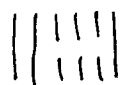

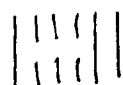

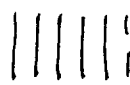

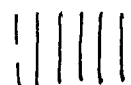

 ZODIAC	 ARIES <i>fire</i>	 TAURUS <i>bull</i>	 GEMINI <i>twins</i>	 CANCER <i>crab</i>
 LEO <i>lion</i>	 VIRGO <i>virgin</i>	 LIBRA <i>balance</i>	 SCORPIO <i>scorpion</i>	 SAGITTARIUS <i>archer</i>
 CAPRICORN <i>goat</i>	 AQUARIUS <i>water & person</i>	 PISCES <i>fish</i>		



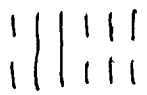
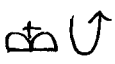
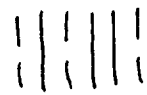

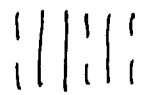

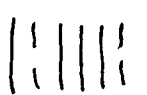


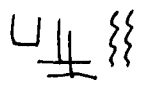
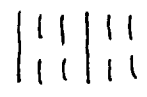
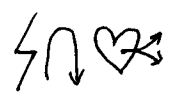
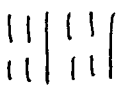

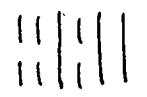
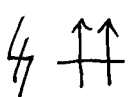
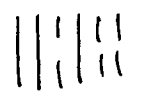

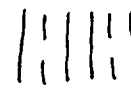
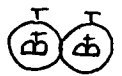
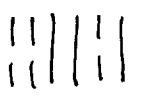

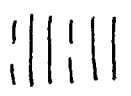

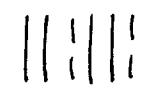
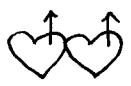
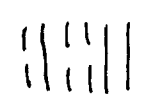

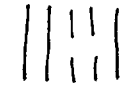
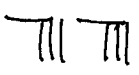
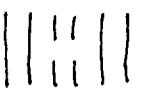

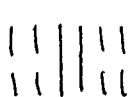
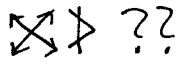
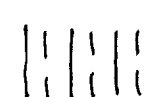

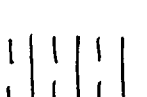
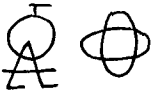
I CHING

Now that we sunk into mysticism we will continue with the wisdom of old Chinese tradition as reflected in a classic of religious literature, the 64 hexagrams of *I Ching*, one of the world's oldest books. We displayed all the 64 hexagrams with their titles.

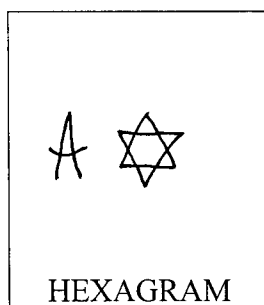
I CHING	 THE ORIGIN	 SUCCESS	 BIRTH PANGS	 REBELLIOUS YOUTH
	 1	 2	 3	 4

 <p>PATIENCE</p>  <p>5</p>	 <p>CONTENTION</p>  <p>6</p>	 <p>THE ARMY</p>  <p>7</p>	 <p>UNITY</p>  <p>8</p>	 <p>HOLDING BACK THE LESS ABLE</p>  <p>9</p>
 <p>WALKING CAREFULLY</p>  <p>10</p>	 <p>BENEVOLENCE</p>  <p>11</p>	 <p>OBSTRUCTION</p>  <p>12</p>	 <p>COMPANIONS</p>  <p>13</p>	 <p>MANY POSSESSIONS</p>  <p>14</p>
 <p>MODESTY</p>  <p>15</p>	 <p>ENTHUSIASM</p>  <p>16</p>	 <p>ACCORDING OR AGREEING WITH</p>  <p>17</p>	 <p>DECAY</p>  <p>18</p>	 <p>TO DRAW NEAR</p>  <p>19</p>
 <p>EXAMINE</p>  <p>20</p>	 <p>BITING THROUGH</p>  <p>21</p>	 <p>TO ADORN</p>  <p>22</p>	 <p>PEELING OR SPLITTING</p>  <p>23</p>	 <p>RETURN</p>  <p>24</p>

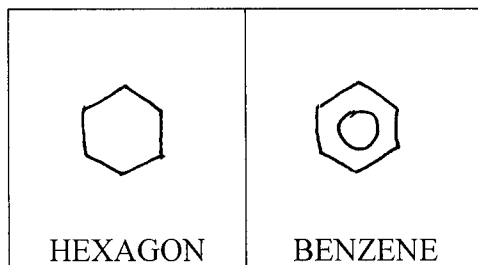
 NOT FALSE  25	 GREAT DOMESTICATING POWERS  26	 TAKING NOURISHMENT  27	 GREAT EXPERIENCE  28	 THE WATERY DEPTH  29
 TO SHINE BRIGHTLY, TO PART  30	 ALL- EMBRACING  31	 CONSTANT  32	 TO HIDE  33	 GREAT STRENGTH  34
 TO ADVANCE  35	 BRIGHTNESS DIMMED  36	 THE FAMILY  37	 OPPOSITION  38	 OBSTRUCTION  39
 LET LOOSE  40	 INJURED  41	 INCREASE  42	 NEW OUTCOME  43	 TO MEET  44

 <p>TO COLLECT</p>  <p>45</p>	 <p>RISING UP</p>  <p>46</p>	 <p>TO SURROUND AND WEAR OUT</p>  <p>47</p>	 <p>THE WELL</p>  <p>48</p>	 <p>CHANGE</p>  <p>49</p>
 <p>THE COOKING POT</p>  <p>50</p>	 <p>SHOCK</p>  <p>51</p>	 <p>RESTING</p>  <p>52</p>	 <p>GRADUAL DEVELOPMENT</p>  <p>53</p>	 <p>MARRYING THE YOUNGER SISTER</p>  <p>54</p>
 <p>PROSPERITY</p>  <p>55</p>	 <p>THE TRAVELER</p>  <p>56</p>	 <p>GENTLE AND YIELDING</p>  <p>57</p>	 <p>HAPPINESS</p>  <p>58</p>	 <p>SCATTERED</p>  <p>59</p>
 <p>LIMITATIONS</p>  <p>60</p>	 <p>INNER CONFIDENCE</p>  <p>61</p>	 <p>MINOR PROBLEMS</p>  <p>62</p>	 <p>ALREADY DONE</p>  <p>63</p>	 <p>NOT YET DONE</p>  <p>64</p>

As we shown we were able to design Nobel sings for all 64 hexagrams, except for the word hexagram itself. But there is no problem here. Hexagram is *geometrical* object having the shape of a six-pointed star, which consists of two intersecting equilateral triangles of the same size (i.e., congruent) having common center and parallel sides and it looks like STAR OF DAVID, the symbol of Judaism. Thus to get the sign for hexagram we combine the signs for COMPASS (that signifies geometry) and the STAR OF DAVID:



In contrast regular hexagon has six sides all of equal size and all angles being equal. It is the shape that bees use in building their hives and the smallest hexagon is the chemical structure of MOLECULE of BENZENE C_6H_6 :



We have depicted benzene in a way that a doyen of benzenoid chemistry, the late Professor Eric Clar, advocated: regular hexagon with inscribed circle. The circle symbolized *electrons* which in benzene and related compounds are delocalized, and move around the whole hexagon. In contrast electrons forming the usual chemical bonds in saturated compounds tend to be formally localized to individual chemical bonds.

Some hexagram “titles” of I Cheng are simple and we have seen the corresponding signs before, but some titles are more challenging. One of the reasons to include these 64 hexagrams is just to draw attention to readers that signs can always be constructed but they may not offer the best illustration for the concepts considered. So it is an art to balance the urge to invent a sign or find a suitable combination of signs with the critical evaluation of the quality of the sign, from the point of view how close it relates to the concepts involved, how easy is to reproduce it, and how easy will be to remember it. Suppose we use 1-3 to grade for the quality of signs, by assigning the grade “3” to indicate that we feel a sign is quite satisfactory; grade “2” if sign is plausible and acceptable although not as good as the signs having grade “3”; and the

grade “1” if one feels that the sign is somewhat arbitrary or having decreasing visual and esthetic qualities. Such sign can even be viewed as a temporary solution, but until we get something better to replace them they may remain useful. Finally one should assign the value “0” to signs that one find unsatisfactory, not good, and one feels that they ought to be discarded.










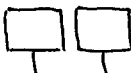




















Reader may now go back to the 64 hexagrams and evaluate them individually. The maximal score would be 192, if all hexagrams are evaluated by grade “3.” An intermediate grade of 128 would indicates an average of the grades 3, 2, and 1, while a low sum of 64 would result if one is equally unhappy with each of the hexagram signs. The score could go even lower, in one or more signs are found utterly unacceptable and got score “0.” Just as instructors at colleges and universities in the United States are evaluated by the students near the end of the course, here readers have an opportunity to evaluate the transcription of I Cheng into Nobel. Instead of 192, 128 and 64 as boundaries of the “outstanding,” “fair,” and “mediocre” more realistic numbers could be 150, 100 and 50. Since I, as the author, am not likely to here your critical examinations and arguments in favor or against, you may share your scores with your friends or your members of family and argue among themselves to convince them in your judgments. But more constructive would be to come with better solutions for the cases that appear unsatisfactory.

I should add that I am not necessarily satisfied with all the signs that so far presented in Nobel, but after working on Nobel for close to 25 years there comes a time when perfection has to be sacrificed expediency. Otherwise there will be no end in sight. I hope that the future, with possible interest and involvement of others, will bring further improvements to Nobel. I do, however, believe that there is a *core of signs*, to which I refer as “*The Best of Nobel*,” to which I would assign the grade “3” that will survive criticisms and which ought to be viewed to represent “the spirit” of Nobel. Let us list below a fraction of these signs not only to refresh the form of the signs that we have seen before but also as a guidance to readers of Nobel to show how novel signs and combinations of signs of Nobel ought to be shaped. We have mentioned at the very beginning of this book, in the introduction to Nobel, the very desirable features of Nobel:




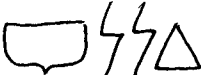



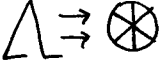
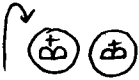



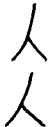
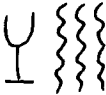
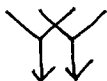
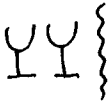






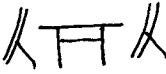
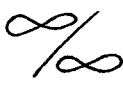





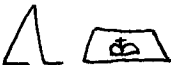
- (1) Close association between the sign and what it represents;
- (2) Simplified forms that are easy to be reproduced;
- (3) Pictorial forms that are easy to be recognized.

The above three requirements may be viewed as “materialistic” or pragmatic. To this we may now add a “spiritual” component or idealistic component to be incorporated into Nobel when possible, which will elevate the quality of Nobel by associating with Nobel, if we may say so, some literary or poetic content. As illustration we listed a selection of over 320 out of some three thousand signs that have appeared in this book that may deserve the label “The Best of Nobel” signs. They are shown on next pages, and are described on pages that follow this short Dictionary of the Best of Nobel. All the signs shown have been already introduced, and thus this “exhibition” may serve to remind readers of what they by now know or could know.


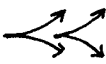
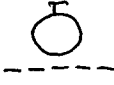
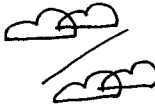

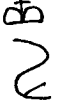













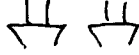

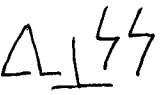
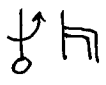




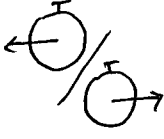


1-30

				
ABDICATE	ABORTION	ABOUT	ABSURD	ABUNDANCE
				
ACCOUNT	ADDICT	ADJACENT	ADVENTURE	ADVERTISE
				
AIR	ALCOHOLIC	ALL	ALREADY	AMBIGUOUS
				
AMBITION	AMPUTATION	ANACONDA	APPOINT	APPOINTMENT
				
ARCHAIC	ARGUE	ARSON	ARTIFICIAL	ATMOSPHERE
				
ATTRACTIVE	AUSTRALIA	AUSTRO-HUNGARY	AUTOPSY	AWKWARD

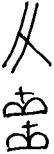


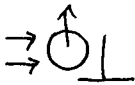



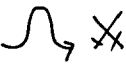
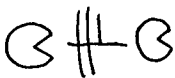


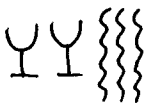


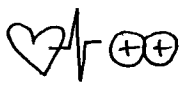







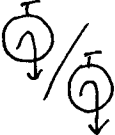



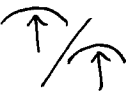

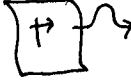
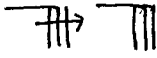
31 - 60

				
BACK	BEAUTIFUL	BEER	BERMUDA	BEVERAGE
				
BEYOND	BIBLE	BICYCLE	BINGO	BIOPSY
				
BLEEDING	BONE	BOSS	BRANDY	BREEDING
				
BREWERY	BRIBE	BRILLIANT	BROWSE	BUBBLE
				
BUDGET	BULLDOG	BUREAU-CRACY	CALCULUS	CANCER
				
CANDID	CANOPY	CERTAIN	CESAREAN	CHALLENGE









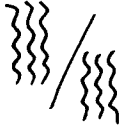








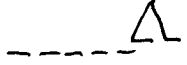




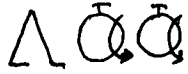
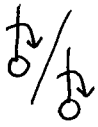






61 – 90

				
CHARACTER	CHOOSY	CHRONO- LOGY	CLIMATE	COALITION
				
COBRA	COLUMBIA	COMMON GRAVE	COMPLETE	CONDOR
				
CONFEDERATION	CONNECTION	CONSTANT	CONSTELLATIONN	CONSTITUTION
				
CONTEMPORARY	CONTRADICTION	CONVERSATION	CONVULSION	CONVOY
				
CORRESPONDENCE	COURAGE	COZY	CRAFT	CRITICAL
				
CROOK	CUBA	DEADLINE	DEEP	DELICATE









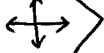







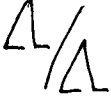

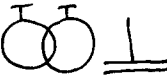
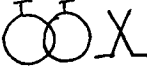









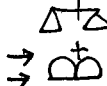
91 – 120

				
DEMOCRACY	DEMOCRATS	DESPITE	DETER	DIARRHEA
				
DIET	DIGEST	DIPLOMACY	DISCUSS	DISHARMONY
				
DISTANT	DISTILLERY	DIVERSE	DIVORCE	DNA
				
DRUGS	DUPLEX	DURING	ELEGANT	EMBAR- RASSED
				
EMOTION	EMPIRE	ENDAN- GERED	ENEMY	ENOUGH
				
EROTIC	ESTIMATE	EVENT	EXCEPTION	EXCESSIVE









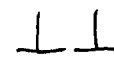
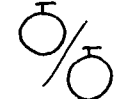




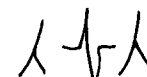




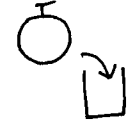
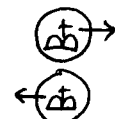


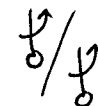



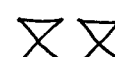

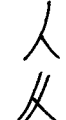
121 - 150

				
EXCUSE	EXECUTION	EXIST	EXPECT	EXTINGUISH
				
EXTRA-VAGANT	EXTREME	FACT	FALSE ALARM	FAMILY
				
FAMOUS	FATE	FEDERATION	FEVER	FICTION
				
FLAMINGO	FOCUS	FOOTPRINT	FOR	FOREST
				
FOX	FREQUENCY	FREQUENTLY	FRESH	FRIEND
				
FRIGID	FRONT	FRUIT	FRUSTRATED	FUTURE



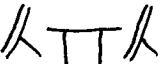

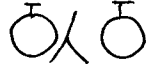

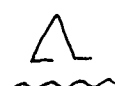




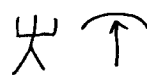
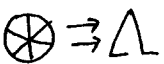
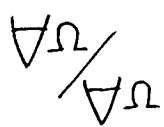
















151 - 180

				
GALAXY	GAMBLE	GANG	GHOST	GIFT
				
GLASS	GLUE	GOOD BYE	GREAT	GUILTY
				
HEAVEN	HAIKU	HARMONY	HEAT	HELP
				
HEMOPHILIA	HESITATE	HIDE	HOLIDAY	HOLIDAY
				
HONESTY	HONEY	HONEYMOON	HOSTILITY	HUMANITY
				
IDENTICAL	IDENTICAL TWINS	IDIOT	IMITATE	IMPEACH







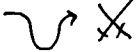
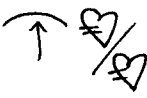


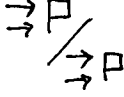

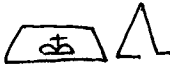
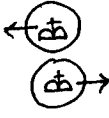
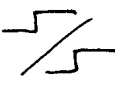
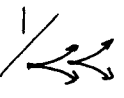

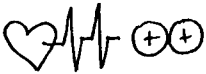

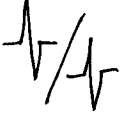
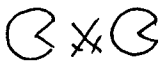






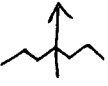


181 - 210

				
IMPOSSIBLE	INCOMPAT- IBLE	INCUBATION	INDEED	INDUSTRY
				
INFECTED	INFECTIOUS	INFLAM- MATION	IN SPITE OF	INSTANT
				
INSTRUC- TIONS	IOWA	JOKE	KISS	LANGUAGE
				
LET	LIE	LIFE	LIVING	LOITER
				
LOSS	LOYAL	LUGGAGE	LUKEWARM	MAGIC GLUE
				
MAIN	MAKE LOVE	MARKET	MASK	MASTER











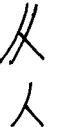


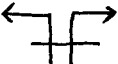

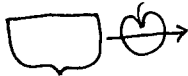


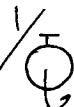







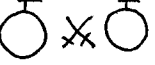


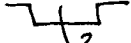
211 - 240

				
MAYBE	MEAT	MEETING	MEXICO	MIDDLE AGED
				
MIDDLE CLASS	MIRACLE	MIRROR	MODERATE	MODERN
				
MORE	MORE THAN ENOUGH	MOTORBIKE	MULE	MUSCLE
				
MUST	NATION	NATURAL	NEIGHBORHOOD	NEWS
				
NOBEL PRIZE	NO SMOKING	NOT GUILTY	NOW AND THEN	OBESE
				
ODDS	OLD	ORDER	PARTY	PAST

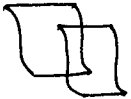









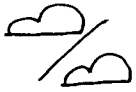
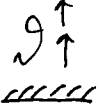

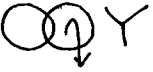


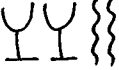



241 - 270

				
PENGUIN	PERMANENT	PHILOSOPHY	PIG	POEM
				
POISON	POLITICS	POLYGRAPH	PORNOGRAPHY	PREGNANT
				
PRETEND	PRETTY	PRIVILEGE	PROFIT	PROOF
				
PROMISCUOUS	PROSTITUTE	PROTEIN	PUBERTY	QUALITY
				
QUARREL	RAPE	REASON	RECEPTION	REPUBLICANS
				
RIPE	ROBUST	RODENT	ROOT	SANDWICH

271 - 300

				
SATISFIED	SCAR	SEASON	SENSITIVE	SHALLOW
				
SIMULTA- NEOUS	SINGLE	SIT	SKELETON	SKY
				
SLAVE	SPECULA- TION	SPEED	STRAIGHT	SUCCESS
				
SWITZER- LAND	TAX	TEENAGER	TEMPORARY	TEMPTATION
				
TEXAS	TEXTBOOK	THICK	THIN	TIBET
				
TIMBER	TIME CONFLICT	TOOL	TRADITION	TRAP

301 - 320

				
TREATY	TRIFLE	TRUST	TWINS	UNIQUE
				
UNITED NATIONS	UNTANGLE	VACATION	VALUE	VIRGIN
				
WEATHER	WEED	WELCOME	WIDOW	WILL
				
WINE	WINERY	WOOD	WORKDAY	YOUNG

We could continue, but these 300 signs should suffice for the time. Explanations for the signs illustrated are shown below. Words are grouped in set of ten for easier inspection and search. We will make comments on very few of these signs only, in a way because most can be understood without discussion.

1 – 10

ABDICATE = CROWN INTO BASKET

ABORTION = STOP BIRTH

ABOUT = CLOSE AROUND

ABSURD = AGAINST REASON

ABUNDANCE = OVERLAPPING FRUIT
 ACCOUNT = MONEY PATH
 ADDICT = HOOKED BODY
 ADJACENT = OVERLAPPING CLOSE
 ADVENTURE = FRICTION ON TRAVEL
 ADVERTISE = LOT OF POSTERS

11- 20

AIR = OVERLAPPING ABOVE THE GROUND
 ALCOHOLIC = HOOKED ON GLASS
 ALL = INWARD AND OUTWARD
 ALREADY = TIME HAS COME
 AMBIGUOUS = SMILE AND CRY AT THE SAME TIME
 AMBITION = TOO MANY GOALS AHEAD
 AMPUTATION = CUTTING PART OF BODY
 ANACONDA = EMPEROR SNAKE
 APPOINT = AUTHORITY CHOOSES
 APPOINTMENT = OFFICIAL TIME

21 - 30

ARCHAIC = JUMPING OUT OF TIME
 ARGUE = MOUTH AGAINST MOUTH
 ARSON = ILLEGAL FIRE
 ARTIFICIAL = OVERLAPPING OVALS
 ATMOSPHERE = OVERLAPPING AIR
 ATTRACTIVE = LOVELY BODY
 AUSTRALIA = DOWN UNDER
 AUSTRO-HUNGARY = DUAL MONARCHY
 AUTOPSY = CUTTING DEAD BODY
 AWKWARD = CUMBERSOME HEART

31 - 40

BACK = PART OF BODY NOT SEEN
 BEAUTIFUL = FOR PICTURE
 BEER = GLASS & SMOKE
 BERMUDA = STATE PART OF DANGER TRIANGLE
 BEVERAGE = COFFEE AND TEA
 BEYOND = THROUGH LIMIT
 BIBLE = BASIC BOOK
 BICYCLE = LEGS PUSH WHEEL
 BINGO = GAMBLE & LOT OF MONEY
 BIOPSY = CUTTING DETAIL OF BODY

41 - 50

BLEEDING = LOT OF BLOOD
 BONE = HARD INSIDE BODY
 BOSS = PERSON ABOVE PERSON
 BRANDY = GLASS & FIRE
 BREEDING = OVERLAPPING BIRTHS
 BREWERY = LOT OF BEAR
 BRIBE = ILLEGAL MONEY
 BRILLIANT = CUT DIAMOND
 BROWSE = JUMP THROUGH BOOK
 BUBBLE = AIR UNDER WATER

51 - 60

BUDGET = MONEY FRICTION
 BULLDOG = SQUARE FACE DOG
 BUREAUCRACY = PEOPLE AROUND DESK
 CALCULUS = INFINITE AND INFINITESIMAL
 CANCER = UNCONTROLLED CELL DIVISION
 CANDID = OPEN HEART (HART ON TABLE)
 CANOPY = FOREST TOP
 CERTAIN = TOSS APPLE FOR CERTAIN IT WILL FALL ON THE GROUND
 CESAREAN = CUTTING PREGNANT
 CHALLENGE = SILVER AHEAD

61 -70

CHARACTER = HEARTH PATH
 CHOOSY = CHOOSE CHOOSE
 CHRONOLOGY = TIME PATH
 CLIMATE = WEATHER WEATHER
 COALITION = GOVERNMENT AND OPPOSITION
 COBRA = KING VIPER
 COLUMBIA = COUNTRY OF MOUNTAIN COFFEE
 COMMON GRAVE = OVERLAPPING GRAVE
 COMPLETE = BODY AND MIND
 CONDOR = MOUNTAIN RANGE BIRD

71 - 80

CONFEDERATION = WEAKLY OVERLAPPING STATES
 CONNECTION = OVERLAPPING HOOKS
 CONSTANT = CROSSED CHANGE
 CONSTELLATION = LOT OF STARS
 CONSTITUTION = BASIC DOCUMENT

CONTEMPORARY = TOUCHING TIME
 CONTRADICTION = HORIZONTAL AND VERTICAL AT THE SAME TIME
 CONVERSATION = PARALLEL TALK (AGREEABLE MOUTHS)
 CONVULSION = DANGER INSIDE BODY
 CONVOY = LOT OF SHIPS

81 - 90

CORRESPONDENCE = OVERLAPPING LETTERS
 COURAGE = WALK AGAINST DANGER
 COZY = WARM & COMFORTABLE (COMFORT IS IMPLIED BY ARMCHAIR)
 CRAFT = ART AND NO ART
 CRITICAL = LIFE OR NO LIFE, THAT IS, A MATTER OF LIFE OR DEATH
 CROOK = ILLEGAL PERSON
 CUBA = COUNTRY OF (BEST) CIGARS
 DEADLINE = BEFORE NOT LATER
 DEEP = LEGS UNDER WATER
 DELICATE = AS FLOWER

91 - 100

DEMOCRACY = PEOPLE ABOVE GOVERNMENT
 DEMOCRATS = WE THE PEOPLE
 DESPITE = AGAINST ABOVE AGAINST
 DETER = ACT AGAINST
 DIARRHEA = TOO MUCH EXCRETION
 DIET = FOOD AND NO FOOD
 DIGEST = TAKE FOOD & EXCRETE
 DIPLOMACY = AVOID BATTLES
 DISCUSS = CONVERSE AND ARGUE
 DISHARMONY = PERPENDICULAR HEARTS

101 - 110

DISTANT = OVERLAPPING FAR
 DISTILLERY = LOT OF BRANDY
 DIVERSE = DISTANTLY EQUAL
 DIVORCE = CUT MARRIAGE
 DNA = MOLECULE OF LIFE
 DRUGS = POISON POISON
 DUPLEX = FUSED (TOUCHING) HOUSES
 DURING = TIME IN BETWEEN
 ELEGANT = NOT CUMBERSOME
 EMBARRASSED = COMPLEX HEART

111 - 120

EMOTION = HEART CHOICE
 EMPIRE = COUNTRY ABOVE COUNTRY
 ENDANGERED = EXTINGUISH AND NOT EXTINGUISH
 ENEMY = PERSON HATED
 ENOUGH = STOP THE SCALE
 EROTIC = INSIDE KISS
 ESTIMATE = MEASURE AND NOT MEASURE
 EVENT = SPACE AND TIME
 EXCEPTION = AVOID RULE
 EXCESSIVE = BEYOND LIMIT

121 - 130

EXCUSE = PLEASE - THANKS
 EXECUTION = LEGAL KILL
 EXIST = TOSSED IN TIME
 EXPECT = THINK COMING
 EXTINGUISH = KILL FIRE
 EXTRAVAGANT = WASTING MONEY
 EXTREME = TOP AND BOTTOM OF MOUNTAIN
 FACT = HOOKED IN THE GROUND (THAT IS, HAVING A FIRM BASIS)
 FALSE ALARM = FIRE NOT FIRE
 FAMILY = OVERLAP OF MALE AND FEMALE

131 - 140

FAMOUS = ABOVE GLOBE
 FATE = TIME CHOOSES
 FEDERATION = STRONGLY OVERLAPPING STATES
 FEVER = FIRE IN BODY
 FICTION = HOOKED IN CLOUDS (THAT IS, NOT HAVING FIRM BASIS)
 FLAMINGO = BIRD & FLAME
 FOCUS = MERGE INTO BRAIN
 FOOTPRINT = PATH BEHIND LEGS
 FOR = AGAINST AGAINST
 FOREST = LOT OF WOOD

141 - 150

FOX = ANIMAL WITH DOUBLE FACE
 FREQUENCY = RECIPROCAL OF TIME
 FREQUENTLY = COMING OFTEN
 FRESH = COLD AND NOT COLD
 FRIEND = PERSON LIKED

FRIGID = NOT KISSING
 FRONT = PART OF BODY WE SEE
 FRUIT = OVERLAPPING APPLES
 FRUSTRATED = COMPLICATED HEART
 FUTURE = TIME AHEAD

151 - 160

GALAXY = LOT OF CONSTELLATIONS
 GAMBLE = TOSS COIN
 GANG = ILLEGAL TEAM
 GHOST = WITHOUT BODY
 GIFT = BOX FROM LOVE
 GLASS = HARD TRANSPARENT
 GLUE = LIQUID WITH HOOK
 GOOD BYE = HEART BEHIND LEGS
 GREAT = BIG IN ALL DIRECTIONS
 GUILTY = JUSTICE & DOWN ARROW

161 - 170

HEAVEN = ABOVE SKY
 HAIKU = JAPAN'S POEM
 HARMONY = PARALLEL (AGREEING) HEARTS
 HEAT = ABOVE FIRE
 HELP = GIVE HAND
 HEMOPHILIA = LOT OF BLEEDING
 HESITATE = GO OR NOT GO
 HIDE = SET UNDER COVER
 HOLIDAY = HORIZONTAL DAY
 HOLIDAY = DAY TO RELAX

171 - 180

HONESTY = STRAIGHT TRUTH
 HONEY = SWEET SWEET LIQUID
 HONEYMOON = SWEET SWEET TRAVEL
 HOSTILITY = LOT OF HATE
 HUMANITY = PEOPLE AROUND THE WORLD
 IDENTICAL = COMPLETELY EQUAL
 IDENTICAL TWINS = TOUCHING TWINS
 IDIOT = FACE AND NO BRAIN
 IMITATE = COPY BEHAVIOR
 IMPEACH = AUTHORITY UNDER JUSTICE

181 - 190

IMPOSSIBLE = WORK WITHOUT WORK (ENERGY)
 INCOMPATIBLE = FRICTION IN BED
 INCUBATION = SMOKE IN BODY
 INDEED = TRUE TRUE
 INDUSTRY = OVERLAPPING FACTORIES
 INFECTED = ILLNESS JUMPING IN
 INFECTIOUS = ILLNESS JUMPING OUT
 INFLAMMATION = FLAME IN BODY
 IN SPITE OF = AGAINST AGAINST
 INSTANT = TIME IS NOT TIME

191 - 200

INSTRUCTIONS = OVERLAPPING DIRECTIONS
 IOWA = TOLL CORN STATE
 JOKE = JUMPING LAUGH
 KISS = TOUCHING HEARTS
 LANGUAGE = SIGN BETWEEN PERSONS
 LET = NOT KEEP
 LIE = NOT SIT
 LIFE = HEARTBEAT
 LIVING = HEART BEATING
 LOITER = WASTING TIME

201 - 210

LOSS = COST OVER REVENUE
 LOYAL = LIKES AUTHORITY
 LUGGAGE = OVERLAPPING SUITCASES
 LUKEWARM = WARM AND NOT WARM
 MAGIC GLUE = GLUE GLUE
 MAIN = CENTRAL CENTRAL
 MAKE LOVE = NATURAL LOVE
 MARKET = FOLDING TABLES
 MASK = FACE AND NO FACE
 MASTER = PERSON ABOVE PEOPLE

211 - 220

MAYBE = WILL OR WILL NOT
 MEAT = ANIMAL AFTER SLAUGHTERED FOR FOOD
 MEETING = PEOPLE AROUND TABLE
 MEXICO = COUNTRY OF SOMBRERO
 MIDDLE AGED = TIME AHEAD & TIME BEHIND

MIDDLE CLASS = RICH AND POOR AT THE SAME TIME
 MIRACLE = WALK OVER WATER
 MIRROR = NOT TRANSPARENT
 MODERATE = DRINK NOT DRINK
 MODERN = JUMPING IN TIME

221 - 230

MORE = GO SCALE
 MORE THAN ENOUGH = SURRENDER SCALE
 MOTORBIKE = WHEEL PUSHES LEGS
 MULE = HORSE & DONKEY HYBRID
 MUSCLE = BODY FORCE
 MUST = NO CHOICE
 NATION = PEOPLE AROUND COUNTRY
 NATURAL = OVERLAPPING BODIES
 NEIGHBORHOOD = OVERLAPPING HOUSES
 NEWS = OVERLAPPING NEW

231 - 240

NOBEL PRIZE = DECORATION DECORATION
 NO SMOKING = SMOKING IS BAD
 NOT GUILTY = CROSSED GUILTY
 NOW AND THEN = NOW AND NOT NOW
 OBESE = HOOKED ON FOOD
 ODDS = WINNING AGAINST
 OLD = LOT OF TIME BEHIND
 ORDER = LOT OF DIRECTION
 PARTY = LOVING DRINK
 PAST = TIME BEHIND

241 - 250

PENGUIN = BIRD OF ANTARCTIC
 PERMANENT = HOOKED IN TIME
 PHILOSOPHY = MEANING OF EXIST AND NOT EXIST ("TO BE OR NOT TO BE")
 PIG = ANIMAL & MUD, MUD IS SOWN AS WATER OVER GROUND
 POEM = TEXT WITH PATTERN
 POISON = NOT MEDICATION
 POLITICS = SOAKED IN BATTLES
 POLYGRAPH = MEASURE TRUE/FALSE
 PORNOGRAPHY = SINFUL KISS
 PREGNANT = BODY IN BODY

251 - 260

PRETEND = CLAIM AND NOT CLAIM
 PRETTY = CRAWLING BEAUTY
 PRIVILEGE = SILVER BEHIND
 PROFIT = REVENUE OVER COST
 PROOF = STEP BY STEP
 PROMISCUOUS = NOT CHOOSY
 PROSTITUTE = HOOKER, WOMEN FISHING
 PROTEIN = MOLECULE OF LIVING
 PUBERTY = GROWING SEX
 QUALITY = RATIO OF SIGNAL TO NOISE

261 - 270

QUARREL = BATTLE BETWEEN MOUTHS
 RAPE = MAKE HATE (NOT LOVE)
 REASON = BRAIN CHOICE
 RECEPTION = OFFICIAL PARTY
 REPUBLICANS = WE THE PERSONS
 RIPE = FRUITS ON PLATE
 ROBUST = OPPOSITE TO DELICATE
 RODENT = GROWING TEETH
 ROOT = PART OF TREE
 SANDWICH = BREAD ABOVE AND BELOW

271 - 280

SATISFIED = PLEASED BODY AND MIND
 SCAR = INJURY PATH
 SEASON = GLOBAL TIME
 SENSITIVE = HEART AND BALANCE
 SHALLOW = LEGS IN WATER
 SIMULTANEOUS = OVERLAPPING TIME
 SINGLE = WITHOUT OTHERS
 SIT = NOT STAND
 SKELETON = OVERLAPPING BONES
 SKY = ABOVE ABOVE ABOVE

281 - 290

SLAVE = PERSON BELOW PEOPLE
 SPECULATION = HOOKED IN FOG (THAT IS, IT COULD BE FACT AND IT COULD BE FICTION)
 SPEED = DISTANCE OVER TIME
 STRAIGHT = NOT RIGHT NOT LEFT

SUCCESS = HAVE GOAL BEHIND
 SWITZERLAND = ARROW THROUGH APPLE (WILHELM TELL STORY)
 TAX = MONEY AWAY
 TEENAGER = CHILD AND ADULT (ADULT IS SHOWN AS NO CHILD)
 TEMPORARY = NOT PERMANENT
 TEMPTATION = SIN OR NOT TO SIN

291 - 300

TEXAS = STATE OF LONGHORNS
 TEXTBOOK = IN- OUT BOOK
 THICK = NOT THIN
 THIN = ABOVE CLOSE TO BELOW
 TIBET = COUNTRY ROOF OF THE WORLD
 TIMBER = TREE AFTER IT HAS BEEN CUT
 TIME CONFLICT = TIME BATTLE TIME
 TOOL = WORK WITH
 TRADITION = FUTURE FOLLOWS PAST
 TRAP = PIT WITH HOOK

301 - 310

TREATY = OVERLAPPING DOCUMENTS
 TRIFLE = NOT WORTHY
 TRUST = BELIEVE AND CONFIDENCE
 TWINS = PREGNANT PREGNANT
 UNIQUE = COMPLETELY DIFFERENT
 UNITED NATIONS = COUNTRIES AROUND GLOBE
 UNTANGLE = CUT KNOT
 VACATION = LOVELY TRAVEL
 VALUE = TIME AND MONEY
 VIRGIN = FEMALE NOT WOMEN

311 - 320

WEATHER = CLOUD OR NO CLOUD
 WEED = GRASS WITHOUT USE
 WELCOME = HEART AHEAD LEGS
 WIDOW = WIFE OF DEAD MARRIAGE
 WILL = (AFTER) DEATH DOCUMENT
 WINE = GLASS & FLAME
 WINERY = LOT OF WINE
 WOOD = LOT OF TREES
 WORKDAY = VERTICAL DAY
 YOUNG = LOT OF TIME AHEAD

Let us make brief comments of a selection of signs, before we return to signs depicted in I Ching. Among the sign shown there is only one pair of signs that are true synonyms. These are the signs for HOLIDAY, which is depicted as a day of relaxation and as “horizontal” day. This means that on that day, if you wish, you may stay horizontal (in bed), while on workdays you have to be “vertical.” The sign for VIRGIN is shown by crossing the sign for women. This is meant to suggest that virgin is not yet fully woman just as teenagers are not fully persons. Of course similarly crossing the sign for man, one obtains sign for young who is not yet fully man. Perhaps with time alternative signs emerge that would replace current signs, time will tell. The sign for PREGNANT and TWINS are obvious, but observe the distinction between the sign for twins and IDENTICAL TWINS, where the two small bodies are touching, which can be understood, as they have developed from the same egg.

Perhaps the sign for BOSS, MASTER, and SLAVE need a comment. Boss is a person in charge at work, above the rest, so his is person above all other persons under his supervision. Master is a title with its roots in medieval times and is a stronger position, a person with higher authority, such as in a school or college, and also ruling over slaves. So we presented it as PERSON ABOVE PEOPLE. The opposite then, SLAVE is PERSON UNDER PEOPLE.

Let us also comment on UNITED NATIONS. The sign for United Nations in Nobel is COUNTRIES AROUND THE GLOBE, which if you give it some thought you may find that it is not only accurate, but also more accurate that the official name of the organization is; United Nations. It all depends how one defines nation. My little Merriam-Webster Notebook Dictionary has listed two meanings for NATION: (1) people of similar characteristics; (2) community with its own territory and government. Larger dictionaries tend to elaborate and have additional interpretations, but the two simple definitions will suffice. Clearly United Nations name and organization adhere to the second definition, which appears to be practical approach. But one should not overlook that there are many nations, people of similar characteristics, who have a territory but not their own government (yet). They tend to be overlooked not only by United Nations but by other nations that have forgotten their own past when they have been deprived of self-government. Take for illustration Croatia, which oscillated between the two definitions of “nation.” Croatia existed in IX and X century as a nation (just look at historical maps of that period); it was a kingdom for close to 100 years at the time when there was no England, no France, and no Germany. Unfortunately Croatia lost its freedom for 1000 years, being too close to more powerful countries, Austria and later Hungary, except for coastal city of Dubrovnik (Ragusa), which kept its independence till came Napoleon, who a year after crushing Venice ended the independence of Republic of Dubrovnik. The long period of darkness that followed loss of independence of Croatia in 11th century, however, did not mean that the nation of Croatia did not exist during all the time. The “1000 year dream” as people of Croatia have been referring to their desire for independence, finally became reality in 1991, when Croatia again emerged as an independent state. In Nobel the sign for country stands in fact for both definition of a nation. The sign for Croatia, which is BEAUTIFUL COAST, as its Adriatic coast with thousand islands, large and small, does not state whether Croatia is independent country,

part of Austria or part of Hungary, or part of Yugoslavia. It merely indicates that there is such a country and such people, just as the sign for Tibet, ROOF OF THE WORLD, indicates that there is such a country and such people, and does not speak of its past, its present time, or its future.

We already commented on “the leap second,” but let us return to comment the sign for LEAP YEAR, as JUMPING YEAR. It used to be that leap year would occur every four years, and this is still correct for the Julian Calendar, which has 365 days except every fourth year 366. Julian calendar is still observed by several Orthodox churches and, interestingly it has been adopted by computers! This calendar was inaugurated by Roman Emperor Julius Caesar in the year 46 B. C. Because the movement of Earth around Sun can not be simply described by integers, even if corrected every four years by adding a day, in 1582 Pope Gregory XIII approved revision of Julian calendar by having leap year every year divisible by four with a restriction that centennial years are leap years only if divisible by 400. This is the so called Gregorian calendar that we use today. Thus every 100 years the difference between the Julian calendar and Gregorian calendar increases by one day, except every 400 years. With this rule the year 2000 was leap year in both calendars, leaving thus the difference between the two calendars to 14 days till 2100, when it will jump to 15 days.

A comment may be in place to elaborate on the sign for VIRUS. We have seen signs for atom and cell, circle with plus and minus signs, respectively. By connecting two atoms we obtained sign for molecule (strictly speaking for chemists this would be a diatomic molecule, but we took the sign to represent any molecule). By connecting two cells we obtained sign for bacteria (strictly speaking bacteria is plural of bacterium, i.e., lot of bacterium. Bacterium is a single cell system, which is why we speak of bacteria. We hardly need a sign for bacterium, because a single bacterium is hardly to cause problems, it is bacteria that cause problems (illness) or are useful (e.g. in fermentation of beer and wine). Combination of two circles, one with positive sign (atom) and one with negative sign (cell) suggest something what has properties of molecules and bacteria – and that is virus. It can form crystals like molecules and it can cause illness as bacteria, thus the sign for virus appears appropriate, although somewhat abstract.

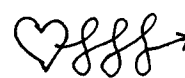
We have seen the signs CUMBERSOME, COMPLEX, and COMPLICATED,. We have also seen two combinations involving these signs:



AWKWARD



EMBARRASSED



FRUSTRATED



BLURRED



MIRAGE









HALUCINATION

Here we collected additional illustrations:


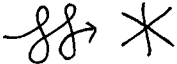



Observe the distinction between the two set of signs. In the first group the arrow is coming out of brain (like in the sign THINK, THOUGHT). Clearly incompetent person has no good idea of what is going on, but brain with complex thought can only come from competent person, while finally complicated thought characterize genius, scientists like Albert Einstein, Stephen Hawkins, Nikola Tesla; or composers like Johann Sebastian Bach, Wolfgang Amadeus Mozart, Ludwig van Beethoven; or writers like Miguel Cervantes, William Shakespeare; or artist like Leonardo da Vinci (a scientist, mathematician, engineer, inventor, anatomist, painter, sculptor, architect, botanist, musician and writer) and Michelangelo Buonarroti (sculptor, painter, architect and poet)

There is only one small group of signs that we would like to introduce and comment and they relate to sex, or to be more specific, to sex organs. The reason for adding these sign to put the matter to the rest, and prevent teenagers speculate or consider construction of alternative signs for these words (that one can find in any sizable dictionary). Here they are:

		
PENIS	GLANS	TESTICLE
		
VAGINA	VULVA	UTERUS

Let leave this delicate topic of sex, which is important for propagation of life, and which itself can be cumbersome, complex and complicated for humans but also other special with the corresponding sign, without contemplate to describe details:

		
SEX CUMBERSOME	SEX COMPLEX	SEX COMPLICATED

Let us end this section with comments on the signs for the 64 hexagrams of I CHING:

- 1 Origin = emphasized beginning; Beginning = emphasized close
- 2 Success = having goal behind
- 3 Birth = female output; Pain = friction in body and sole (mind)
- 4 Children against elderly people
- 5 To be parallel (not against) to those against (perpendicular)
- 6 Claim = push flag; Contention = have claim against those not agreeing with
- 7 Army = lot of military people
- 8 Unity = being in union; being = equal; union = overlapping rings
- 9 Pulling (back) those not capable
- 10 Walk alert; alert = be awake awake
- 11 Benevolence = leaning to kindness; Leaning = not vertical
- 12 Obstruction is shown as having lot of difficulties
- 13 Companions are people with whom we agree
- 14 (People) who own much have many possessions
- 15 Modest is shown as being not proud
- 16 Enthusiasm is shown as heart over heart (liking something very much)
- 17 Agree is shown as being parallel with (something)
- 18 Decay is shown as spreading (disappearing) with time
- 19 Draw near is the same as pull close
- 20 To examine something one may use magnifying glass, hence push magnification
- 21 Biting thorough = complete bite; Complete = body and mind
- 22 Adorn = give decoration; Decoration = star
- 23 Peeling is shown as cutting away the top top part of something
- 24 Return means to come again
- 25 False = not true, hence not false is shown as the opposite (reciprocal)
- 26 Great = big in all directions; Power = emphasized force; Domestic = roof
- 27 Taking nourishment is shown as taking food
- 28 Experience is shown as having lot of work behind
- 29 The watery depth is shown as depth below water
- 30 To shine brightly = lot of shine; shine = lot of light; light = part of lightning

- 31 Embracing is shown as hands close around
- 32 Constant = not (crossed) change
- 33 To hide is shown as pushing something under cover
- 34 Strength (of a person) is shown as muscle; Muscle = body force
- 35 In order to advance one has to push legs forward
- 36 Bright = lot of shine; Shine = lot of light; dimmed is shown as being overturned
- 37 Family is made of male and female (person)
- 38 Opposition = not government (reciprocal)
- 39 Obstruction means having lot of difficulties
- 40 Let loose is shown as let let; Let = not keep; Keep = fence
- 41 Injured (person, animal) is (person, animal) with injury
- 42 Increase is shown as moving up the present state (indicated by the sign of equal)
- 43 New = coming in time; Outcome = final result; Result = end output
- 44 To meet somebody one has to cross paths
- 45 Collecting is shown as adding and adding, hence summing and summing
- 46 Rising up is showing as improving growth
- 47 To surround (something) is shown as completely encircle (it)
- 48 The well is shown as water hole; hole is shown as a part of a loop
- 49 Change = opposing bent arrows (one of the basic signs of Nobel)
- 50 For = against against; flame = smoke smoke
- 51 Shock is shown as violent emotion; Emotion = heart choice
- 52 Dormant, inactive
- 53 Gradual = not (crossed) sudden; Development = grow grow
- 54 Marriage = overlapping rings; Sister = overlapping females; Younger = after
- 55 Prosperity = wealth wealth (touching values); Value = time & money
- 56 Traveler is shown as a person with suitcase
- 57 Gentle = kind kind
- 58 Happiness is shown as being very pleased (please pleased)
- 59 If there are many eruptions things will be scattered
- 60 Limitations = overlap of limits; Limit = emphasized end; End = emphasized far
- 61 Confidence = believe and trust; inner confidence = feeling confidence
- 62 Minor = not (reciprocal) major; Major = greater; Great = big in all directions
- 63 Already = time has come
- 64 Not already = crossed already

On Grammar of Nobel

Before we continue with illustrations of text written in Nobel it is time to make some comments on the grammar of Nobel. All those who speak other languages besides their own mother tongue may recall difficulties that grammar introduces in the learning of languages. Some languages have simpler grammar, some more elaborate. Let take Latin language as a standard. Then there are languages with more complicated grammar, and I dare to say that my native Croatian is one of these, but there are languages with simpler grammar, which include German and English. The first hurdle is the so called “declination,” the rules that govern how are words modified when conveying the state and the direction of activity involving them. In English the noun remain constant, and the meaning is conveyed with prefixes such as “of,” “to,” “from” etc., but in Latin (and Slavic languages, with possible exception of Bulgarian) the noun ending usually also changes. Before different words have different endings, there are plenty of complications that one has to learn if one is to speak correctly. End even if this is not enough, there are situations when different cases have the same ending, but may have different accent! I recall how soon after coming to England for graduate study I received an invitation from certain Dr. Walker, presumably one of the faculties of Cambridge University, for afternoon drink of tea. He expressed his interest in Croatian language, which was the reason for contacting me. Upon my arrival Dr. Walker brought me into a room full of books, journals and newspapers, and suggested that he reads sections in Croatian language from one of the best known epic poem in Croatian literature, considered “the pearl” of the Croatian literature: *“The Death of Smail Aga Čengić.”* The poem describes the time of the conflicts of Christians with Muslims during Turkish occupation of Bosnia and was written by Ivan Mažuranić, a governor of Croatia, the founder of the University Library of the University of Zagreb in 1876. I may add that reading poetry in foreign language is more difficult than reading prose, which only indicated that Dr. Walker was not beginner, but a scholar of the Croatian language.

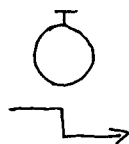
After getting over few pages Dr. Walker stopped for a minute and asked me whether the particular word is dative or accusative (the third or the fourth case out of seven cases of Croatian language). I tried with the standard: “to whom, to what” against “of whom, what” and was not sure because the ending of the particular word could fit both cases. Just to “get rid” of the question I decided that this is more likely to be dative than accusative and so told Dr. Walker. He looked at me suspiciously and then told me that it is not dative but accusative, because, he continued, a noun that ends on “a” has ending “u” for both, dative and accusative, but in dative the accent is “short” and in accusative it is “long” (or vice versa, I never even tried to figure this rule out) and he said that the accent shown in the text is “long.” I may add that in Croatian one is not printing accents in text (there are four: up, down, short and long), obviously Dr. Walker had book that was specially printed for foreign speaking people. I should also add, that during eight years of intermediate schooling I never heard of the rule that Dr. Walker knew about! Well, I may have not been a talent for languages, including the official Croatian, as we who originally came from northern part of Croatian Adriatic coast (and islands) speak a dialect which is sufficiently different from the official Croatian language that people in the capital of Croatia, Zagreb, have difficulty to understand us. Be as it may, I was astonished with Dr. Walker and his mastering of Croatian grammar – and few days later I was even more astonished when visiting the Philosophical Library of the

University of Cambridge on the board next to the entrance door I saw an announcement listing Dr. Walker as official translator for 16 European and other languages.

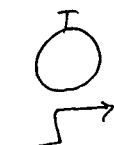
For sure I am not alone in “complaining” about complexities and difficulties of grammars of different languages. Italian mathematician Giuseppe Peano (1858 – 1932) was interested in promoting Latin as an international language, at the time when Latin was practically dead language (used still by many Roman Catholic priests and for nomenclature in Biology and Medicine). Peano decided to simplify grammar of Latin and thus created an artificial language, modified Latin, which he thought, may be more acceptable to other users. Thus for example, Peano argued, instead of saying something like: “*I was yesterday in theater*” one could say “*I am yesterday in theater*”, because the word “yesterday” already indicates the past. Artificial languages can afford such simplifications based on simple logic and for example, the Esperanto has only 16 grammar rules, all which can fit a single page of a book – not hundreds of pages that grammars of natural languages often require. This is encouraging and we thus set very simple grammar rules for Nobel that we will briefly outline.

The Past – The Present – and The Future

Normally by writing in Nobel one expresses the present tense. If one need to express the past or the future this is possible in Nobel in two ways. One ways is to continue to write in the present but at the very beginning of the sentence indicate the past or the future with the respective signs shown below, which have the sign of “time” and down step and up-step arrows associated with them. The very “down-step arrow” and the up-step arrow” are the signs what indicate the past and the present, respectively:



past tense



future tense











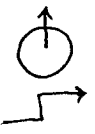


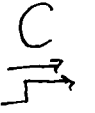



past tense



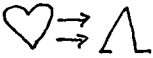
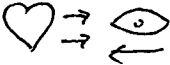
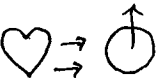
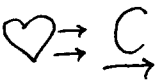
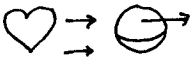
future tense

Here are several illustrations of the past and the future tense of selected verbs:

 go	 went	 will go
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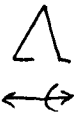


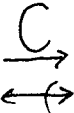
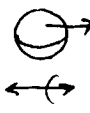
		
see	saw	will see
		
work	worked	will work
		
listen	listened	will listen
		
think	thought	will think

We should add that there is yet another way to express future, and that is by using the sign WILL (heart pushes). So the future tense for the five illustrations shown above may also be expressed as:

				
will go	will see	will work	will listen	will think

Infinitive

Infinitive is grammatical form of a verb with no reference to particular person, subject or tense. In English it has particularly simple form: the verb is preceded with word “to.” We have adopted the same simple form for Nobel as illustrated below:

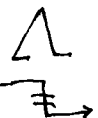
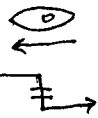
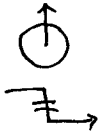
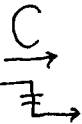
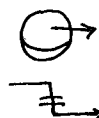
				
to go	to see	to work	to listen	to think

The Passive Form



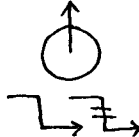
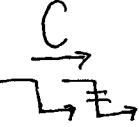
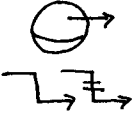
According to the Encarta World English Dictionary “passive “ grammatically is define as:

EXPRESSING ACTION DONE TO THE SUBJECT indicating that the apparent subject of a verb is a person or thing undergoing, not performing, the action of the verb, as in “*We are given work to do.*”

So we need format of sign that would correspond for the above illustration to: “*are given.*” We decided in Nobel to depict such passive form with the “past tense” step down arrow to which is superimposed the mathematical sign of *equal*. Thus for the five verbs used for illustration of past and future tense and infinitive we have:

				
is gone	is seen	is worked	is listened	is thought

Now if one want the past tense of passive:

				
was gone	was seen	was worked	was listened	was thought





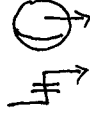
All that is needed is to precede the sentence with the sign for the past tense, and in the case of the future passive tense one precede the sentence with the sign for the future.

The Conditional Tense

We are now left to design a format for the conditional tense, which according to Encarta Dictionary is defined as follows:




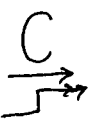

Stating a condition or limitation used to describe a clause, conjunction, verb form or sentence that expresses a condition or limitation.

Thus conditional tense relate to situation, which if satisfied would result in certain activities. In other words they relate to future activities that may or may not occur, which will depend on the conditions posted. We have therefore taken the combination of the *up-step arrow* and the mathematical sign *equal* to stand for conditional tense. Thus we have:

				
would go	would see	would work	would listen	would think






Present Continuous

This grammatical tense indicates that an action has started in the past and still continues. In Nobel this tense is presented as “growing future” or “growing into the future” by simply adding an additional arrowhead to the sign for future.

				
going	seeing	working	listening	thinking





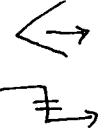
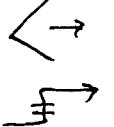


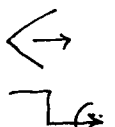

Past Participle

This grammatical tense indicates in English an activity that has fully ended and is represented by step-down arrow with additional arrow head:

				
have gone	have seen	have worked	have listened	have thought

Summary of Various Grammatical Tenses

In the following cells we have summarized all grammatical tenses on the verb *to give*, that was used in the Encarta World English Dictionary to illustrate the passive voice

present	past	future	infinitive	passive
				
give	gave	will give	to give	is given
conditional	continuous	past participle	present past	present future
				
would give	giving	have given	give & given	give & will give

We added two more grammatical tenses at the end for activities that have started in the past and still continue and the activities of the present that will continue.

Noun – Verb Differentiation

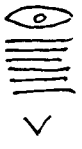

There are many words in English (and presumably in other languages) which are the same for the noun and the verb. For example:

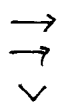
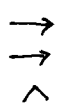
Gamble	Insert	Lounge	Pass
Guess	Interview	Mold	Pattern
Halt	Judge	Monitor	Peel
Harm	Kick	Number	Pervert
Heap	Kiss	Offer	
Hurt	Knock	Pack	





Sometimes it may be clear from the context whether the sign of Nobel stands for a noun or the verb, but if that is not the case we need to find way to clarify the situation. In addition that are many words which can be either a noun or a verb, but the two have slightly of fully different meaning. Such are the words like:





Word	Meaning of the noun	Meaning of the verb
Hurry	Rush	Move quickly
Implement	Tool	Fulfill
Institute	Organization	Establish; Start
Keep	Food and Shelter	Adhere to; Protect; Hold
Labor	Job; All workers	Childbirth
Landscape	Natural scenery	Plant gardens and lawns
Light	Light source; Brighten	Set fire; Brighten
Limit	End point	Restrict
Loom	Weaving machine	Come into sight
Lumber	Building wood	Move heavily

In the case of such words Nobel just use different sign for a noun and for a verb, and thus this kind of overlap of noun-verb configuration does not cause problem. For many signs in Nobel it may be immediately clear whether they represent a noun or a verb but this need not be the case when signs can stand for both, noun and verb. To avoid such ambiguities Nobel has two subscript indicators, one in the form of “an arrow head” and the other in a form of a “chalice” or “cup” (inverted arrow head). They will be use to make text easy to understand. Some readers may recollect that the two signs also stand for “male” and “female” (and indeed are related to our signs for male and female). We use these signs to indicate nouns (using *cup*) and verbs (*arrow head*) as illustrated below:

noun	verb
	
reading	read







noun	verb
	
push, pushing	push

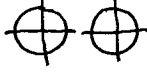
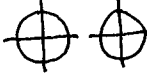




noun	verb
	
thinking	think
noun	verb
	
giving	give

noun	verb
	
speaking	speak
noun	verb
	
rain	rain

Adverb – Adjective Differentiation

In a similar manner in which we differentiated nouns and verbs we can distinguish adverbs and adjectives, the former adding to the description of nouns and the latter to the description of verbs. This we do by doubling the subscript indicators as illustrated below:

adjective	adverb
	
beautiful	beautifully
adjective	adverb
	
deep	deeply
adjective	adverb
	
dead	deadly

adjective	adverb
	
main	mainly
adjective	adverb
	
gentle	gently
adjective	adverb
	
slow	slowly

The four subscript indicators, those for nouns, verbs, adjectives and adverbs, will clarify possible ambiguity when arrives if a word can have multiple grammatical roles. For example, in English there are words that can be noun, verb and adjective, like “last”, which as a noun stands for “end,” as a verb stands for “continue,” and as adverb stands for “most recent, final;” and “manifest,” which as a noun stands for “cargo list,” as a verb stands for “make clear,” and as adverb stands for “obvious.” There are also words in English that can be noun, adjective and adverb, like the word “no,” which as noun stands for “denial,” as adjective stand for “not any” and as adverb stands for “not at all.” By using the subscript indicators the three cases can be easily distinguished. As if this is not enough there are words in English that can be noun, adjective, adverb, and pronoun, like the word “none,” which as noun and adjective stands for “not any”, as adverb stands for “not at all” and as pronoun stands for “no one.”

There are words that in addition to being adjectives and adverbs are also prepositions, like “over.” Before ending this section on Grammar of Nobel, we will list signs for numerous prepositions to make it convenient for readers to locate such signs. As will be seen many of them involve some convention, and clearly alternative conventions could be considered.

Singular – Plural

As we have seen very few words in Nobel have distinctive forms for singular and plural, such as person – people, from which one can generate numerous derivatives, like: child – children, soldier – soldiers, friend – friends, etc. Clearly one needs a more general rule for forming plural from singular or *vice versa*. Often one can from the text understand whether one speaks in singular or one refers to plural. In Japanese language, someone told me, there is no difference between the kanji signs for singular and plural, which are inferred from the text. So as a rule, if it is apparent from the text whether one refers to singular or plural we would simply do nothing. However, if it is not clear we will use indicator subscript for an item (#) if the word is singular and will double the sign (# #), which means “many” to indicate plural.







There are words in English and other languages which exist only in plural. Such are, for example:







Ceramics
Dues
Firework
Folk
Jeans
Overall

In such situations clearly one does not need to use subscript indicator to indicate plural. In addition, there are also words in English which have different meaning in singular and plural, such as:

Word	Meaning of singular	Meaning of plural
Chain	Series of links	Bondage
Cloth	Fabric	Garment
Custom	Usual practice	Import tax
Effect	Result, influence	Belongings

Here again one does not need to use subscript indicator because the two different meaning will have two different signs. We follow with few illustrations of singular - plural words:

 # house	 # # houses
 # tree	 # # trees
 # book	 # # books




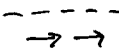




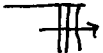













 # money	 # # monies
 # flower	 # # flowers
 # apple	 # # apples

To make the story about singular-plural complete we should add that there are words in English (and possibly other languages) that exist only in singular form, like the word “regard” (respect; esteem). Clearly, again in such situations one does not need to use subscript indicator,






Noun cases

We will end this brief review of the grammatical rules of Nobel with illustration of the prefixes to be used in declarations of nouns. They include prepositions and conjunctions.

Prepositions

				
above	after	against	along	as
				
at	below	between	beyond	but
				
circa	despite	except	in	inside
				
into	like	neither	notwithstanding	on
				
with	without			

Conjunctions




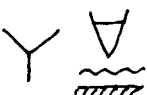
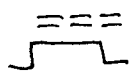




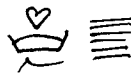


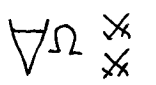
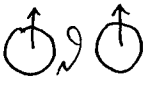



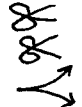


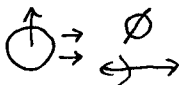
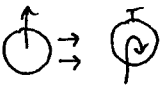
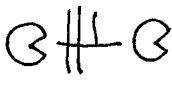
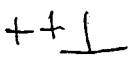





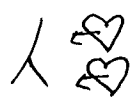
				
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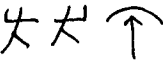
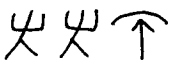

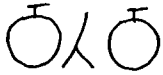
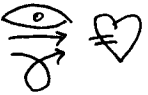
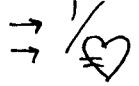
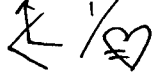


inasmuch	neither	notwithstanding	only	or
over	than			

Before we proceed with the next part of the book in which we have collected some 40 pages of text to illustrate use of Nobel we will list signs for words that will enrich our vocabulary and which will make easier to read the collection of 100 Chinese proverbs which we selected for illustration of Nobel. This include some words that have been already seen, but appear less frequently, so it will not hurt to see then explained once again. The already collected set of prepositions and conjunctions shown above will further help readers when reading given text for the first time. The words are listed in an arbitrary way but at the end explanation for the signs is presented in alphabetic order.

UNION <i>overlapping rings</i>	OBSTRUCTION <i>burden burden</i>	POSSESSION <i>items own</i>	MODESTY <i>not pride</i>	DIM <i>brightness collapse</i>
GREAT <i>large size</i>	MINOR <i>size down</i>	MAJOR <i>size up</i>	GREATER <i>great great</i>	LESS <i>small size</i>
LESSER <i>less less</i>	THOUGH	ALTHOUGH	EITHER <i>this or that</i>	ROOT <i>part of tree</i>

ALTERNATIVE <i>parallel choice</i>	SELECTION <i>lot of choice</i>	FINE <i>above good</i>	TERRIBLE <i>below bad</i>	AWFUL <i>extremely bad</i>
THIEF <i>person with long fingers</i>	AUTHENTIC <i>parallel with truth</i>	SHOULDER <i>part of body</i>	FUNCTION <i>in - out</i>	POLICY <i>road of good over bad</i>
FOOTSTEP <i>leg distance</i>	FOOTPRINT <i>leg path</i>	TRUCE <i>war/peace</i>	ENORMOUS <i>extremely big</i>	DIFFICULTY <i>heavy heavy</i>
OUNCE <i>very small weight</i>	REAL <i>not fiction</i>	FOR <i>against against</i>	HERE <i>close direction</i>	THERE <i>aside direction</i>
MODEST <i>avoids extreme</i>	WORKER <i>person behind work</i>	SHARP <i>as blade</i>	RESULT <i>end outcome</i>	SON <i>growing father</i>
WELL <i>is good</i>	NOT WELL <i>is bad</i>	GAIN <i>income above cost</i>	TEACH <i>push textbook</i>	PARDON <i>excuse guilty</i>

 <p>ISLAND <i>land above water</i></p>	 <p>LAKE <i>water above land</i></p>	 <p>CREDIT <i>pay later</i></p>	 <p>SOW <i>female pig</i></p>	 <p>PARAGON <i>perfect standard</i></p>
 <p>FATE <i>time chooses</i></p>	 <p>LUCK <i>time favor</i></p>	 <p>MISFORTUNE <i>time curse</i></p>	 <p>FORTUNE <i>time blessing</i></p>	 <p>FORTUNE COOKIE <i>cookie & text</i></p>
 <p>FORTUNATE <i>coming fortune</i></p>	 <p>UNFORTUNATE <i>coming misfortune</i></p>	 <p>CAVALRY <i>horse & military</i></p>	 <p>IMPOSSIBLE <i>work without work</i></p>	 <p>BUSINESS <i>emphasized work</i></p>
 <p>ODDS <i>winning/losing</i></p>	 <p>FREQUENTLY <i>coming often</i></p>	 <p>DETERMINE <i>decide decide</i></p>	 <p>EXIST <i>in time</i></p>	 <p>NICE <i>pleasing eye</i></p>
 <p>CREATE <i>make from nothing</i></p>	 <p>CREATE <i>make exist</i></p>	 <p>DISCUSS <i>converse & argue</i></p>	 <p>EVEN <i>add against</i></p>	 <p>MOREOVER <i>add above</i></p>
 <p>EAT <i>into mouth</i></p>	 <p>FIT <i>be parallel</i></p>	 <p>NOT FIT <i>be perpendicular</i></p>	 <p>ACQUAIN- TANCE <i>person known and not</i></p>	 <p>BEGGAR <i>person asking asking</i></p>

 CHOOSER <i>person who is choosy</i>	 ENCOUNTER <i>come face to face</i>	 PRIVILEGE <i>gold behind</i>	 QUEST <i>gold ahead</i>	 SAILBOAT <i>basic sign</i>
 TOO <i>more than enough</i>	 EXCESSIVE <i>give up give up</i>	 ADVISE <i>give advice</i>	 MIDDLE AGE <i>time ahead & behind</i>	 TRUISM <i>obvious truth</i>
 DECEIVE <i>push lie</i>	 DECEIVED <i>accept lie</i>	 DECEIT <i>against truth</i>	 THAN <i>basic sign</i>	

ACQUAINTANCE = person known and not known.

ADVISE = *give advice*. Give is shown as *hand and out-arrow* while advice is *brain return*

ALTERNATIVE = *parallel choice*.

ALTHOUGH = *basic sign*

AUTHENTIC = *parallel with truth*. Truth is shown as “*equal over heart*,” which is to symbolize placing *hand over heart*, as sometimes people do when swearing to truth

AWFUL = *extremely bad*. Extreme is shown as the *top and the bottom* of a *mountain*. Bad is shown as *down bent arrow*

BEGGAR = *person asking asking*. Ask is showing as *saying please*

BUSINESS = *emphasized work*. Business is *hard work*. “Hard” has been indicated by emphasizing. Work is shown as *lifting ball* against gravity (which is work as lifting anything)

CAVALRY = *horse and military*. Horse is *animal* identified by *horseshoe*. Military is shown as to do with *battle over battle*. Italian (Latin) for horse is *caval* which the root of the word cavalry is

CHOOSER = *person who is choosy*. Choosy is shown as considering *many choices*

CREATE = *make from nothing*. Make is shown in Nobel as *output of work*. Work is shown as *lifting ball (weight)* against force of gravity. The definition of *work* in physics, in simple language, is to move against force

- CREATE = *make exist*. That something exist means that it is *in time* (as time will exist even when we do not). Thus “exist” is suggested by arrow which is of opposite form, from arrow depicting “death” or extinction
- CREDIT = *pay later*. Pay is shown in Nobel as “*money down*” while prepayment is “*money up*.” Later is shown in Nobel as after after.
- DECEIT = *against truth*. Deceit is being dishonest, not truthful, thus working *against truth*.
- DECEIVE = *push lie*.
- DECEIVED = *accept lie*. Person is deceived when he/she is mislead and *accepts lie* for truth
- DETERMINE = *decide decide*. Determine is to decide something conclusively, thus emphasized *decide*. Decide is shown in Nobel as *cutting choice*
- DIFFICULTY = *heavy heavy*. Heavy is shown as an object of *heavy* weight, which is not easy to lift. Difficulty is something that is not easy to understand, easy to do or make or deal with, so is very heavy, or *heavy heavy*
- DIM = *brightness collapse*. Bright is something having a *lot of shine*. Shine is something having *lot of light*. Light is *part of lightning* (electricity). Collapse is shown as *up-down curved arrow*
- DISCUSS = *converse & argue*. Converse is in Nobel shown as *parallel talk* (mouth), argue is in Nobel shown as *perpendicular talk* (mouth), thus discussion, being both is shown as *tolerant* (parallel & perpendicular) talk. The phrase “agree to disagree” is a sign of tolerance, and in general tolerant person agree with (parallel) with disagreements (perpendicular or against stands)
- EAT = *into mouth*.
- EITHER = *this or that*. This in Nobel is shown as *pointing close* and that in Nobel is shown as *pointing aside*
- ENCOUNTER = *come face to face* or one may say *come face against face*. *Against* is shown as *perpendicular*
- ENORMOUS = *extremely big*. Extreme is shown as the *top* and the *bottom* of a *mountain*. *Big* is mathematical sign
- EVEN = *add against*. The sign *against* suggest something not expected (surprising, unlikely or extreme)
- EXCESSIVE = *give up give up*. Stop the scale means *enough*, more than enough is to *surrender*, and excessive is to *surrender surrender*
- EXIST = *in time*. Recall Descartes: Cogito ergo sum! That something exist means that it is happening *in time*. Thus “exist” is suggested by arrow entering time. The arrow is of opposite form, from arrow depicting “death” or extinction
- FATE = *time chooses*. Outcome that *time* brings, that one cannot *choose*
- FINE = *above good*. Good is good enough, but fine is better, so it is *above good* on an informal scale of good-bad
- FIT = *be parallel*. To agree is in Nobel to be *parallel with*, to fit is to *be parallel*. “To be” is shown by overlapping sign *equal*
- FOOTPRINT = *leg path*
- FOOTSTEP = *leg distance*
- FOR = *against against*. Recall an old adage: Enemy of your enemy is your friend, thus being *against* of someone who is *against* amount to being *for*

FORTUNATE = *coming luck*

FORTUNE = *time blessing*

FORTUNE COOKIES = *cookie & text*. These are Chinese pasty cookies wrapped around a written message, predicting someone's fortune, served in Chinese restaurants

FREQUENTLY = *coming often*. Coming is indicated by *legs*. Often is shown as *again again*. Again is shown as *time returning*

FUNCTION = *in – out*. In mathematics function is defined as process in which given a number (symbolized by *in*) you get only one answer: hence you put number in and you get a number out.

GAIN = *income above cost*. Income is money coming in, and cost is money going out. In business the difference, the *money coming in above the money spent* is gain or profit

GREAT = *large size*. Large is shown as mathematical sign *big*, while size is shown as expanding in *all directions*

GREATER = *great great*, that is, *greater* than *great*

HERE = *at close direction*

IMPOSSIBLE = *work without work*. According to laws of thermodynamics work is not possible without energy, which is capacity to do work. Thermodynamics is part of physics which is concerned with exchange of work into heat and heat into work (more precisely dealing with conversion of energy from one form to another and how this depends or affects temperature, pressure, volume, mechanical movements and work). The first law of thermodynamics states that energy cannot be created or destroyed, thus it is not possible to create work without using outside energy

ISLAND = *land above water*. Land is shown in Nobel by emphasizing (doubling) the sign for *ground*

LAKE = *water above land*. Land is shown in Nobel by emphasizing (doubling) the sign for *ground*

LESS = *small size*. Small is shown as *not* (crossed) mathematical sign *big*, while size is shown as expanding in *all directions*

LESSER = *less less*, that is, *less* than *less*

LUCK = *time favor*. Good fortune, favorable outcome that seems to happen unexpectedly and accidentally without apparent logical background

MAJOR = *great up*

MIDDLE AGE = *time ahead & behind*. This is in analogy with middle aged person, person who had time behind and has time ahead. Behind and ahead are suggested by placing time *behind and ahead of legs*

MINOR = *great down*

MISFORTUNE = *time curse*

MODEST = *avoids extreme*. Avoid is shown by an arrow that bends away along its path, as it avoids some obstacle. Extreme are shown as the *top* and the *bottom* of a *mountain*.

MODESTY = *not pride*. Pride is shown by fusing signs for *brain* and *praise*, which is brain (person) that praises self. "Not" is shown as reciprocal

MOREOVER = *add above*. Add above suggest *in addition*

NICE = *pleasing eye*

NOT FIT = *be perpendicular*. To fit is in Nobel shown as to be *parallel*.. Hence, not fit is to *be perpendicular*

NOT WELL = *is bad*. “Is” is shown as *equal*, “bad” is shown as *down bent arrow*

OBSTRUCTION = *burden burden*. Burden is shown as having difficulties (heavy things) ahead.

ODDS = *winning/losing*. Odds are calculated by considering the *ratio* of *winning* against *loosing*

OUNCE = *very small weight*. Until recently United States and Yemen were the only two countries in the whole world which do not use metric system, but of recently Yemen went metric. So we have to comment on non metric units for readers who have abandoned various non-metric systems long ago, and may have not been exposed to English and American non metric systems, which are similar but different. In medieval times in Europe cities had their own systems of measure and on entrance of cities there were custom office using their own standards. Later this extended to larger region, but still units for measure were regional, rather than international. Current efforts to standardize units involve the International Standards Organization. The International System of Units is internationally accepted system of measures for scientific work (United States being also part of this). The basic units are: meter for length; kilogram for mass (weight); second for time; kelvin for temperature, mole for amount of substance; ampere for electric current; tesla for magnetism; and candela for luminous intensity. In order to distinguish metric system from non-metric system used in USA (and formerly in England) Nobel places crown *above* signs for metric units and places crown *below* signs for non-metric units. The sign of *crown* indicates an “official” status of the measure units. Once, which is 1/16 of a pound (which is approximately half a kilogram) is shown as very small weight of non-metric system

PARAGON = *perfect standard*. Paragon is the very best example of something. “The very best” is represented by *perfect*, which is *exact exact*. Exact is shown in Nobel as emphasized equal, that is, *equal equal*. The “example of something” is shown as *standard*, an *item on podium*. Etymology of the word paragon goes to Medieval French for touchstone, the stone used to test the purity of gold, which comes from Greek *parakonon*, which stands for to *sharpen*, *whet* and whetstone (stone used to sharpen blade of tool). Briefly, paragon is a single word for “the best of the best.” Few languages have such a single word for the best of the best, Slovenian is one and Croatian coastal dialect is another, have the same word “žlahti,” which does not exist in the official Croatian language, except that the word survived only as a name for one of the best white wines from coastal island Krk, called “Žlahtina.” Most people drinking this wine will find it very good, but not understanding the label, which for them does not mean anything, will not realize that this is not only the best white wine form that region, but best of the best wines!

PARDON = *excuse guilty*. Excuse is shown in Nobel as superposition of *please* and *thanks*, because when excusing one says first *please* (excuse me) and then *thanks*

- POLICY = *road of good over bad*. Policy is a plan for course of action adopted by an individual, group, organization or government, and usually implies prudence, that is, good sense in managing practical matters. Prudence is depicted in Nobel as adopting good over evil, shown as *path of good over evil*, while policy becomes a *road of good over evil*
- POSSESSION = *items own*. “Own” is shown as emphasized have, that is, as *have have*. “Have” is shown as emphasized with, that is *with with*.
- PRIVILEGE = *gold behind*. Advantage is shown in Nobel as having *difficulty behind*, benefit is shown in Nobel as having *silver behind*, and privilege is handsome advantage and benefit, hence having *gold behind* (which indirectly suggest having money behind)
- QUEST = *gold ahead*. Challenge is shown in Nobel as *silver ahead*. Quest, being more than challenge, involving searching and possibly adventure, is then shown as *gold ahead*
- REAL = *not fiction*. Fiction is shown in Nobel as being *hooked in a cloud*, and should be contrasted to the sign for *fact*, as something hooked to the *ground*, that is, having *base*. One can hook something to the ground, but nothing can be hooked to clouds, suggesting such things are fictitious. *Real* is opposite (reciprocal) to fiction, that is *not fiction*
- RESULT = *end outcome*. Result is the produce of particular action, condition or event, hence is the end output or *end outcome*. End is shown as emphasized *far*, just as beginning is shown as emphasized *close*.
- ROOT = part of tree *below tree* under the ground. Hence the positioning of the sign below at the stem of tree sign
- SAILBOAT = *basic sign*. Sail was added to the sign for boat
- SELECTION = *lot of choice*. This is shown as *choice over choice* in order to differentiate this sign from the sign for choosy, a person who is considering lot of choices (one after another, so they are drawn sequentially). In order to be *choosy* one has to have *selection*
- SHARP = *as blade*. “As” is shown as *equal close*, while “blade” is shown by emphasizing one edge of a *knife*.
- SHOULDER = *upper part of body*
- SON = *growing father*. Indeed, one day son will become father, so *son* is Nobel is shown as *growing into father*. “Growing” I shown by *adding arrow* had to the sign for father, just as *child* is shown as *growing person*, and *baby* as *growing child*
- SOW = *female pig*. Pig is shown in Nobel as *animal of mud*, in view that it likes to rest in mud. Mud is shown as *water over ground*
- TEACH = *push textbook*. Textbook is book characterized by in-out arrows, as one uses it more than once. Actually more one use it better student one becomes. The in-out arrows stand in analogy to the sign for *digest* that relates to food that goes in-out of a body. So to teach someone one has to see that student *digests* the book used in a course
- TERRIBLE = *below bad*. Bad is bed enough, terrible is worse, so it is indicated on an arbitrary scale of good-bad as *below bad*, just as very cold weather would be indicated as below freezing

THERE = *at aside direction*

THIEF = *person with long fingers*. This is a figurative speech. Person with skilful fingers can take things while others do not notice, so it appears as if he operates from a distance, having *long fingers*. In Croatia, and possibly some other countries, people refer to thieves as people with *long fingers*

THAN = *basic sign*

THOUGH = *basic sign*

TOO = *more than enough*. Enough is shown as *stop the scale*. More than enough is shown by adding "*more*" (go scale)

TRUCE = *war/peace*. Truce is a temporary interruption of hostility, so it is neither *war* (lot of battles), nor *peace* (no battles).

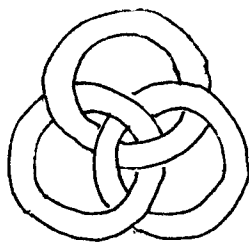
TRUISM = *obvious truth*. Obvious is something that *all see*

UNFORTUNATE = *coming misfortune*

UNION = *three overlapping rings*. Overlapping rings in Nobel symbolize marriage, which is a special kind of a *union*, union between two persons, husband and wife. By generalizing and adding third overlapping rings one obtains a symbol of a more general kind of *unions*. This design of three overlapping rings is known as the Borromean Rings as they form the coat-of-arms of aristocratic Italian family Borromeo. The three rings when considered together can not be separated, but if one removes any one ring the remaining two are not interlocked. The picture of Borromean rings is shown below.


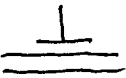

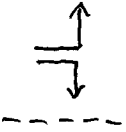

WELL = *is good*. "Is" is shown as *equal*, "good" is shown as *up bent arrow*



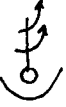
WORKER = *person behind work*. This sign is self-evident. Person *in front of* work is foreman



Borromean Rings

In explanation of the above 90 signs we have mentioned several additional signs which are listed below:

 <p>FOREMAN <i>person ahead of work</i></p>	 <p>OBSTACLE <i>against road</i></p>	 <p>PREPAYMENT <i>pay up</i></p>	 <p>PRUDENCE <i>path of good over bad</i></p>	 <p>ROADBLOCK <i>official obstacle</i></p>
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 <p>TUBER <i>part of root</i></p>	 <p>VERY COLD <i>below cold</i></p>	 <p>VERY HOT <i>above hot</i></p>		
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Although we will be adding few more words before reaching the end page, now is the time for the final word count. We have reached

$$W = 3000$$

Isn't this amazing that we have with relative ease arrived at an impressive vocabulary of 3000 words!

We are ready now for reading text in Nobel, which is illustrated in the next section of the book on 100 Chinese proverbs.

Part 4

Illustration of Nobel

Selection of Chinese Proverbs

In this section of the book we will illustrate use of Nobel by “translating” some text from English into Nobel. This is to be the first public demonstration of Nobel, in a way a historic event. For quite some time I was pondering what text to select for this very honorable situation. One of the thoughts was to take the initial verses of the Bible, which itself is a historic book. So I did prepare some 20 pages of the translation, but decided that this may not be the best choice in view of the religious context of the Bible, which would put Judaism and Christianity in somewhat privileged position. One could compensate this by including a translation of number from Koran, and then another selection from the holy book of Buddhism and so on. That may show some fairness, except for atheist, who would be left out. So I realized that the best is to keep religion out – in the spirit of the forefathers of these United States who decided that there is no official religion and that state and religion be treated separately.

Next though was to consider the document on The Human Rights, which is politically correct, and even those politicians (dictators) who are not practicing it do not dare publicly to denounce them. However looking at the document I realize, that while it deserves to be translated into Nobel, and one day I hope to find time for that, the text is not easy to read, it lack narrative.

Alternative would be to select some classic piece from the fine literature, but that is easy to say and almost impossible to accomplish – not because there are not fine composures, but because there are too many of fine pieces to select from. I could select something from Croatian Literature, that goes back to the poet of free town of Dubrovnik, Ivan Gundulić (1589-1638), who wrote among other a Hymn to Freedom, who is considered the patron of Croatian literature. Or I could select something from his predecessor, a writer Marin Držić (1508-1567), also from Dubrovnik, who is viewed as father of Croatian literature and whose comedy “*Dundo Maroje*” is still occasionally performed in Croatian theaters. This would be a good choice to add to the celebration of the 500 years of the birth of Marin Držić and thus contribute to the festivity as Croatia announced this year as the year of Marin Držić. The 500 anniversaries do not come often, because most of the Europe was at that time in darkens, with of course the exception of Italy, the birthplace of Renaissance. We may mention that not long ago the 500 anniversary of the use of mathematical sign + (for addition) was observed.

While the choice of some writing of Marin Držić or Ivan Gundulić, which are outstanding and have their own merit, would be welcome promotion of the cultural heritage of a small country Croatia (of which many have hardly heard in view of its unfortunate history and lost identity since the beginning of XI century, since when it was ruled by Hungarians, Austrians, Austro-Hungarians and eventually Serbians under the mask of Yugoslavia) there are multitude of outstanding literary contributions of those before Marin Držić or Ivan Gundulić, and of greater fame, like Italian poet Dante Alighieri (1265-1321) of *The Divine Comedy*, and Francesco Petrarca (Petrarch), (1304-1374), Italian lyric and scholar, and after Marin Držić or Ivan Gundulić, like Miguel de Cervantes (1547-1616) of one of the most famous novel *Don Quixote*, who greatly influence literature to follow. If we are to consider more recent literature then the choices







exponentially grow, and for every good choice there are hundred equally good if not better.

A way out of this nightmare is to turn to folk's literature and folk's wisdom. There are many folk stories that have been transmitted through generations and eventually saved for posterity with the emergence of the print. By examining a special journal that was printing text in Glagolytic script, which was widely used and died around the 10-th century in Bulgaria, Ukraine, Moravia (part of Czech country), but barely survived in Croatia till 19-th century and is cherished by few, including myself, even these days I came unexpectedly across one lovely short Ukrainian folks narrative. It is a story of dying young son, waiting to be taken by Death (a ghostly skeleton holding a scythe) who has been approaching. Father wanted to sacrifice himself instead and when Death agreed he changed his mind. The sister followed the same and also changed her mind. Then mother met Death and promised to give her instead, which was accepted. Mother than asked Death just once again to see her boy and was permitted to return to the house, but when she returned Death was walking away and boy recovered. This would be an excellent story worthy of inauguration of Nobel, except that I misplaced the text and could not find it. I will, however, when I recover the text, go ahead with transcription of this text into Nobel.






While I should apologize for the incident I am also very happy that I come across an outstanding alternative. During frequent visiting of bookstores on an occasion of visiting Half Price Bookstore (either in Houston or Des Moines, I do not recall now exactly) I came across the book: *Dictionary of 1000 Chinese Proverbs* (edited by Marjorie Lin and Schalk Leonard, published by Hippocrene Books, Inc, New York, at the price of \$ 3.98). This book is one of the Hippocrene Bilingual Proverbs Series, which includes African Proverbs, American Proverbs, Arabic Proverbs, Dictionary of 1000 Dutch Proverbs, Dictionary of 1000 French Proverbs, Dictionary of 1000 German Proverbs, Dictionary of 1000 Italian Proverbs, Irish Proverbs, Dictionary of 1000 Jewish Proverbs, Dictionary of 1000 Polish Proverbs, Dictionary of 1000 Russian Proverbs, Comprehensive Bilingual Dictionary of Russian Proverbs (5335 proverbs), Scottish Proverbs, Dictionary of 1000 Spanish Proverbs, Spanish Proverbs, Idioms and Slang, and International Dictionary of Proverbs.

I felt fortunate and blessed to come across the *Dictionary of 1000 Chinese Proverbs*, which I selected to transcribe in Nobel. First, with excerpts from this book we give the honor of introducing Nobel script to common people, to humanity at large. Moreover, we honor Chinese folk, people of long history of universal script. In fact in the second part of the *Dictionary of 1000 Chinese Proverbs*, those 1000 proverbs are all written in Chinese characters (thus book being bilingual English – Chinese). We have thus resolved our tantalizing problem of selecting the first written text in Nobel and on the following 40 pages we extracted 100 of Chinese proverbs out of those 1000. We hope that readers will have double pleasure: Reading Nobel script and reading selection of Chinese proverbs.




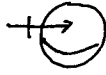



Love me little, loved me long.

				
LOVE	ME <i>person self</i>	LITTLE not big	LOVE	ME <i>person self</i>
				
LONG <i>part of distance</i>				




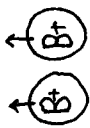



In times of peace, do not forget danger.

				
DURING	PEACE not war	DO NOT crossed do	FORGET not remember	DANGER basic sign



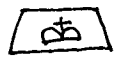


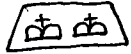
The well-fed don't know how the starving suffer.

				
PEOPLE	HAVING	LOT OF FOOD	DON'T KNOW	HOW
				
STARVING <i>hungry hungry</i>	SUFFER not pleasure			




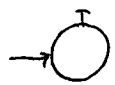

Good has its reward, and evil has its cost.


 GOOD	 HAS	 ITS	 REWARD <i>income above income</i>	 EVIL
 HAS <i>with with</i>	 COST <i>money depart</i>			

Eloquence is silver, silence is golden.

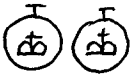





 ELOQUENCE <i>flying mouth</i>	 IS <i>equal</i>	 SILVER <i>basic sign</i>	 SILENCE <i>not speak</i>	 IS <i>equal</i>
 GOLD <i>silver silver</i>				

Health is not valued until illness comes.







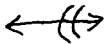



 HEALTH <i>crossed illness</i>	 HAS NO <i>crossed has</i>	 VALUE <i>time & money</i>	 TILL	 ILLNESS <i>friction in body</i>
--	--	--	---	--


 <p>COME <i>crawling legs</i></p>				
---	--	--	--	--

Wealth attracts thieves, as beauty attract evil.




 <p>WEALTH <i>lot of value</i></p>	 <p>ATTRACTS <i>lot of attention</i></p>	 <p>THIEVES <i>people with long hands</i></p>	 <p>BEAUTY <i>all beautiful</i></p>	 <p>ATTRACTS <i>lot of attention</i></p>
 <p>EVIL <i>overlapping bad</i></p>				

Better to drink the weak tea of a friend than the sweet wine of an enemy.




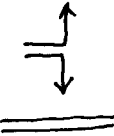
 <p>BETTER</p>	 <p>TO DRINK <i>water in mouth</i></p>	 <p>WEAK <i>not strong</i></p>	 <p>TEA <i>not coffee</i></p>	 <p>OF</p>
 <p>A FRIEND <i>person loved</i></p>	 <p>THAN</p>	 <p>THE SWEET <i>good taste</i></p>	 <p>WINE <i>wineglass</i></p>	 <p>OF</p>

 ENEMY <i>person hated</i>				
--	--	--	--	--








Practice makes perfect.

 PRACTICE <i>work again work again</i>	 MAKE <i>work output</i>	 PERFECT <i>accurate accurate</i>		
--	--	---	--	--

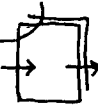


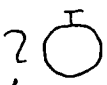








Honesty is the best policy.

 HONESTY <i>straight truth</i>	 IS <i>equal</i>	 THE BEST	 POLICY <i>good over bed</i>	
--	--	--	--	--



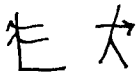



You can't please all of the people all the time of the time.

 YOU	 CAN'T	 PLEASE <i>crawling pleased</i>	 ALL OF	 PEOPLE
 ALL OF	 TIME <i>basic sign</i>			






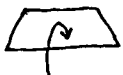
The lesson you learn when you are taken advantage of puts you at an advantage.

 <p>LESSON <i>part of textbook</i></p>	 <p>YOU</p>	 <p>LEARN <i>crawling in brain</i></p>	 <p>WHEN</p>	 <p>YOU</p>
 <p>ARE TAKEN</p>	 <p>ADVANTAGE <i>burden behind</i></p>	 <p>OF <i>from from</i></p>	 <p>PUTS <i>basic sign</i></p>	 <p>YOU</p>
 <p>AT</p>	 <p>ADVANTAGE <i>burden behind</i></p>			





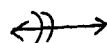
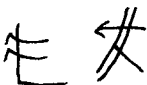


Don't wash your dirty laundry in public.

 <p>DON'T <i>do not</i></p>	 <p>WASH <i>in water in & out</i></p>	 <p>YOUR <i>belongs to you</i></p>	 <p>DIRTY <i>with spots</i></p>	 <p>LAUNDRY <i>fabric</i></p>
 <p>IN PUBLIC <i>on podium</i></p>				

Small boats shouldn't carry large load.








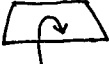
				
SMALL <i>not large</i>	BOAT <i>basic sign</i>	SHOULDN'T <i>must not</i>	CARRY <i>basic sign</i>	LARGE <i>basic sign</i>
				
LOAD <i>heavy toss</i>				



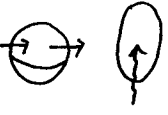
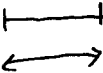
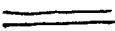
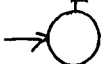

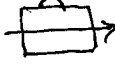

Clever people may be victims of their own cleverness.

				
CLEVER <i>brain up</i>	PEOPLE <i>basic sign</i>	MAY BE	VICTIMS <i>injured person</i>	OF <i>from from</i>
				
THEIR <i>belongs to them</i>	OWN <i>self</i>	CLEVERNESS <i>clever clever</i>		

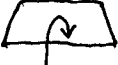




You can't appreciate the weight until you shoulder the load;


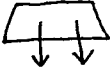
You can't appreciate the length of the road until you travel it.

		 APPRECIATE <i>understand effort</i>	 WEIGHT	 UNTIL
	 SHOULDER <i>carry</i>	 LOAD		
YOU	CAN'T <i>can not</i>			

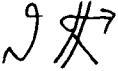



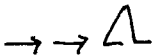




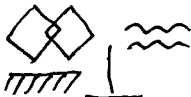
		 APPRECIATE <i>understand effort</i>	 LENGTH <i>distance from-to</i>	
				
YOU	CAN'T <i>can not</i>	APPRECIATE <i>understand effort</i>	LENGTH <i>distance from-to</i>	OF
THE ROAD	UNTIL	YOU	TRAVEL	IT

The load carried by another does not seem so heavy.






				
LOAD	CARRIED	BY	ANOTHER <i>some other</i>	DOES NOT

				
APPEAR <i>under eye</i>	HEAVY			



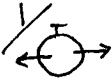


A single ant hole may lead to the collapse of an enormous dyke.



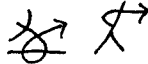
				
SINGLE <i>without others</i>	ANT <i>working insect</i>	HOLE <i>part of a loop</i>	MAY <i>need not</i>	LEAD
				
TO	COLLAPSE	OF	ENORMOUS <i>extremely large</i>	DYKE

You win by not gambling.

				
YOU	WIN	BY	NOT	GAMBLING <i>tossing coin</i>

You can never really fathom the mind of another.





				
YOU	CAN <i>with potential</i>	NEVER <i>not before not after</i>	REALLY <i>not fiction</i>	MEASURE <i>use scale</i>

				
MIND <i>basic sign</i>	OF	ANOTHER <i>some other</i>		






If you don't do bad deeds, you will not harm yourself.

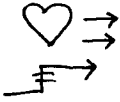

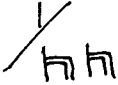

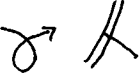
				
IF	YOU	DON'T DO	BAD	DEEDS <i>utput of doing</i>
				
YOU	WILL NOT	HARM <i>knife in body</i>	YOURSELF	

Selfishness is the root of all evil.








	=			
SELFISHNESS	IS	ROOT <i>part of tree</i>	OF ALL	EVIL <i>overlapping bad</i>

When the prince breaks the law, he should be punished like everyone else.



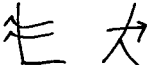







				
WHEN	PRINCE <i>not a king</i>	JUMP OVER	LAW <i>justice document</i>	HE

				
SHOULD	TAKE	PUNISHMENT <i>not luxury</i>	LIKE	EVERYONE <i>all persons</i>


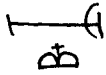

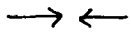

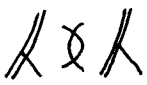
A walk after a meal makes for a long life.

				
WALK	AFTER	MEAL <i>time of food</i>	MAKES	FOR <i>against against</i>
				
LONG <i>shown on distance sign</i>	LIFE <i>heart signal</i>			




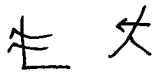

Do not swallow your food without chewing, and do not speak without thinking.

				
DO NOT	SWALLOW	YOUR <i>belongs to you</i>	FOOD	WITHOUT
				
CHEWING	AND	DO NOT	SPEAK	WITHOUT THINKING







Every one hundred miles you'll find different customs.

 EVERY	100 ONE HUNDRED	 MILE <i>official long distance</i>	 YOU WILL	 FIND
 DIFFERENT	 CUSTOMS <i>people around common</i>			






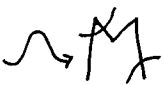




Every dog has his day.

 EVERY	 DOG	 HAS	 HIS	 DAY
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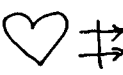



Where there's a smoke, there's fire.

 WHERE	 EXIST	 SMOKE	 THERE	 EXIST
 FIRE				

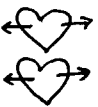


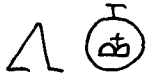
Great wealth is a gift from heaven, moderate wealth results from frugality.

 <p>GREAT <i>big size</i></p>	 <p>WEALTH <i>lot of value</i></p>	=	 <p>GIFT</p>	 <p>FROM</p>
 <p>HEAVEN <i>above sky</i></p>	 <p>MODERATE <i>avoid extreme</i></p>	 <p>WEALTH <i>lot of value</i></p>	 <p>RESULTS <i>end output</i></p>	 <p>FROM</p>
 <p>FRUGALITY <i>controlled spending</i></p>				

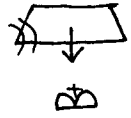
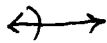

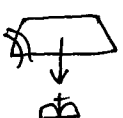
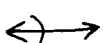

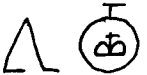
A tiger father will not produce a dog son.

 <p>TIGER <i>big cat</i></p>	 <p>FATHER</p>	 <p>WILL NOT</p>	 <p>PRODUCE</p>	 <p>DOG</p>
 <p>SON <i>growing father</i></p>				


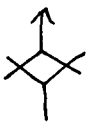

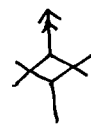
A pardon produces good fortune.

				
PARDON <i>excuse excuse</i>	PRODUCES	GOOD	FORTUNE <i>future wealth</i>	






An ounce of tolerance, an ounce of good fortune.


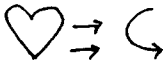
				
OUNCE	OF	TOLLERENCE	OUNCE	OF
				
GOOD	FORTUNE			

Like father, like son.

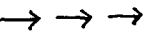




				
LIKE <i>close equal</i>	FATHER	LIKE	SON <i>growing father</i>	

If you don't kill the root, the problem will return.




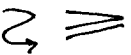
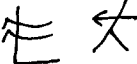



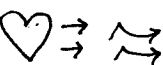



				
IF	YOU	DO NOT	KILL <i>knife in heart</i>	ROOT <i>part of tree</i>

				
DIFFICULTIES	WILL RETURN			

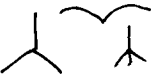





Constant effort yields certain success.

				
CONTINUOUS <i>follow follow</i>	EFFORT	PRODUCES <i>push output</i>	CERTAIN <i>toss apple</i>	SUCCESS <i>goal is behind</i>

A workman must first sharpen his tool if he is to do his work well.









				
WORKMAN <i>person behind work</i>	MUST <i>no choice</i>	FIRST <i>number 1</i>	SHARPEN <i>refine blade</i>	HIS <i>belongs to him</i>
				
TOOL <i>work with</i>	IF	HE	WILL DO	HIS
				
WORK <i>basic sign</i>	WELL			


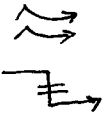



The cock that loves a fight grows no hear.

 <p>COCK <i>male hen</i></p>	 <p>THAT</p>	 <p>LOVES</p>	 <p>FIGHT <i>part of battle</i></p>	 <p>GROWS NO</p>
 <p>FETHERS <i>bird detail</i></p>				




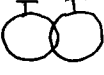

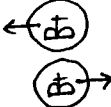




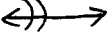
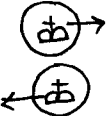
The arrow once released cannot be retrieved.

What is done cannot be undone.





 <p>ARROW <i>basic sign</i></p>	 <p>AFTER</p>	 <p>LET <i>not keep (fence)</i></p>	 <p>TO FLY</p>	 <p>IS</p>
 <p>IMPOSSIBLE <i>work without work</i></p>	 <p>PULL</p>	 <p>BACK <i>direction back</i></p>		

 <p>WHAT</p>	 <p>IS DONE</p>	 <p>CAN NOT</p>	 <p>BE</p>	 <p>UNDONE</p>
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

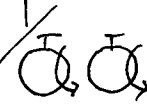

A day of reading is a day of gain; a day without reading is ten days of loss

 DAY <i>overlapping time</i>	 OF	 READING <i>eye above text</i>	= IS	 DAY <i>overlapping time</i>
 OF	 GAIN <i>revenue above cost</i>	 DAY <i>overlapping time</i>	 WITHOUT <i>basic sign</i>	 READING <i>eye above text</i>
= IS <i>equal</i>	10 10	 DAY <i>overlapping time</i>	 OF	 LOSS <i>cost over revenue</i>



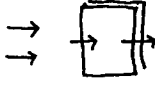




Monkey see, monkey do

 MONKEY <i>brain and no brain</i>	 SEE <i>eye and in-arrow</i>	 MONKEY <i>brain and no brain</i>	 DO <i>basic sign</i>	
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

A barking dog seldom bites

 DOG <i>teeth</i>	 PUSHING	 SOUND <i>music & noise</i>	 SELDOM <i>not often</i>	 BITE <i>part of an apple</i>
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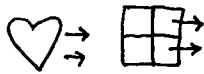
You cannot teach an old dog new trick

 YOU	 CANNOT	 TEACH <i>push textbook</i>	 OLD	 DOG <i>teeth</i>
 NEW	 TRICKS <i>uncommon ability</i>			









No man is an island

 PERSON	 IS NOT	 ISLAND <i>land above sea</i>		
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



As you sow, so shall you reap

 AS	 YOU	 SOW <i>field input</i>	 SO	 YOU
 WILL REAP				

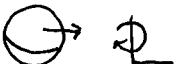
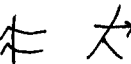
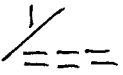


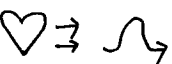

Ghost exist only for those who believe in them

				
GHOST <i>without body</i>	EXIST	ONLY	FOR	PEOPLE
				
BELIEVING	GHOST	EXIST		


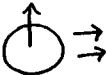

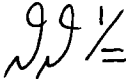

Time passes quickly – don't waste it

				
TIME	FLYING	FAST	DO NOT	WASTE TIME

Ponder your fault and you will avert mistake




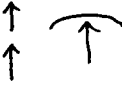
				
THINK ABOUT	YOUR <i>belongs to you</i>	FAULTS	AND	YOU
				
WILL AVOID	MISFORTUNE			






It is mistake to make mistake and not correct it




	=	$\frac{1}{=} =$		$\frac{1}{=} =$
IT	IS	MISTAKE	TO MAKE	MISTAKE
+				
AND	NOT	CORRECT <i>eliminate error</i>	IT	

The see cannot be measured by basket








Great minds cannot be fathomed by ordinary men

				/
SEA	CANNOT	BE	MEASURED <i>use scale</i>	BY
U				
BASKET				




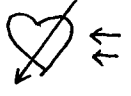

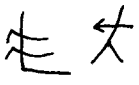

				
YOU	CANNOT	MEASURE	GREAT	MIND

				
BY	COMMON <i>overlapping parts</i>	MIND		




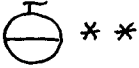








A true man does not fight against impossible odds

				
TRUE	PERSON	DOES NOT	FIGHT <i>part of battle</i>	AGAINST
				
IMPOSSIBLE	ODDS <i>win against</i>			










A true man takes responsibility for his action

				
TRUE	PERSON	TAKES	RESPONSIBILITY <i>deserving trust</i>	AGAINST
				
HIS/HER	ACTIONS			







Without the bitter cold of winter how can one enjoy the fragrance of the plum blossom ?

				
WITHOUT	BITTER	COLD	WINTER <i>snow season</i>	HOW
				
CAN	PERSON	ENJOY <i>touching pleasure</i>	FRAGRANCE <i>sweet air</i>	OF
				
FRUIT	BLOSSOM <i>tree flower</i>			











If the family lives in harmony all affairs will prosper

				
IF	FAMILY	LIVES	WITH	HARMONY
				
ALL	BUSINESS	WILL GO	WELL <i>good</i>	


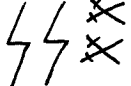

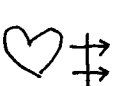
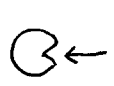
Even a small stream can tip a boat



				
EVEN	SMALL	STREAM	CAN	OVERTURN
				
BOAT				

If you want to cross a river you must first build a bridge


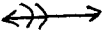



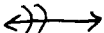

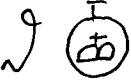
				
IF	YOU	WANT	CROSS	RIVER
				
YOU	MUST <i>no choice</i>	FIRST <i>number one</i>	BUILD	BRIDGE <i>basic sign</i>

Even a vicious tiger will not eat its offspring



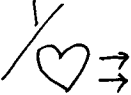




				
EVEN <i>extreme on platform</i>	VICIOUS <i>dangerous aggressive</i>	TIGER <i>big cat</i>	WILL NOT	EAT

				
ITS	CHILDREN			







A glut of food is tasteless, a glut of words is worthless

			=	
GLUT	OF	FOOD	IS	WITHOUT TASTE
			=	
GLUT	OF	WORD	IS	WITHOUT VALUE


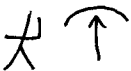
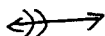

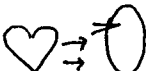


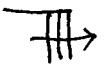
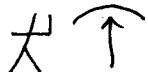


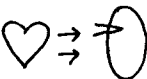

Square words won't fit into a round ear

				
SQUARE	WORDS	WON'T	FIT	INTO
				
ROUND	EAR			





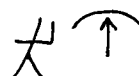

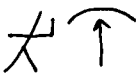
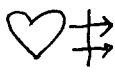


Pretty flowers are not necessarily fragrant

				
PRETTY	FLOWERS	NEED NOT	GIVE	BEAUTIFUL
				
SMELL				










Too much talk harms a person, and too much food harms the body

				
BEYOND	ENOUGH	OF	TALK	WILL INJURE
				
PERSON	AND	BEYOND	ENOUGH	OF
				
FOOD	WILL INJURE	BODY		

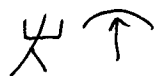

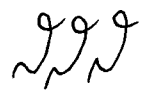

He who knows when enough is enough will not encounter misfortune

				
PERSON	WHO	KNOWS	WHEN	ENOUGH
				
IS	ENOUGH	WILL NOT	ENCOUNTER	MISFORTUNE

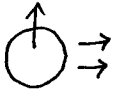








You can cover up fire, but you could not hide smoke

				
YOU	CAN <i>have potential</i>	COVER	FIRE	BUT
				
YOU	COULDN'T	HIDE	SMOKE	

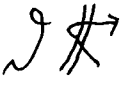



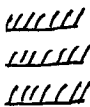

Too much heat destroys the food

				
TOO MUCH	HEAT <i>above fire</i>	DESTROY	FOOD	



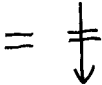


Forging iron requires great heat; making friends requires sincerity





				
MAKING	IRON	NEEDS	GREAT	HEAT
				
MAKING	FRIENDS	NEEDS	FRANKNESS	

A single spark can start a prairie fire





				
SINGLE <i>without others</i>	SPARK <i>flame flake</i>	CAN	START	PRAIRIE
				
FIRE				

A strong memory is not as good as a marginally written record

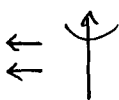
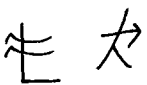





				
STRONG <i>with force</i>	MEMORY <i>brain & anchor</i>	IS NOT	AS	GOOD

				
AS	WORDS	ASIDE	MARGIN	



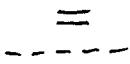


Beggars can't be choosers

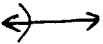

				
BEGGARS	CAN'T	BE	CHOOSERS	

Hoist your sail when the wind is fair

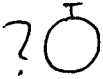









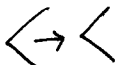


				
PULL UP	YOUR	SAIL	WHEN	WIND
				
IS	FAIR <i>pleasing eye</i>			

Disharmony within the home leads to attack from without

				
DISHARMONY	INSIDE HOME	IS PATH	TO	ATTACK



				
FROM	OUTSIDE HOME			

When the neighbor's House is on fire, you put yourself in danger if you don't help extinguish it





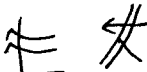





			=	
WHEN	NEIGHBOR	HOUSE	IS	ON FIRE
	=			
YOU	ARE	IN	DANGER	IF
				
YOU	DON'T	HELP	EXTINGUISH <i>kill fire</i>	IT

The grass is greener on the other side of a fence



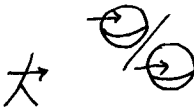





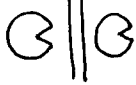
	=			
GRASS	IS	GREENER <i>more green</i>	ON	OTHER SIDE

				
OF	FENCE			

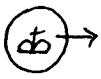





Those who don't get their feet wet don't catch fish

				
PEOPLE	WHO	DON'T	GET	THEIR
				
FEET	WET	DON'T	CATCH	FISH




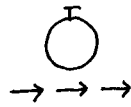
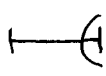
With causal acquaintance, engage not in deep conversation

				
WITH	PEOPLE	KNOW & DON'T KNOW	DON'T	TAKE
				
PART	IN	DEEP	CONVERSATION	

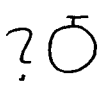




It cost nothing to ask for advice

 COST	 NOTHING <i>empty</i>	 TO	 ASK <i>speak question</i>	 FOR
 ADVICE				




Good times don't last long

 GOOD	 TIME	 DON'T	 LAST	 LONG
--	--	---	---	--










When in Rome do as Romans

 WHEN	 IN	ROME ROME	 DO	 AS
ROMANS ROMANS	 DO			










In wine there is truth (In vino veritas)

				
INSIDE WINE	EXIST	TRUTH		





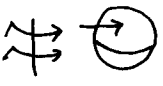

Wine can make you succeed or make you fail

				
WINE	CAN	MAKE	YOU	SUCCESS
				
OR	MAKE	YOU	FAIL	




The good mouth doesn't curse and the good hand doesn't fight

				
GOOD	MOUTH	DOESN'T	CURSE	AND
				
GOOD	HAND	DOESN'T	FIGHT <i>part of battle</i>	







He who has not tasted bitter knows not sweet

				
HE	WHO	DID NOT	TASTE BITTER	DOES NOT KNOW
				
SWEET				



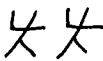


Happiness is helping others

	=			
HAPPINESS	IS	HELPING	OTHERS	




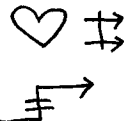



It is impolite not to give after receiving

	=			
IT	IS	IMPOLITE	NOT	TO GIVE
				
AFTER	RECEIVING			

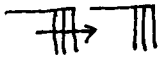




One is never too old to learn

	=			
PERSON	IS	NEVER	TOO	OLD
				
TO LEARN				


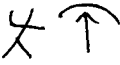



Old men shouldn't marry young wives

				
OLD <i>lot of time behind</i>	MALE	PEOPLE	SHOULDN'T	MARRY
				
YOUNG <i>lot of time ahead</i>	WIFES			

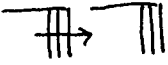



Excessive joy leads to sorrow

				
EXCESSIVE <i>beyond limit</i>	JOY	LEADS	TO	SORROW


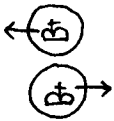



Truth is more powerful than force

 TRUTH	= IS	 MORE	 POWERFUL <i>with power</i>	 THAN
 FORCE				


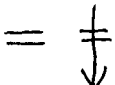
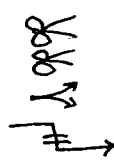

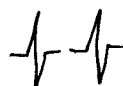
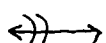
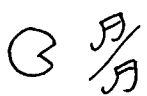
Excessive politeness conceals deceit

 EXCESSIVE	 POLITENESS	 COVERS	 DECEIT	
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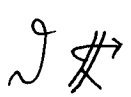


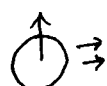

If profits are great, the risks are great

 IF	 PROFITS	= ARE	 GREAT	 RISKS <i>potential overturn</i>
= ARE	 GREAT			



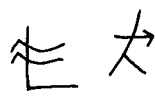







Truth is not determined by the volume of the voice


				
THRUTH	IS NOT	DETERMINED	BY	QUANTITY
				
OF	VOICE <i>mouth sound</i>			

A single tree does not a forest make



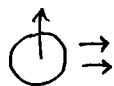




				
SINGE <i>without others</i>	TREE	DOES NOT	MAKE	FOREST

Get along with your neighbors and keep in contact with distant friends


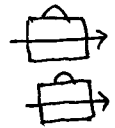
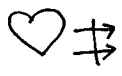
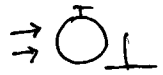




				
GO PARALLEL	WITH	YOUR	NEIGHBORS	AND
				
BE	IN	CONNECTION	WITH	DISTANT

				
FRIENDS				


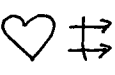

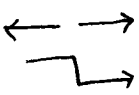


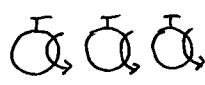



The one who creates the mess should untangle it

				
PERSON	WHO	CREATE	MESS	SHOULD <i>potential need</i>
				
UNTANGLE <i>cut knot</i>	IT			










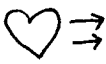





A long journey will not deter one with high aspirations


				
LONG	JOURNEY <i>lot of travel</i>	WILL NOT	DETER <i>act against</i>	PERSON
				
WITH	HIGH	ASPIRATION		

You won't get lost if you frequently ask directions




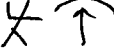


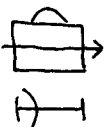


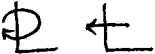
				
YOU	WILL NOT	BE	LOST	IF
				
YOU	FREQUENTLY	ASK	FOR	DIRECTIONS

If a man makes no provision for the distant future, he will certainly encounter difficulties in the near future






				
IF	PERSON	DOES NOT	MAKE	PLAN <i>think all</i>
				
FOR	DISTANT	FUTURE <i>time ahead</i>	HE/SHE	WILL
				
CERTAINLY <i>for certain</i>	ENCOUNTER <i>come face to face</i>	DIFFICULTIES	IN	NEAR

 FUTURE				
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




One benefit more from taking a trip than reading about it



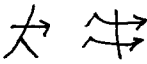



 PERSON	 WILL	 BENEFIT	 MORE	 FROM
 TAKING	 TRIP	 THAN	 READING	 ABOUT IT

Let sleeping dogs lie





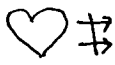
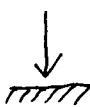






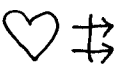

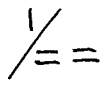
 LET	 SLEEPING	 DOGS	 BE	 HORIZONTAL
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You can't expect the horse to run fast if you don't let it graze

 YOU	 CAN NOT	 EXPECT <i>think coming</i>	 HORSE	 TO RUN
--	--	--	--	---

				
FAST	IF	YOU DO NOT	LET	IT
				
GRAZE				

Walk slowly and you won't fall down; act carefully and you won't make mistake

				
WALK	SLOW	AND	YOU	WILL NOT
				
FALL DOWN	ACT	WITH	GREAT	ATTENTION
				
AND	YOU	WILL NOT	MAKE	MISTAKE

Let us end with brief reminder that this is just 1/10 of the Chinese proverbs that we selected in somewhat arbitrary manner from the mention book. But the editors of the book, Marjorie Lin and Schalk Leonard had more difficult task in gathering this folklore in the first place. It is fitting to end this exposition of Chinese proverbs by a short paragraph from the introductory part of the book in which the editors explain their selection process for proverbs:

“Significance, as the central criterion of selection, includes frequency of use, but also refers to the tendency of the proverb to express traditional Chinese wisdom, beliefs, values, and aspirations. In this volume may be found proverbs that express Taoist and Buddhist truths, Confucian rules of prosperity, admonishments from the elderly, exhortations from parents, and advice from teachers. The reader may discover, after a generous perusal of the Chinese proverbs contained herein, certain unique and traditional features of Chinese life and thought. Among those features one may note a strong preference for the particular over the general and the concrete over the abstract, frequent use of symbolism, respect for the wisdom of the ancients, an emphasis on the study and learning, a tendency toward caution and frugality, strong esteem for hierarchy, reliance on individual ethics, and a search for truth through study of nature.”

Part 5

Challenges Ahead

*Picture is worth thousand words
In thousand languages
Picture is worth million words.*

Recent book “One Thousand Languages” edited by Peter K. Austin (University of California Press, Berkley and Los Angeles, 2008) outlines briefly living, endangered and lost languages all over the globe. Eleven languages have over 100 million speakers each:

Chinese	1,055 million	Arabic	205 million
English	760 million	Portuguese	191 million
Hindi	490 million	French	128 million
Spanish	417 million	German	128 million
Russian	277 million	Japanese	122 million
Bengali	230 million		

These 11 languages account for more than half of the humanity. According to this book there are an estimated 6900 languages spoken in the world of which 275 languages cover 96 % of world population. How can humanity efficiently communicate when even within similar languages there are dialects or variations that are not mutually understood. Just start with Chinese, which has been counted here as one language, which has two major distinct variations, in the north Mandarin, and in the south Cantonese. They are sufficiently different that speakers of these regions do not understand one another. Yet Chinese writings (characters), not only make possible for them to communicate, but allow people of Japan, who speak a language of quite different family, but who adopted Chinese characters for writing, to have a fair idea what written Chinese messages tell.

Nobel is language that has the same capabilities, that of being universal, equally accessible to speakers of all languages, including some 5000 if not 6000 which are dying, and spoken by less than million speakers, half of which spoken by less than 10,000. Advantage of Nobel, which is *in statu nascendi* (Latin for: “*in the state of being born*”), is that it has some simplicity (or elegance) in its structure, which is also reflected in the fact that learning more of Nobel strengthen one’s familiarity with the language and does not burden memory, as is the case with learning Chinese characters, at least for people having limited exposure to such writings.




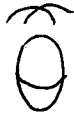






Another advantage of Nobel is its great pictographic content, not at the level of Egyptian hieroglyphics, but having enough of self-recognized elements, that will make possible for people 5,000 years and even 20,000 years after us to unlock out messages. One may say that we have been lucky to come across Rosetta Stone, written in hieroglyphic, demotic (simplified glyphs), and classical Greek, which made possible understanding of hieroglyphic writings. The languages of today are not to be around in the same form, and people of future times will not understand present languages, just as we cannot understand languages of 2000 thousand years. Illustration is Etruscan language, which still is not known to us. Etruscan was known to Romans as witnessed by the fact that Emperor Claudius, who reined 2000 years ago, was the last known scholar of Etruscan in the ancient world. Etruscan language has its own alphabet (based on Greek

but modified somehow) and there are numerous written remains, though most are short and, according to comment on the book on One Thousand Languages” hardly any of which was bilingual. In fact the longest Etruscan text, with some 1200 words, was discovered on wrappings of a mummy which is in Ethnographic Museum in Zagreb, Croatia for some 150 years. Mummy was bought by a Croatian minor official who, after working in Royal Chancellery in Budapest, retired and traveled several countries, including Egypt, where he bought mummy as a souvenir. After he died his family donated mummy to the Museum in Zagreb. For 50 years it was not known what language the inscription on the mummy belong, finally after mummy was sent to Vienna, an expert for Coptic languages identified script as Etruscan. Now comes an interesting question: Why would a mummy in Egypt be wrapped in folded paper (a book) in Etruscan language? It appears that Roman, who after Greek ruled Egypt adopted some customs of Egypt, including mummification of dead. This apparently created demand for cloths for wrapping mammals, which were not available in sufficient quantities and extended demand for other material, paper included. Thus some local community took advantage of good price for paper and sold their Etruscan book (for which they had no need), which thus ended as wrapping of the mummy in Zagreb.



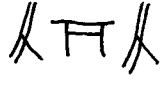

In summary, if we are to leave message for those coming 5000 years after, not to mention 20,000 years, the time that our nuclear waste will still be around hidden in salt mines and other locations, and still dangerous to life, we better also construct new Rosetta Stones, which could have hieroglyphic-like signs as they tend to be detailed picture symbols for those words that can be so depicted, Nobel, for the actual text and English – an all this better be all carved in stone – as stone seems to be the material that can withstand time. So Nobel Rosetta Stone is one of the challenges of the future. If the same text used for Nobel Rosetta Stone for other leading languages of the world perhaps future generations will be able to better understand the lack of understanding between the people of today, particularly the ruling people of today. As an alternative to a Nobel Rosetta Stone, would be multilingual dictionaries, hoping that some may survive the vulnerability of “soft” materials, like paper and remain preserved for long time.

One of the oldest multilingual dictionary is five languages dictionary of Faust Vrančić (1551-1617), also known as Fausto Veranzio: *Dictionarium quinque nobilissimarum Europae linguarum; Latinae, Italicae, Germanicae, Dalmaticae et Hungaricae*, (Dictionary of five noble European languages: Latin, Italian, German, Dalmatian and Hungarian) published in Venice in 1595, with 5,000 entries for each language. The term “Dalmatian” stand here for Croatian Čakavian Dialect spoken in Istria, along northern Adriatic coast, and on most of the Adriatic island (as well as in Croatian pockets in Austria, Hungary, and Slovakia). The dictionary has been reprinted in Zagreb in 1971. Perhaps it is time to expand this dictionary by including English, French, Spanish, Russian and Nobel – and stay with its original vocabulary of 5000 words? Not counting Latin (dead) and Nobel (just born) such 10-Language Dictionary would cover 1,785 million people, which is 10 million more than China (with Mandarin and Cantonese) and India (with Hindi and Bengali), the two most populous countries in the world together. In time to come Nobel can easily count for additional 1,785 million people, if not more!


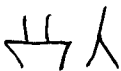

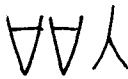
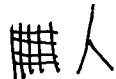


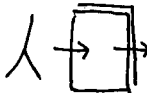


But we live today and have other challenges to meet, including when speaking of Nobel, further development of the vocabulary, so that one can meet common needs of our time. Although we passed 3000 words, there are number of common words that we are still missing – and they are missing because we do not yet have suitable *simple* signs for such. Just to mention few, consider items of cloths: shirt, jacket, coat, skirt, underwear, socks, scarf, and such. We have seen very few clothing items, e. g., *hat* (basic sign) and *gloves* (hand cover). We could easily add few by taking advantage of the word “cover”

				
GOWN <i>body cover</i>	SUIT <i>gown cover</i>	OVERCOAT <i>suit cover</i>	T-SHIRT <i>chest cover</i>	SHIRT <i>t-shirt cover</i>
				
JACKET <i>shirt cover</i>	UNDERPANTS <i>belly cover</i>	PANTS <i>underpants cover</i>	OVERALLS <i>pants cover</i>	SKIRT <i>not pants</i>


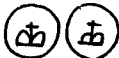
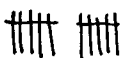
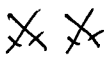






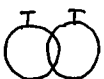
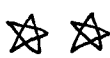



We could continue, but this suffices to illustrate the spirit of the “search” for “missing words.” Observe that even if the proposed signs are still too general, there is definite logic in structure of such words (that is, arrangement of signs forming words). We have already seen *logic* in several other group of signs. For example:






				
HUMANITY <i>people around globe</i>	ADMINISTRATION <i>people around government</i>	BUREAUCRACY <i>people around desk</i>	INTELGENTSIA <i>people around book</i>	

And signs like:



				
DOCTOR <i>ahead of sick</i>	CAPTAIN <i>ahead of ship</i>	INSTRUCTOR <i>ahead of textbook</i>	CATTLEMAN <i>ahead of cattle</i>	WARDEN <i>ahead of prison</i>
				
NURSE <i>behind sick</i>	SAILOR <i>behind ship</i>	STUDENT <i>behind textbook</i>	COWBOY <i>behind cattle</i>	PRISONER <i>behind prison</i>

To this we may add, by taking advantage of 2-dimensional nature of graphical language which allows placing the same signs in different orientations, few illustrations:

				
LOVE	RICH	BARRIER	WAR	MASSACRE
				
ENTHUSIASM	CAPITAL	BARRICADE	MILITARY	BLOODSHED
				
DAY	CONSTELLATION	TELESCOPE	WOOD	ORDER

				
SIMULTA- NEOUS	DECORATION	MICROSCOPE	OLD GROWTH	INSTRUCTON

We could continue with additional illustrations but rather than repeating already presented words or words not shown, which could be constructed, let us show how we can use such opportunities of 2-dimensional nature of graphical language for *novel* words, words that are of *recent* time or *recent interest*, and which one will not find in dictionaries. One such term is “the same sex marriage.” Of course, we have sign for *marriage*, sign for *sex*, and sign for *same* and these can be combined to construct sign for the same sex marriage. But there are some hidden *linguistic* problem with the word *marriage*, which in different languages only relates to “union of male and female.” For illustration in Croatian language there are two words that correspond to marriage, one related to female and one to male. Thus, if liberally translated, in Croatian language for a man *marriage* is “getting woman,” and for woman *marriage* is “giving self.” The very word for wedding, marry, get married in Croatian are based on the root “woman” – thus two man cannot “get married,” because the word imply woman, though two women could (linguistically speaking)! It is conceivable that in some languages the etymology of words makes possible for man to get married and female not, or as is in English, anyone can get marriage, because the word is asexual. Be as it may, it seems better if we could have different signs for traditional marriage and the same sex marriage, and yet try to avoid to have signs that would involve visibly different components and thus perpetuate discrimination. Here we take advantage of 2-dimensional nature of graphic language and we advocate for traditional marriage and the same sex marriage the signs shown below, respectively:

	
MARRIAGE	SAME SEX MARRIAGE

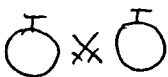


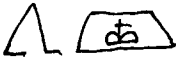
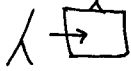




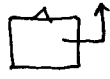
The traditional marriage is shown as *horizontal* marriage and the same sex marriage is shown as *vertical* marriage. In a way one can view the two signs as synonyms, two words with the same or similar meaning. Among those 3000 words that we have so far covered we have seen numerous synonyms, which we have described rather briefly, but because synonyms involve some arbitrary decisions and challenges we will and this book by an overview of problems and challenges involved in design of synonyms.

Synonyms in Nobel

At the very beginning, after introduction of the first 60 basic signs, we have outlined construction of antonyms, opposites. There are three routs in Nobel for construction of opposites: *inversion* of sign, *crossing* of sign and constructing the *reciprocal* of a sign. The inversion and crossing are, however, limited to few signs for which such modifications do not cause confusion, while the third approach has been widely used, and used not only for opposites, but for words that are closely associated with each other. So there are no difficulties in constructing antonyms in Nobel.

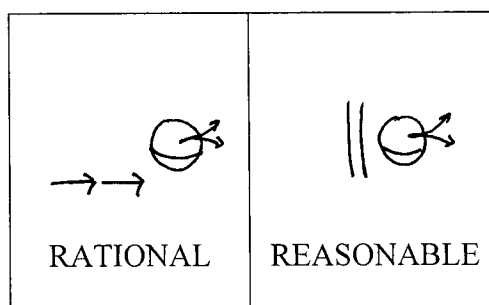
In contrast, the situation with construction of signs synonyms is more complex and lack any simple rules. There are few exceptions, the words which are true synonyms and stand for identical concepts or objects. Such is the case snake – serpent in English, but in Nobel the sign for snake stands for non-venomous serpent, which is modified for viper by inverting the head-tail positions. The triplet: mountain lion-cougar-puma are synonyms and one sign would suffice, but we left two signs for this case: mountain lion is shown as mountain & king animal, and cougar, which is shown as mountain & big cat. There are, but rather few, additional synonyms which are represented by two signs, like holiday= day to relax, and holiday = horizontal day (day in which if you wish you can stay in bed – be horizontal). Similarly vacation is shown in two different ways: vacation = travel we love; and vacation = lot of relaxation, and an old person is shown as person having lot of time behind and as a shrinking person. So one has a choice to use one or the other, or even both, if they apply, because the signs though relating to the same, like vacation, there are different forms of vacation, and some may like to travel, some may like to lie down in a shade.

We continue with illustrations of several synonyms:

				
TIME CONFLICT	CONTEMPO- RARY	FRESH	CHALLENGE	GOOD- LOOKING
				
TIME CONFLICT	CONTEMPO- RARY	FRESH	CHALLENGE	GOOD- LOOKING








The signs are fairly transparent and hardly need comment. Why we need two signs, if one can do? Well, most synonyms refer to similar and not quite identical situations, and this is the case with the sign shown above, except perhaps for the sign for *time conflict*. Consider *good-looking* signs. One refers to a person but the other is more general and applied to anything else what is good looking. Similarly the sign of *fresh* involving ascending arrow, which bears some relationship with the sign for *new*, involving ordinary arrow entering into time, is OK to use if you speak of fresh fruits, fresh fish or fresh bread, and in general of fresh food, but if you speak of fresh weather that cool-no cool sign would be appropriate. The same can be said about the sign for *challenge*, which can be physical or mental, and one can discriminate them using the alternative signs.

Some brief comment can be added relating to the elements of arbitrariness in words of similar meaning. Consider, for example, already mentioned love – enthusiasm; barrier – barricade; constellation – decoration; order – instructions; and so on. One could have assign the same words to the “horizontal” and “vertical” combinations in just the opposite way and in most cases both alternatives would be equally legitimate. This is also the case even when different signs are used as illustrated below:



We have selected *rational* to be shown and *following reason* and *reasonable* as being *parallel with reason*, that is, *agree with reason*. But as said, the other way round could equally suffice.

Real challenge in designing signs are not the strict synonyms, but words that have similar or related meaning, such as, to give but one illustration: atrocious, wicked, cruel, savage, brutal, ruthless, terrible, horrible, dreadful, awful, vile, wretched, contemptible. Among the 13 words listed above one can find that six have been invaded in our list of 3000 words of Nobel considered in this book, while six were not (atrocious, brutal, ruthless, horrible, dreadful and wretched). The word contemptible has also not been included, but the word contempt has been, so we covered in this case half of the words listed under atrocious in “*The Clear and Simple Thesaurus Dictionary*” by H. Wittels and J. Greisman and edited by W. Morris (published by Scholastic Inc., New York 1998). Just to refresh our memories here are the signs for the selection of the words:

				
WICKED	CRUEL	SAVAGE	TERRIBLE	TERRIBLE
				
AWFUL	VILE			

And here are challenges waiting resolution

ATROCIOUS	BRUTAL	RUTHLESS	HORRIBLE	DREADFUL
WRETCHED	CONTEMPTIBLE			

Clearly in order to arrive at signs for such synonyms one has to know the language so well to feel the difference between the synonyms. According to ENCARTA dictionary one finds the following:


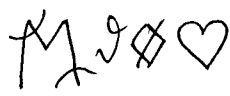
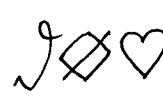
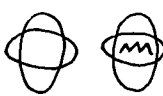
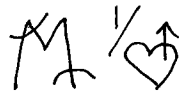
- Atrocious:
- (1) appallingly bad
 - (2) extremely evil or cruel
 - (3) so ugly in taste or appearance as to elicit revulsion



- Brutal: (1) extremely ruthless of cruel
 (2) unrelentingly harsh and severe
 (3) direct or insensitive in manner or speech
 (4) relating to or typical of beasts or lower animals
- Ruthless: (1) having or showing no pity or mercy
- Horrible: (1) very bad, very unpleasant, or caused by anxiety or fear about something bad
 (2) sufficiently frightening, distressing or shocking as to provoke horror
 (3) unkind, rude, or ill-behaved
- Dreadful: (1) extremely unpleasant, harmful, or serious in its effects
 (2) extreme in character or degree
 (3) inspiring awe
- Wretched: (1) feeling very unhappy or ill
 (2) in a state of great hardship, deprivation, and hopelessness and arousing sympathy in others
 (3) seriously inadequate or of very low quality
 (4) provoking irritation of anger

As one can see, except for ruthless, all other words have 3-4 different meanings. In addition atrocious and brutal overlap in one of their several usages, describing it as extremely cruel. Finally, in one of its meaning horrible is described circularly, using word horror; something that mathematicians would frown upon.



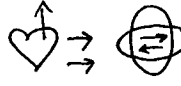
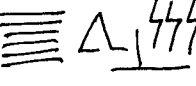

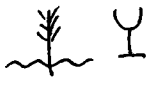
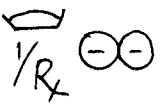
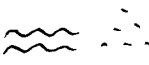



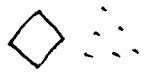

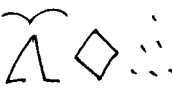
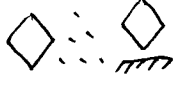
We will try to come with some answers, but there are still some hidden difficulties that need to be considered. Let us return to the already mention doublet for *atrocious* and *brutal* characterized as *extremely cruel*. We have in Nobel sign for extreme (top and the bottom of a mountains) and cruel (without heart) but we cannot combine the two, because in Nobel cruel is shown as *without heart* and if a person is without heart – we cannot have: “extremely without heart,” just as dead person cannot be more dead, than already is.

We follow with signs for the set of synonyms which we propose:

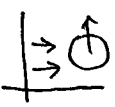
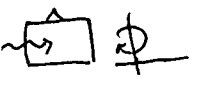
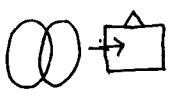
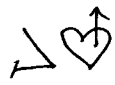





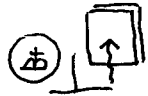
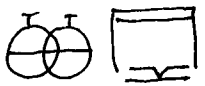
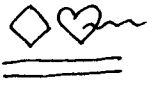
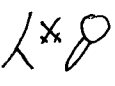
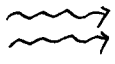


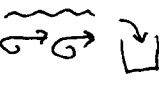
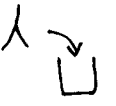

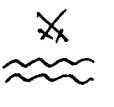
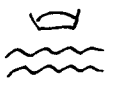



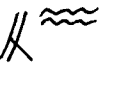
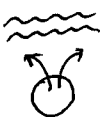
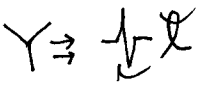

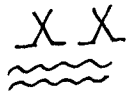

				
ATROCIOUS <i>extremely evil</i>	BRUTAL <i>extremely ruthless</i>	RUTHLESS <i>without mercy</i>	HORRIBLE <i>complete fear</i>	DREADFUL <i>extremely unpleasant</i>

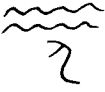

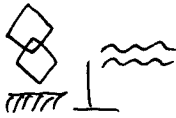
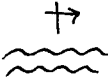

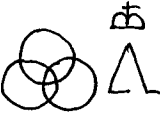

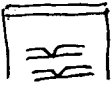





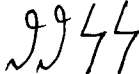



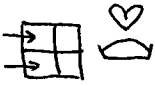

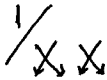
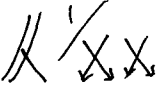
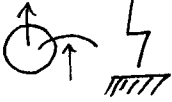
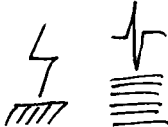



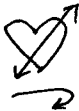


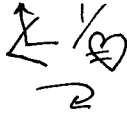
 WRETCHED <i>extremely unhappy</i>	 CONTEMPTIBLE <i>have contempt</i>			
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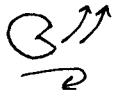
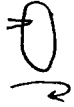

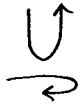
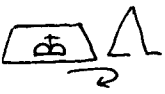
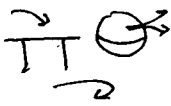



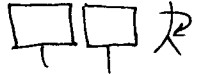

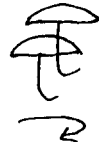

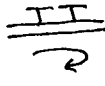

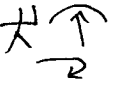


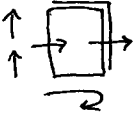

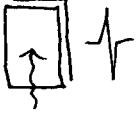
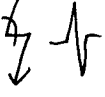

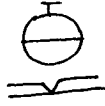


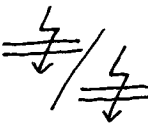
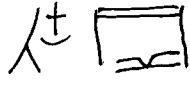
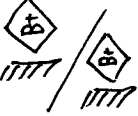
Observe that even though we have not listed the above seven words in our list of some 3000 Nobel signs, if you would come across these signs you would read them just as the subtitles in italics show. Thus if you would come across the first of these seven signs you would read it as EXTRMELY EVIL, and if you know English sufficiently well you yourself will recognize the message as ATROCIOUS. What this means is that by learning some 3000 words you have in fact learned at east double that number! Hence, you may claim knowing not 3000 but 6000 words of Nobel. This may appear preposterous claim, but we will demonstrate that his is the case. For this we selected words starting with letter *S*, which is the letter in English with the largest number of words. There are 335 words starting with letter *S* in this book. On the following pages we will list another 335 words starting with *S*, all of which one should be able to understand without elaborations.


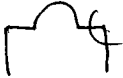

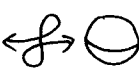
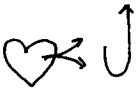




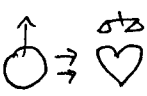
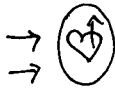




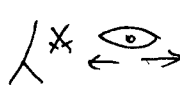
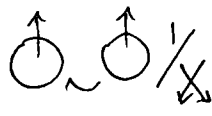
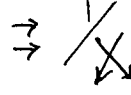
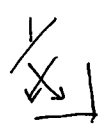
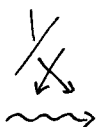
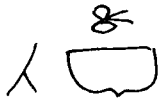


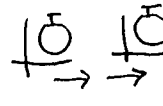


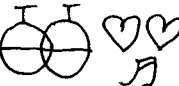
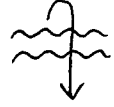
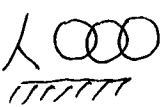

 SACCHARIN	 SACRIFICE	 SADISM	 SAGA	 SAINT
 SAKE	 SALMO- NELLA	 SALT	 SALUTE	 SALVAGE
 SANATORIUM	 SAND	 SANDBAG	 SANDPIPER	 SANDSTONE

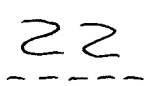
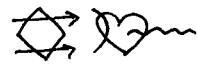
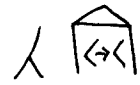
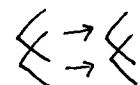
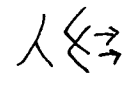

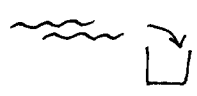

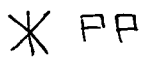
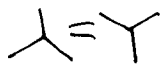
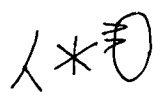

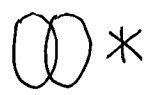

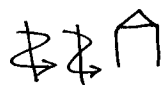
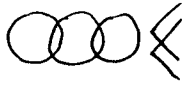
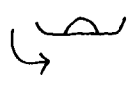
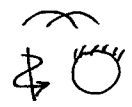
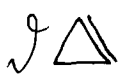
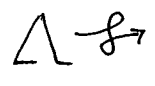
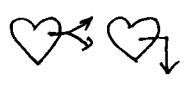

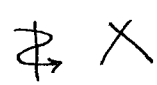
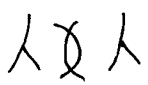
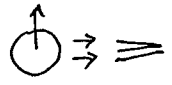
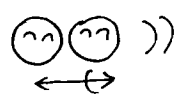
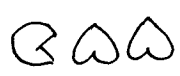

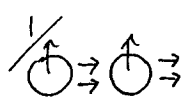
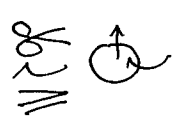
SANDSTORM	SANITARY	SANITIZE	SAP	SARCOMA
SARI	SATELITTE	SATIATE	SATISFACTORY	SATISFIED
SAUCER	SAUDI ARABIA	SAVANNA	SAW	SAWDUST
SAWMILL	SAY	SAYING	SCAFFOLD	SCAFFOLD
SCALP	SCALPEL	SCAN	SCAN	SCANDAL
SCANT	SCAPEGOAT	SCARF	SCATTER	SCAVENGER









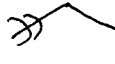


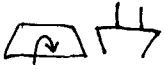








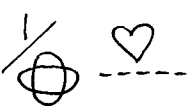


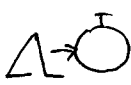

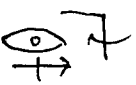

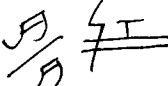

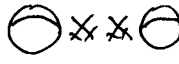
				
SCENE	SCENERY	SCENIC	SCENT	SCHEME
				
SCHIZOPHRENIA	SCHOLAR	SCIENTIST	SCHOOL	SCHOLARSHIP
				
SCHOOL YEAR	SCLEROSIS	SCOUT	SCRAMBLE	SCRIBBLE
				
SCRUTINIZE	SCUM	SCUM	SCURVY	SEA BATTLE
				
SEA FOOD	SEA HORSE	SEAL	SEAMAN	SEAMEN
				
SEA MINE	SEAMSTRESS	SEAPORT	SEA RESORT	SEASCAPE








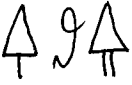


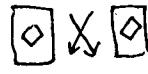








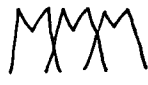
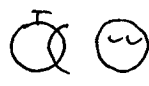
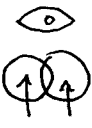

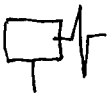
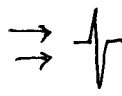





				
SEA SNAKE	SEA URCHIN	SEA WALL	SEAWARD	SEAWEED
				
SECEDE	SECLUDED	SECONDARY SCHOOL	SECRET	SECRET POLICE
				
SECRET SERVICE	SECT	SECULAR	SECURE	SEDIMENT
				
SEDUCE	SEEDLING	SEEDCAKE	SEEK	SEGREGATE
				
SEGREGATION	SEISMOGRAPH	SEISMOGRAPH	SEIZE	SELECT
				
SELECTION	SELF-CONFIDENCE	SELF-CONTRADICTION	SELF-CONTROL	SELF-DECEIVING



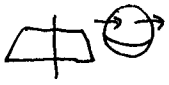



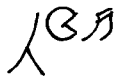




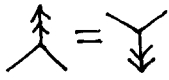


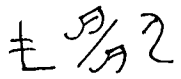
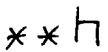


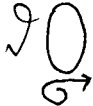


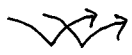


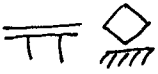
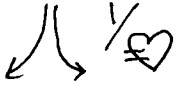


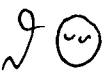

				
SELF-DEFENCE	SELF-GLORIFICATION	SELF-HARMING	SELF-IMPORTANCE	SELF-IMPROVEMENT
				
SELF-INTEREST	SELF-JUSTIFICATION	SELFLESS	SELF-LOVE	SELF-MUTILATION
				
SELF-PROMOTION	SELF-PROPELLED	SELF-PROTECTION	SELF-PUBLISHED	SELF-RESTRAINT
				
SELF-SERVICE	SELF-SUFFICIENT	SELF-SUPPORTING	SELF-TALK	SELF-TAUGHT
				
SELF-WILL	SEMANTICS	SEMAPHORE	SEMEN	SEMESTER
				
SEMI-AUTOMATIC	SEMICIRCLE	SEMI-CONDUCTOR	SEMINARY	SEMI-PRECIOUS STONE

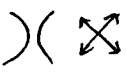

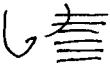



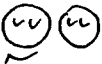



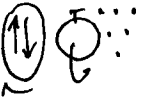



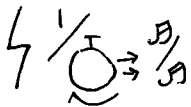


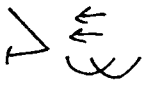



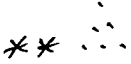








				
SENATE	SENATE	SENATOR	SENILE	SENSA-TIONAL
				
SENSE	SENSELESS	SENSIBLE	SENSITIVE	SENSITIZE
				
SENSUAL	SENTENCE	SENTIMENT	SENTIMENTAL	SENTINEL
				
SENTRY	SEPARABLE	SEPARATE	SEPARATED	SEPARATION
				
SEPARATIST	SEPSIS	SEPTIC	SEQUEL	SEQUESTER
				
SERAPH	SERENADE	SERENE	SERF	SERIOCOMIC

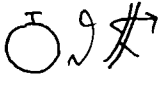
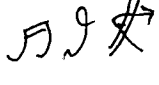
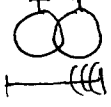




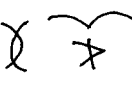



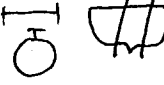





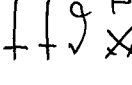

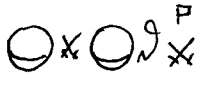
				
SERPENTINE	SERUM	SERVANT	SERVICE	SERVICEMAN
				
SEVER	SEWAGE	SEWER	SEX APPEAL	SEX EQUALITY
				
SEX OFFENDER	SEXUAL	SEXUAL INTERCOURSE	SEXY	SHACK
				
SHACKLES	SHADE	SHAGGY	SHAKY	SHAMBLE
				
SHAME	SHAMROCK	SHANTY	SHARE	SHARPEN
				
SHARP-EYED	SHARP-TONGUED	SHARP-WITTED	SHATTER	SHEAR

				
SHEATH	SHELF	SHELTER	SHEPHERD	SHERBET
				
SHIFT	SHILLING	SHIN	SHINGLE	SHIPPING
				
SHIPYARD	SHIPLOAD	SHIPWRECK	SHIT	SHIVER
				
SHOAL	SHOCK	SHOE	SHOOTING STAR	SHORT
				
SHORTCOMING	SHORTHORN	SHORT LIST	SHORTLY	SHORT SIGHT
				
SHORT-SIGHTED	SHORT TEMPER	SHOT	SHOW	SHOWDOWN

				
SHOWER	SHRAPNEL	SHRED	SHREW	SHREW
				
SHRINK	SHROUD	SHRUB	SRUG	SHUFFLE
				
SHUFFLE	SHUT	SHUTTER	SICKLE	SIDE
				
SIDE BY SIDE	SIDE DISH	SIDEWALK	SIEGE	SIERRA
				
SIESTA	SIGHT	SIGHTSEEING	SIGN	SIGNALIZE
				
SIGNIFICANT	SIGNPOST	SILHOUETTE	SILLY	SILO

				
SIMMER	SIMPLE	SIMPLE	SIMPLIFY	SINCE
				
SINCERE	SINGER	SINGLE-HANDED	SINISTER	SIP
				
SIREN	SISSY	SISTER-IN-LAW	SIZABLE	SIZZLE
				
SKI LIFT	SKILL	SKILLED	SKINNED	SKINHEAD
				
SKINNY	SKIP	SKIPPER	SKYLIGHT	SLAB
				
SLANDER	SLASH	SLATE	SLEEPLESS	SLEET

 SLIM	 SLIT	 SLOGAN	 SLOWDOWN	 SLUM
 SLUMBER	 SLUMBEROUS	 SLUSH	 SMACK	 SMACK
 SMALLPOX	 SMITH	 SMUGGLE	 SNACK	 SNAP
 SNARE	 SNATCH	 SNIFF	 SNORE	 SNOWBALL
 SNOW GOOSE	 SNOW POWDER	 SOAPSTONE	 SOBER	 SOCIAL
 SOFT WATER	 SOJOURN	 SOLAR ECLIPSE	 SOLAR YEAR	 SOLITARY

				
SOLITUDE	SOLO	SOLSTICE	SON-IN-LAW	SOOT
				
SORROW	SPARK	SPARROW	SPECTACLE	SPECTATOR
				
SPEED BUMP	SPEED ZONE	SPELEOLOGY	SPLINTER	SPOKESMAN
				
STAG	STAGGER	STALEMATE	STALL	STANDOFF

We arrived at 335 new words without even exhausting letter *S*, there being still words starting with *ST*, *SU*, *SV*, *SW* (no word in English that starts with *SX*), and *SY*. There is also no word in English with *SZ* if we exclude cities (like Szeged in Hungary and Szczecin in Poland) and people, like Leo Szilard (1898-1964) Hungarian born US biophysicist, one of early advocates of peaceful use of atomic energy, mentioned in Encarta Dictionary at my disposal. This ought to support our supposition that rather than having opportunity to become acquainted with a vocabulary of over 3000 words of Nobel more likely is that one will be in position to make sense of messages using double that many signs.

Who needs 3000 or 6000 signs? Why have we not selected a smaller vocabulary, such as 800 words of the Basic English of C. K. Ogden, or 1000 words of Essential English of C. E. Eckersley? Well, once we reach 3,000 or 6,000, or even 20,000 we

could consider construction of Basic Nobel of 800 words, or Essential Nobel of 1000 words, or Fundamental Nobel (to parallel currently non-existing “Fundamental English”) based on judicious selection of 2000 signs, by enlarging vocabularies of C K. Ogden and C. E. Eckesley. And I am confident that some such versions with limited vocabulary will emerge sooner or later, as most of us can live happily without knowing anything about ornithology or leaping second. Italian mathematician Giuseppe Peano (1858-1932) in 1903 announced his work on an international auxiliary language called *Latino sine flexione*. It uses Latin vocabulary with simplified grammar and without irregular and anomalous language forms as much as possible, to make this language easier to learn. For example, according to Peano, instead of saying “I was yesterday in Chicago” one could say “I am yesterday in Chicago,” because the word “yesterday” already tells that this was past and not present time. I mentioned Peano also to point out that he prepared a dictionary of 10,000 words of this simplified Latin, which I took as an indicator that a vocabulary of 10,000 – 20,000 may suffice for initial development of a new language.

Let us return to the question: Who needs 3000 or 6000 signs? Well, if one is to consider translating shorter or longer text from English to Nobel it is better to have available larger vocabulary than being stuck with words for which no translation (or transcription) is available. Or if one is considering writing one’s own diary in Nobel, as I am contemplating, again it is better to have more words than less. To facilitate such “exercises” for those readers who have time and patience, at the end of this book is compiled “Index of Words,” which will make easy to find adequate Nobel sign for an English word. Next to each word in the Index is indicated the page the first time the sign appeared (and where it has been most likely explained).

Now why should someone wish to write personal diary in Nobel and not in English? Roman Emperor Marco Aurelie (121 - 180) has written a book (in Greek) to himself, book not to be published. This is not a diary, as it is not listing chronologically events of interest, but is more about reflections on self, others, and words and nature around. One may say that this is a *private* book. Only later book was discovered and is now available to anyone speaking languages in which book has been translated. I have Croatian translation and I am contemplating, as one option, to translate this book, or more likely, parts of the book, in Nobel. Providing a permission for the translation will be given, this will be important for two reasons: (1) Translation of the book will allow for further development, improvement and possible revision of Nobel, and may even help in identifying “fundamental” words (those 2000 words that are most useful in practical communication); (2) It will make this excellent book of Emperor Marco Aurelie (in Latin: Emperor Caesar Marcus Aurelius Antoninus Augustus), the last of five good emperors of Rome, available to speakers of 1000 languages. But let us try to answer the question raised: Now why should someone wish write personal diary in Nobel and not in English, or his/her native language? Besides having pleasure to face challenges from time to time, when struggling to find or even invent the most suitable sign for missing words, a diary written in Nobel has some advantage of preserving privacy of your own thoughts at least for a while, for the time your neighbors are Nobel-illiterate!

Why book of Marco Aurelius. I can again think of two reasons: The first reason is that even though one could select almost any book of one's preference for translation, there is an "honor" of the *first translation* in Nobel. We have a selection of Chinese Proverbs to honor Chinese 4000 years of writing. Book of Marco Aurelius, emperor and philosopher, deserve our attention. He was the last of the so-called five good Emperors, demonstrating that power need not corrupt, and that it is possible, though exceedingly rare, that world rulers throughout the history, have wisdom beside power. The second reason is that Marco Aurelius, by bringing from southern Italy grape to hilly area of Danube near the border of Croatia and Serbia, he left a gift for posterity, excellent vine of Fruška Gora (mountain), which we still today, 2000 years later, continue to enjoy. So he deserves to be remembered!

Let us end with comments on translations of text from one language to another – a task which is far from straightforward. Translations are in general considered to be necessarily deficient, involving unsuspected and suspected hurdles. Recent book of Umberto Eco, "The Perfect Language" elaborates on this theme. Let only add here that computer-based language translations are still not adequate, even if progress were made. Perhaps here Nobel can be of some interest and help, and play a role of a meta-language, an intermediate language between two languages? Just a thought.

Finally let us comment on a single sign, which illustrates that language is not mathematics. There are the two signs for SCAN that we have just shown. The word *scan* according to *Encarta World English Dictionary*, as a verb has nine different interpretations, and additional two as a noun. We selected the first two (presumably the most common) meaning of this word as a verb, which are as follows:

- (1) EXAMINE SOMETHING IN DETAIL to subject something to thorough examination
- (2) LOOK THROUGH SOMETHING QUICKLY to look through or read something quickly

So, there is a contradictory message. It is up to reader to decide which meaning applies in which situation. Be as it may, similar contradictory meanings of words possibly occur in other languages. Consider Croatian word BLAGO, which has four meaning, two of which are in contradiction as has been the case with English SCAN. Here are the four meaning and comment that may explain the contradiction:

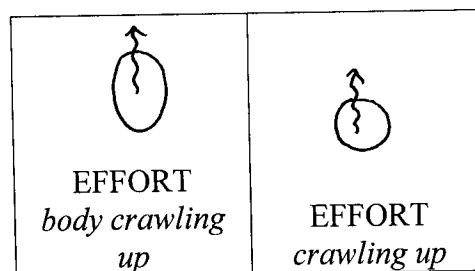
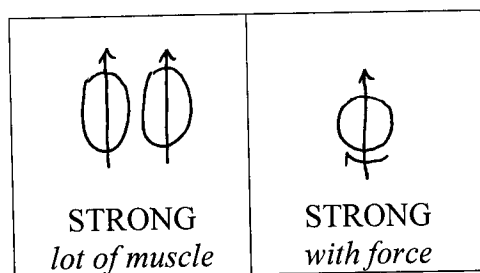
- (1) TREASURE
- (2) CATTLE
- (3) GENTLE
- (4) WILD BEHAVIOR

In medieval times having cattle was like having treasure, so the two became synonym. And if you are gentle with cattle you may get better yield. There was some report that playing classical music while milking cows gives more milk – if that was the case it would provide an illustration of gentle behavior. The last and contradictory meaning comes with using the word to describe wild behavior, lack of manners, what is the case with cattle and with wild youth, to which such offensive description are sometimes directed.

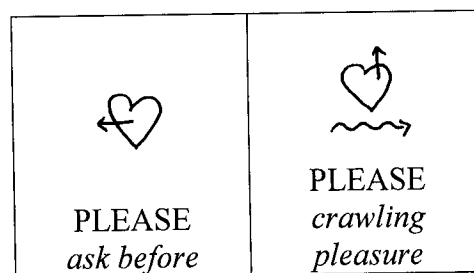
Looking to the Future

It has been pointed out at the beginning of the book, in the Foreword, that it is difficult and even almost impossible to speculate on the future of chances of an artificial language to be widely accepted. Despite being optimistic it would be unwise to enter such speculation. There is no doubt that there will be group of enthusiasts as well as skeptics, some of whom will be experts in language affairs and some of whom may be familiar with language issues. Let them to debate the issue on the future of Nobel, which is neither constructed for expert linguists nor for university professors, but their views may contribute to further improvement of the graphical language Nobel. Nobel is constructed for “common” people, which of course, includes university professors, language students, and graduate students interested in languages in general and artificial languages in particular. But on the other side of the spectrum are people who may wish to communicate, or be informed, about things around, in environments in which they are not able to understand messages. There is one group that we have not mentioned, the illiterate people, of effectively illiterate, who can benefit from some familiarity with Nobel. And this is not so small group of people even in some developed countries, including USA. Thus, Nobel offers local authorities to pass written messages to people who have been, not necessarily by their fault or their choice, deprived of possibility to learn to read and write. If one is too skeptic to accept this possibility as viable, just recall that cavemen, who left numerous petroglyphs over all continents of the globe, as well as people who did not have written language, like Native Americans and most of the people of Polynesia, were definitely illiterate, yet their pictograms and drawings passed some messages of the past to the present. In fact the picture-writing of the American Indians is, one can say, a bridge between static signs, such as most petroglyphs of the past or traffic signs of today, and the “dynamic” signs of pictographic language, which can express history of what has been happening. For example, the picture writing of Ojibwa (Native Americans of northern Minnesota) had over 100 signs expressing various specific activities, such as: I want to see you; I lied to my son; the spirit has given me power to see; I hear spirit speaking to me; and so on. For more see “*Picture-Writing of the American Indians*,” by Garrick Mallery (Dover Publications, Inc. New York, 1972). If such “half-languages” were able to pass to us some of messages of the past surely a full graphical language, like Nobel, will make possible for messages written today in Nobel to convey present-day messages to readers of *distant* future regardless their tongue. This particular potential of Nobel should not be overlooked, even though there are many possible uses of Nobel in our own time.

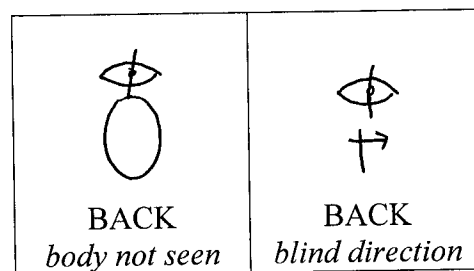
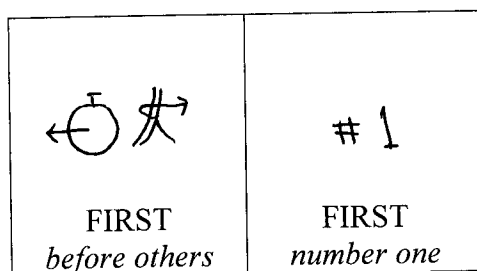
Let us comment on some inherent *flexibility* of Nobel, which allows the same message to be written in slightly different but equally understandable forms, and in this way does not demand that one remember details of some signs, but only their “central” message. Language is not Mathematics, and hence some signs are not necessarily always to be taken very rigidly and duplicate very exactly – though cases in which similar combinations carry different content ought to be respected, if the messages are to be properly understood. Let us show few illustrations of the flexibility of using Nobel:



Strong, particularly if we speak of people (and some animals) relates to strong *muscles*, muscles giving strength to the body. Strong persons can exert force, hence are *with force*. But there could be a *strong wind* or one talk about *strong material*, in which case a sign “with force” would be more appropriate. We have not exhausted possibilities, as one can consider a *strong argument* or one can have a *strong drink*. Here again “with force” may be better choice than “with muscle” but even better could be some other synonym signifying strength, such as: powerful, vigorous, forceful, potent, mighty and, hardy. The situation is similar with EFFORT, because the word can relate to human body involved in achieving a result, or can be uses to indicate mental effort, mental activity, for which the alternative sign would be more appropriate.




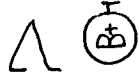


There is hardly difference between the two “expressions” of selfishness in Nobel; both imply some duration, not a temporary disposition. By doubling a sign in Nobel one always arrives at concepts that indicate “lot of” the same. There is some difference between *please*, when asking for something and *please* as when having pleasure of something, which two to signs clearly differentiate.




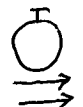

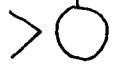

In the case of FIRST again we have signs with similar but also possibly slightly different usage. If one speaks of accomplishment of people the first variant is proper, but if one speaks of quality (e.g., the prime rib or the first class on trains, hotels, etc.) the second variant is obvious choice. In fact one can have in a single sentence both possibilities, like:

“Nobel is not the first graphical language (before others), but it has potential to become the first (number one) by the number of followers.”






Observe that we said “has potential” thus cutting on possibility to be accused of speculating on the future of Nobel. BACK in English is relating to *things behind* (e.g., back home, back on old times) and the *part of the body* which is behind and which we cannot see. In some languages there are two different words for the two different uses of the English word back, which is reason for maintaining two different signs for Back.

			
FORTUNE <i>time blessed</i>	FORTUNE <i>coming wealth</i>	RISK <i>potential danger</i>	RISK <i>potential overturn</i>

These two set of signs hardly need comment, being self-explanatory. Recall the sign for FATE = *time chooses*, because fate it is outside one's control. In the case of *fortune*, time has chosen “blessing.”


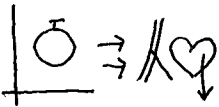
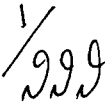

				
FAST <i>takes little time</i>	FAST <i>time runs</i>	FAST <i>large speed</i>	SLOW <i>takes lot of time</i>	SLOW <i>small speed</i>

These set of signs are also easily understood. If something takes little amount of time, it has been accomplished fast; if time runs it again means fast actions, and if something has been completed at high speed (which is shown as passing long distance over time) it implies fast action. *Slow* has been shown as opposite combinations. We could have added also a combination “*time does not run*” by crossing the arrows indicating “running” as third option for indicating a slow process.




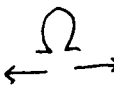
				
SWEET	SWEET	SWEET	BITTER	BITTER

The sign of HEART basically stands for something we like, and most people, children in particular, like sweet food, chocolate and cookies – this the sign of heart has an added

interpretation indicting something sweet (which includes also one's sweetheart). Opposite of sweet, BITTER, is than shown as reciprocal. By adding sweet and bitter, we obtain the sign for taste, which can vary from sweet to bitter. When the fraction sign sweet/bitter sign is used for taste, then one can point to numerator (the upper part) and by marking it indicate sweet taste, or one can point to denominator (the lower part) and by marking it indicate bitter taste. As indicator one can use small arrow or the equal sign, both have been used in various combinations of signs of Nobel.


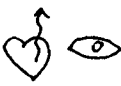
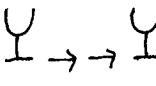
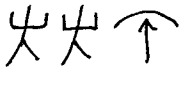
 <p>SCANDAL <i>sin in public</i></p>	 <p>SCANDAL <i>event makes people angry</i></p>	 <p>SALVAGE <i>not destroy</i></p>	 <p>SALVAGE <i>recover</i></p>
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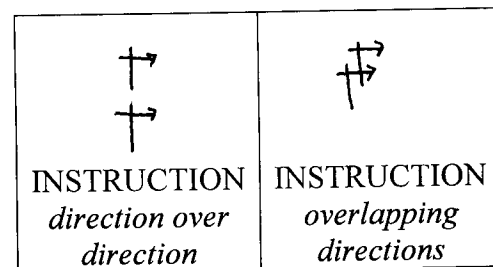
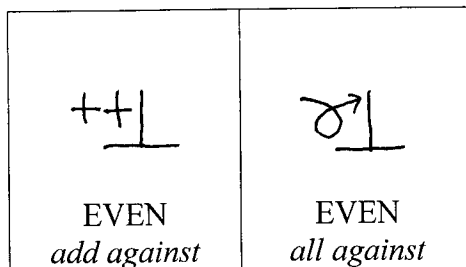
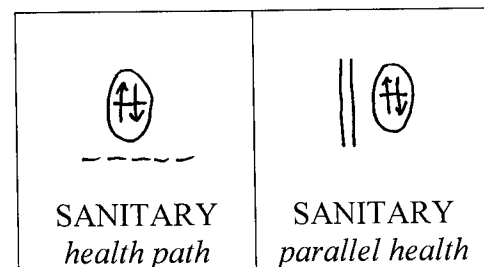
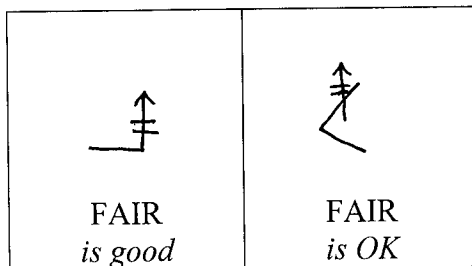
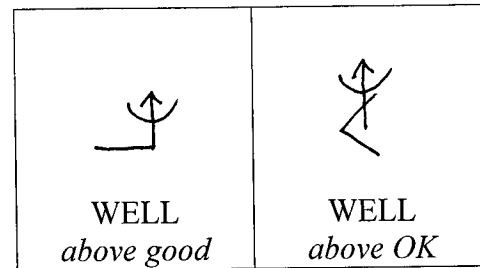
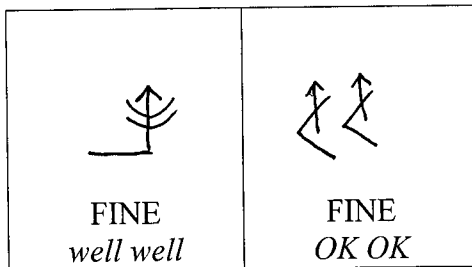
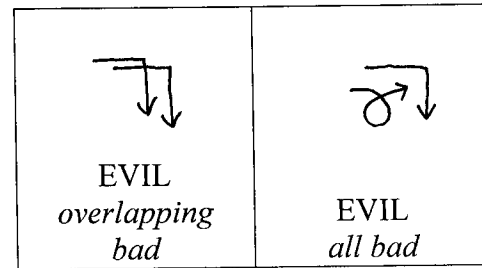
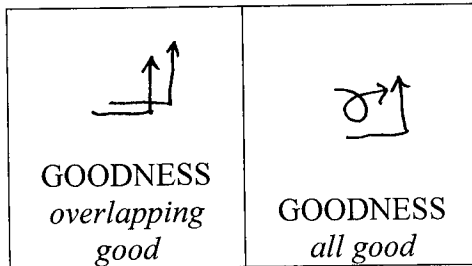
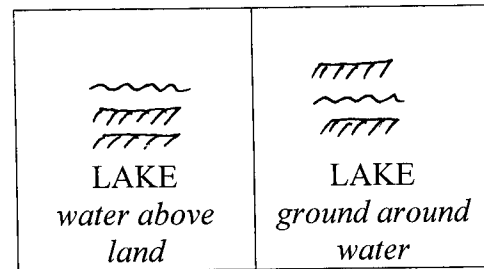
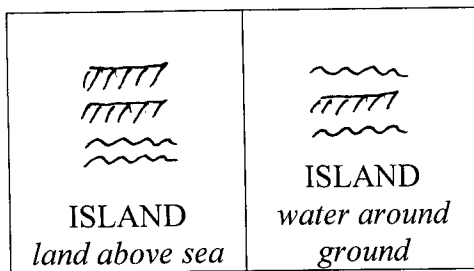
The above illustrations show combinations that send the same message, but one variant is simpler than other, which is likely that it may prevail, because it will be reproduces readily. "In public" is represented by podium, because if one does something on podium more people will see it!

 <p>LUCK <i>time favors</i></p>	 <p>GOOD LUCK <i>find horseshow</i></p>	 <p>BAD LUCK <i>time not favor</i></p>	 <p>BAD LUCK <i>lose horseshoe</i></p>
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The first sign for LUCK is shown as a preference given by the fate. The second sign for luck, or GOOD LUCK, originates possibly in medieval time, when finding a horseshoe was perceived as good luck, and probably was good luck, because in those times horseshoes were not easy to come by. Horseshoes today are not expensive but they are also in much less demand, so they are not easy to be found – thus we can let "finding a horseshoe" to continue to symbolize good luck. The signs for BAD LUCK are just the opposite of luck and good luck signs.

Let us end this small "gallery" of words having alternative signs with signs:

 <p>NICE <i>pleasing pleasing</i></p>	 <p>NICE <i>pleasing eye</i></p>	 <p>EXCESSIVE <i>glass after glass</i></p>	 <p>EXCESSIVE <i>more than more than enough</i></p>
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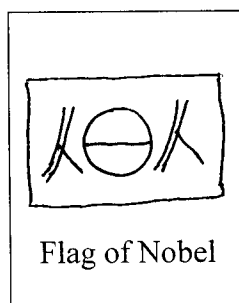


The last sign, the instruction sign, is shown in two variants, an overlap of directions and as doubling (lot of) instructions – both appear acceptable and illustrate some flexibility in writing Nobel. While in all above cases the selection of sign is left to user, one should observe different meaning of combinations of the same sign elements when differently

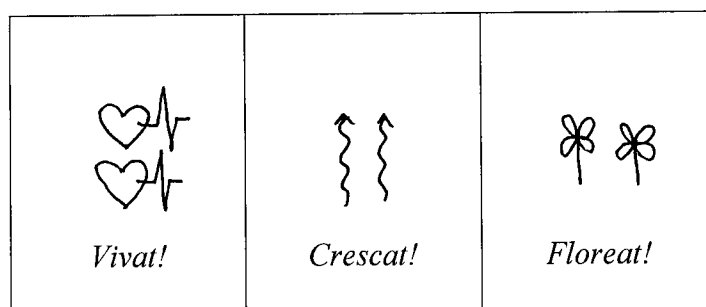
positioned. For example, “powder *in* sea” refers to salt, which is extracted from sea, while “powder *aside* sea” stand for sand and sandy beaches.

It appears that in some early Chinese writings when there was need for a sign that writer did not know or the sign may have not yet been constructed, it was invented at that time. So the same may occur with “early” writings of Nobel that a writer may introduce his /her own sign for word not encountered up to that time. This may create “duplicates” for some signs as those shown above, but with time “better” constructions are likely to survive and enrich the vocabulary of Nobel.

To those who came to the end of this introduction to graphical “Universal Language Nobel” we congratulate for understanding, patience and stamina – and hope that that experience was not traumatic, but educational and in part entertaining, even if possible skepticism of some to the future of Nobel may have not fully dissipated. If learning Nobel took some time away from other pleasures of life – it may also brought to readers a pleasure of enjoyment that they know a new language and have thus joined growing community of bilingual and multilingual people around the world.



The past of Nobel was in my hands, the future of Nobel is in hands of readers. To the future of Nobel we can exclaim:



The End

Epilogue and Acknowledgments

Work on Nobel, which started some 25 years ago, was for number of years made “secretly.” One of my first “victim” to whom I dared to show illustrations of Nobel was a young 8-year old son of my friend in Waterloo, Canada, Professor Milan Pintar. On few occasions he would guess correctly meaning of a sign before I had time to explain it. As I continued to outline Nobel to additional young people, like 8-year old son of a college Professor A. T. Balaban, and two daughters, 6 and 8 years old, of a relative Silva Karmelić in my hometown of Rijeka, I found that youngsters were interested and excited about Nobel – which I take to be very good sign based on the old adage: “On younger World rest.” But Nobel suits any age. Son of a colleague, Anton-Jan Klasinc, who is a teacher in a private high school in Zagreb, introduced Nobel to his class. I tried on few occasions to contact him while visiting Zagreb to hear his experience, but have so far failed to meet him. I did not exposed my colleagues in scientific community to Nobel, except for few, which include Professor Doug Klein from Texas A&M at University Galveston, with whom I have worked on several joint research projects, Professor Robert G. Parr, from the University of North Carolina (formerly at the Johns Hopkins University, where I spent six months with him), the leading authority in Theoretical Chemistry in USA and outside USA, and Professor Per Olov Löwdin, who was six months Professor at Uppsala University in Sweden and six month at the University of Florida in Gainesville, FL., an outstanding scientist, who was delighted to hear about Nobel. For me these early contacts were important as an encouragement to continue with the project, that some may have viewed as being on the border of sanity and insanity.

With time I became encouraged and made few public demonstrations of Nobel. I attended a smaller international meeting of the Language Origin Society (The International Society for the Study of the Origins and Evolution of Language) in Northern Illinois University, De Kalb, IL in 1991, where I presented elementary outline of Nobel. In 1996 Jeff Long, Senior Research Scientist in Notational Engineering Laboratory of The George Washington University, Washington, D. C. organized a conference NOTATE’96, at which I presented a talk: Nobel – Universal Pictographic Language, and also prepared a manuscript for the proceedings, which it appears have never been published, which I believe was well received. The next year I attended the session NOTATE’97 as a part of the Semiotic Society of America annual meeting in Louisville, KY, for which I have prepared talk entitled: Synonyms and Antonyms in Nobel – A Pictographic Sign Language. After my presentation Professor Farouk Y. Seif, from Center for Creative Change, Antioch University, Seattle, WA, who is registered architect, artist and design consultant, approached me and expressed interest in Nobel. It was him, or possibly someone else who joined brief discussion, that mentioned that my approach to construction of Nobel is of interest from linguistic position in trying to express so many different sign by a set of very limited number of signs. Recall now C. E. Eckersley and C. K. Ogden, who based their approach of simplified English on 1000 or 800 words, respectively, while here we speak of less than 200 signs, if modifications of dozen signs are counted separately as different signs.

I have also presented seminars on Nobel, one in the Department of Mathematics and Computer Science at Drake University and one at the National Institute of Chemistry, Ljubljana, Slovenia, of which recently I became honorary fellow. Meanwhile I had few direct inputs from few individuals worth mentioning. During my six months stay at the Cornell University, where I was on a sabbatical leave, I joined the group of Professor Roald Hoffmann, who actually was at the same time on sabbatical in Sweden, but would visit Ithaca occasionally. One late evening, around 10 PM, unexpectedly he came (from Sweden) to his office while in the room of his secretary where I was spreading my pages of Nobel. Glancing at these Roald Hoffmann (Nobel laureate in Chemistry 1981) pointed out that I could consider using calligraphic pen for drawing pictograms, which on few occasions I did. I was working at that time to complete a Dictionary of Nobel, project which is still underway. At one stage I sent him a copy of the dictionary. In an accompanying letter I mentioned to Roald, in view that he had published books of poetry, that “this is not poetry.” To this, to my surprise Roald replied that there is some elements of poetry in Nobel. He in particular mentioned the word “complete”, which is a superposition of “body” and “mind” as being an example.

My second encounter with Nobel laureate was through mail. Sometime in late 1990s I got e-mail from a lady in Germany, Margit Galli, who “finally found me” and asked for some information on Nobel, as she was working on a dissertation on languages. I sent her some material and ask how she has found about me and Nobel, in view that nothing has been published about Nobel. She sent me a chapter of a book of Umberto Eco (b. 1932), Italian writer and Nobel Laureate in Literature, worldwide known for his books, in particular *The Name of a Rose* and *Foucault's Pendulum*, and perhaps less known for his critical essays on literature, aesthetics and semiotics (the study of signs and symbols, their origin and meaning). The book, entitled “*The Perfect Language*,” first appeared in Italian in 1993 and was translated into German in 1997. In this chapter on less than a half page Umberto Eco has mentioned Nobel. He outlined two signs of Nobel in his book, one of which was the sign for “abdicate,” which is represented in Nobel as “throw crown into a basket.” I came across this “combination” recalling how in 1936 king Edward VIII of Great Britain, who married Mrs. Simpson, an American divorcee, was forced to abdicate, to “throw crown into a basket.” The book “*The Perfect Language*” has been translated in Croatian in 2004 and is also available in English.

When preparing this Epilogue, and after meeting and communicating with several persons I was concerned of misquoting some people. So I wrote some letters to be sure who made what comment. I was glad that I correctly identified Margit Galli, as confirmed by her more recent letter (of November 11, 2007):

Dear Mr. Randic,

Yes, I am the Margit Galli who once inquired about your symbolic language "Nobel". At that time I was graduating at the Hochschule Pforzheim with a work on visual communication. Meanwhile I moved into graphic design, professionally, but I was very pleased to learn about the progress you made with your book. Thank you for remembering me and for sending me this e-mail.

Your sincerely,
Margit Galli

Speaking of semiotics, I learned though the Internet that Giordano Bruno, who was burned alive in the year 1600 in Rome as a heretic, that Giordano Bruno, whom Encyclopedia Britannica describes as “*Italian representative of late Renaissance thought, whose teaching and writing, encompassing philosophy, cosmology, theology, mathematics and creative literature, constantly brought him into collision with orthodox opinion and lead him to heretics death . . .*” was a forerunner of semiotic. In 1998 in a report by Ronald A. T. Judy “*Some notes on the status of Global English in Tunisia*” one can find the following:

We need only recall the numerous antecedent attempts at achieving an artificial language of global extension, such as Milan Randic's Nobel or even Father Marin Mersenne's rumor of des Vallee's nouvelle langue, or of efforts to return to the "original" language of humanity, such as the Christian Kabbalism of Raymond Lull (Ars Magna) or Giordano Bruno (Ars Combintoria), to understand that when we speak today about English as global, we intend something altogether different from a perfect "original" language. That is to say, English as a global language is, in fact, not the consequence of a project for linguistic perfection. . . .

To be mentioned in a company of such outstanding dignitaries as mathematician Marin Mersenne (1588-1648), who is best known today for the so-called Mersenne prime numbers (which are of the form $2^p - 1$ and for $p=4253$ was the first prime number having more than 1000 digits), and the historic figure of Giordano Bruno is a complement extraordinary that one can not even dream of. While I remain eternally indebted and honored for the complement given I am equally astound to find a reference to Nobel, which at that time and until this book came out existed only in my thoughts and my notes.

I met in a train another lady in Germany, Katrina Volz, that was interested in Nobel, and occasionally I would outline elements of Nobel to people met at random. In all these encountered people expresses interest and appeared friendly towards Nobel. I may add two more ladies that I met accidentally, one in Duluth, MN and one in Ljubljana, Slovenia, who mentioned potential use of Nobel. The lady from Duluth, Rhonda Peterson, was professional nurse, and in particular was involved in caring for stroke and post-operative patients. She is a co-author of a medical book written with her doctor on the topic of recovery of trauma and recovery of brain-damaged patients. She indicated that Nobel can perhaps be helpful for teaching patience that temporarily lost knowledge of writing and communication. The lady from Ljubljana, Nataša Plaustainer, was by profession translator at conferences where she would after speaker said few sentences translate that into another language. These people developed a kind of their own abbreviations for some words that would often repeat, something that one could loosely refer to as abbreviation of stenography – so that they can reproduce longer sections of one's presentation.

I should also mention that most of the people whom I, in more recent years, exposed to Nobel, expressed some interest, so that I became somewhat bold and on few occasions at the end of my professional seminars on theoretical and mathematical chemistry I would show one or two transparencies of Nobel. On the occasion of celebration of 25th anniversary of my publication on one of early successful mathematical descriptor for molecules, which was organized as a special symposium held in Washington, D. C., during the annual meeting of the American Chemical Society I have mentioned Nobel and have shown a table in which were depicted set of signs involving hooks and overlapping hooks leading to signs for hook – connection – network; fact – information – knowledge; fiction – imagination – fantasy; and speculation – hypothesis – theory. I thought this illustration, involving words relevant to science, to be appropriate for a scientific meeting. Professor L. H. Hall, who was one of the organizers of the meeting, asked for a copy of the transparency – and I was happy to oblige and gave him the original transparency. Professor Jure Zupan, from the National Institute of Chemistry in Ljubljana, Slovenia made a number of useful comments pointing to a need for grammar rules, which only more recently I gave attention. Mrs. Tatjana Lorković, a librarian of the University of Iowa, and currently librarian at the Yale University, was one of few people who suggested a particular sign for Nobel, which I adopted. After showing her the sign for “life,” heart with signal suggesting “beating of alive heart” she suggested a sign of a heart with a “flat” line to be a sign for death. I took this suggestion to represent “clinical death,” the last phase of a life, when heart stop beating. Finally I should add the patience of Dr. Jan Galik, from Košice, Slovakia, a postdoctoral visitor in the neurophysiology laboratory of my wife, who edited the letter A of English-Nobel Dictionary by painstakingly copying all graphic materials for each letter individually, so that I can revise the material any time and any sign individually, without necessity to redraw pictures of signs afresh. Todd Mountjoy, Library Director, University of Wisconsin – Fond de Lac has also expressed interest in Nobel and was in communication with me.

I should add also contributions that I received from different people over many years and from whom I learned more about artificial languages, universal languages and graphical languages. For example, Professor Hideyuki Narumi, from Hokaido University, Sapporo, Japan sent me a book on Tompa graphical language. Professor Mike Marty, dean of the college of Liberal Arts and Sciences sent me book by Elmer Joseph Hanks: “A Universal Second Language” (Preliminary edition, The Hanks Foundation, Minneapolis, MN 1992). Editors of “Journal of Universal Language”, published by the Institute for Universal Language, Sejong Institution, Seoul, Korea sent me few complimentary issues of the Journal.

I have to add that occasionally one would come across some skeptic opinions or lack of interest. I have been disappointed that on the occasion of 86-th Congress of Esperanto, which was held in Zagreb, 21-28 July 2001, I have prepared about 100 pages Dictionary of Esperanto – Nobel and thought of making short presentation, but never got any response from organizers. It is possible that they never received my correspondence but it is also possible that they ignore it.

Last but not least I wish to thank Professor Vjera Krstelj from the Faculty of Naval Architecture and Engineering of the University of Zagreb, my youngest sister, for assistance with organizing review of the material for publisher and Professor Tomaž Pisanski, from the Department of Mathematics, University of Ljubljana, Ljubljana, Slovenia, for engaging his daughter, a linguist, to make an independent evaluation of the material for this book.

I am ending with expressing great appreciation to Hippocrene Books, Inc, New York, publisher of the *Dictionary of 1000 Chinese Proverbs* (edited by Marjorie Lin and Schalk Leonard), from which we selected 100 proverbs to illustrate Nobel. Here is their letter granting permission:

From: Hippocrene Books

To: 'milan randic'

Sent: Monday, December 10, 2007 8:54 AM

Subject: RE: Proposal for a Book

Dear Mr. Randic,

Many apologies for the delay in responding to you on this issue, Hippocrene has undergone a few changes in the past months, including the departure of the staff member that would typically handle copyright matters. Unfortunately, your request joined a long backlog and only recently emerged at the top.

After a review of your request by our editorial board, the following decision was made: Hippocrene Books grants permission to Milan Randic to reproduce approximately 100 proverbs from Dictionary of 1,000 Chinese Proverbs, edited by Marjorie Lin and Schalk Leonard (Hippocrene Books, 1998) in his book, Nobel, Universal Language.

This permission is granted free of charge, but we request that you cite the source of the proverbs in your publication.

We thank you for your patience and wish you success in your publishing endeavor.

Regards,

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