A selection of statistically significant associations found when, in a data base on Flood myths world-wide, each hero-related variable is cross-tabulated against all non-hero-related variables

by Wim van Binsbergen

1.1. Introduction

The following (initially intended as Appendix A15.1 of my book in the press:

> van Binsbergen, Wim M.J., 2022, *Pandora's Box prised open: Studies in Comparative Mythology*, Hoofddorp: Shikanda, Papers in Intercultural Philosophy / Transcontinental Comparative Studies, no. 26)

constitutes a selection of statistically significant associations found when, within a data based oFlood myths world-wide (as constructed on the basis of Marc Isaak's extensive and well-referenced overview, 2006) cross-tabulating each hero-related variable against all non-hero-related variables

This was to be the most empirical but also the roughest part of my forthcoming report on quantitative analysis of Flood myths. Out of nearly a thousand significant returns, I have tried to select (none too rigorously, at this stage) those that appear to have a direct bearing on the nature and associations of Flood heroes. I have tried to provisionally order this material, and add selective comments – but in fact, almost every significant return when written out in the form of a discursive statement of association of the type

> 'there is a statistically significant, **negative** association between 'human agency stated or implied to have caused Flood', and 'Flood hero stated or implied to survive the Flood' :[1]

constitutes a text for lengthy contemplation and reflection, to an extent that could not be done justice to in the present context. I am not hiding the fact that the results, although remarkably convergent and consistent, are not so to the full 100%. We are working here with statistical tendencies, inevitably manifesting themselves somewhat out of focus for a number of reason:

- our limited understanding across the mists of time
- the inherent inconsistency and flux of the prehistoric systems – their lack of total integration;
- errors of transmission across many centuries.

We cannot expect total consistency any more than we will find total consistency in the analysis of any living socio-cultural and symbolico-religious system; in fact, for the reasons mentioned, such consistency as the results yet display is truly remarkable. We have to ask ourselves whether it is a true reflection of the prehistoric systems under review, and of their dynamics over time – or whether that consistency could yet to some extent be a research artefact, produced by the analytical distinctions and procedures which we have imposed on the data in the process of constructing our corpus, of designing our analytical categories, of processing the raw data according to their categories in the course of data entry, and of grouping the results in writing up.

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[1] human agency stated or implied to have caused Flood

```
              no       yes
           -1.000    1.000     TOTAL Flood hero stated or implied to survive
                                      Flood
             --------------------
   -1.000      2        7          9 no
    1.000     37       13         50 yes
             --------------------
 TOTAL        39       20         59
l = 8.722; df = 1; p = 0.003
```

Meanwhile I fear that these rather raw statistical results, without the benefit of an overarching qualitative argument, are rather out of place in the context of the present book. I will accommodate them on my personal website under the following URL:

1.2. Statistically significant associations of Flood heroes, conditions and aftermath

1.2.1. 'Flood hero in evidence'

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence' and 'Flood hero in evidence'[2]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'warning stated or implied to be made by the Flood causer'[3]

1.2.1.1. Statistically significant associations of 'Flood hero being stated or implied to be human'

There is a statistically significant, **negative** association 'first conscious beings stated or implied to be animals' / 'Flood hero stated or implied to have been human':[4] [could be interpreted as by implication, yet it is not obvious that the Flood hero has to belong to the first batch of conscious beings]

There is a statistically significant, **negative** association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to have been human'[5] -

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[2] some kind of Flood rescue device ('Ark') in evidence
```
              no      yes
           -1.000   1.000     TOTAL Flood hero in evidence
           --------------------
  -1.000       3       0        3 no
   1.000      11      65       76 yes
           --------------------
 TOTAL        14      65       79
l = 10.961; df = 1; p = 0.001
```

[3] partner stated or implied to be killed
```
              no      yes
           -1.000   1.000     TOTAL warning stated or implied to be from Flood causer
           --------------------
  -1.000      14       0       14 no
   1.000       8       3       11 yes
           --------------------
 TOTAL        22       3       25
l = 5.455; df = 1; p = 0.020
```

[4] first conscious beings stated or implied to be animals
```
            no  yes
           -1.000   1.000     TOTAL Flood hero stated or implied to be human
           --------------------
  -1.000       7       4       11 no
   1.000      42       1       43 yes
           --------------------
 TOTAL        49       5       54
l = 9.398; df = 1; p = 0.002
```

[5] human trickster-demiurge in evidence
```
              no      yes
```

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood hero stated or implied to have been human' [6]

There is a statistically significant, positive association 'Flood hero stated or implied to have been human' / 'sacrifice in evidence'[7]

1.2.2. On what grounds does the Flood hero qualify to be just that?

1.2.2.1. Statistically significant associations of the Flood hero being stated or implied to qualify as such by virtue of special knowledge

There is a statistically significant, positive association 'Flood hero stated or implied to be that by virtue of knowledge' / 'the motif of the Separation of Land and Water in evidence'[8] [an advanced stage of transcendentalisation]

There is a statistically significant, negative association 'Flood hero stated or implied to have been human' / 'Flood hero stated or implied to be that by virtue of knowledge'[9] [difficult to understand,

```
           -1.000     1.000     TOTAL Flood hero stated or implied to be human
           --------------------
  -1.000      11         6        17 no
   1.000      46         6        52 yes
           --------------------
 TOTAL        57        12        69
l = 4.493; df = 1; p = 0.034
```

[6] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL    Flood hero stated or implied to be human
           --------------------
  -1.000      17        0       17      no
   1.000      45        7       52      yes
           --------------------
 TOTAL        62        7       69
l = 4.212; df = 1; p = 0.040
```

[7] Flood hero stated or implied to be human
```
              no      yes
           -1.000    1.000    TOTAL sacrifice in evidence
           --------------------
  -1.000      17       44       61 no
   1.000       0        8        8 yes
           --------------------
 TOTAL        17       52       69
l = 4.859; df = 1; p = 0.027
```

[8] Flood hero stated or implied to be that by virtue of knowledge:
```
              no      yes
           -1.000    1.000    TOTAL separation of the waters in evidence
           --------------------
  -1.000       5        0        5 no
   1.000       8        6       14 yes
           --------------------
 TOTAL        13        6       19
l = 4.577; df = 1; p = 0.032
```

[9] Flood hero stated or implied to be human
```
              no      yes
           -1.000    1.000    TOTAL Flood hero stated or implied to be that by
```

unless knowledge is magical knowledge whereas what qualified for Flood heroism in the context of the Standard Elaborate Flood story is morality]

There is a statistically significant, negative association 'Flood hero stated or implied to be that by virtue of knowledge' / 'Flood hero stated or implied to be that by virtue of his morality':[10]

There is a statistically significant, negative association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero is stated or implied to be that by virtue of knowledge' :[11] [again: knowledge as something that defies transcendence and pious subservience – almost as if knowledge is truly an attribute of the Serpent; *cf.* Genesis 3:1: 'Now the serpent was more subtil than any beast of the field which the LORD God had made. And he said unto the woman, Yea, hath God said, Ye shall not eat of every tree of the garden?']

1.2.2.2. Statistically significant associations of the Flood hero being stated or implied to qualify as such through high socio-political rank

There is a statistically significant, positive association 'Flood hero stated or implied to be through by virtue of rank' / 'warning in evidence' [12]

```
                                       virtue of knowledge
              --------------------
   -1.000       11        46        57 no
    1.000        6         6        12 yes
              --------------------
 TOTAL          17        52        69
l = 4.493; df = 1; p = 0.034
```

[10] Flood hero stated or implied to be that by virtue of knowledge:
```
              no       yes
            -1.000    1.000     TOTAL Flood hero stated or implied to be that by
                                      virtue of morality
              --------------------
   -1.000       55        13        68 no
    1.000       11         0        11 yes
              --------------------
 TOTAL          66        13        79
l = 4.292; df = 1; p = 0.038
```

[11] Flood hero stated or implied to be ally of Flood causer:
```
              no       yes
            -1.000    1.000     TOTAL Flood hero stated or implied to be that by
                                      virtue of knowledge
              --------------------
   -1.000       15        17        32 no
    1.000        7         1         8 yes
              --------------------
 TOTAL          22        18        40
l = 4.786; df = 1; p = 0.029
```

[12] Flood hero stated or implied to be that by virtue of rank
```
              no       yes
            -1.000    1.000     TOTAL warning in evidence )
              --------------------
   -1.000       49         3        52 no
    1.000       21         6        27 yes
              --------------------
 TOTAL          70         9        79
l = 4.490; df = 1; p = 0.034
```

1.2.2.3. Statistically significant associations of 'Flood hero stated or implied to be that by virtue of agency'

There is a statistically significant, positive association 'the Flood hero stated or implied to be that by virtue of agency' / 'Flood hero stated or implied to be that by virtue of his morality',[13] [*morality = agency*]

1.2.2.4. Statistically significant associations of 'Flood hero stated or implied to be that by virtue of morality'

There is a statistically significant, **negative** association 'Flood hero stated or implied to be that by virtue of morality' / 'the motif of the Separation of Land and Water in evidence':[14] [puzzling for emphasis on morality seems so central to the Standard Elaborate Flood story]

There is a statistically significant, positive association 'duration of the Flood stated or implied' / 'Flood hero stated or implied to be that by virtue of his morality'[15] [puzzling, perhaps *numerical rationality aspect of recent transcendence: numbers are transcendent I doubt whether this should be by implication*]

There is a statistically significant, positive association 'Flood hero stated or implied to be that by virtue of his morality' / 'causer of Flood stated or implied to be a god'[16]

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[13] Flood hero stated or implied to be that by virtue of agency
```
              no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue
                                    of morality
           --------------------
  -1.000      65       3        68 no
   1.000       0      11        11 yes
           --------------------
 TOTAL        65      14        79
l = 49.218; df = 1; p = 0.000
```

[14] Flood hero stated or implied to be that by virtue of morality:
```
              no      yes
           -1.000   1.000    TOTAL separation of the waters in evidence
           --------------------
  -1.000       3       2         5 no
   1.000      14       0        14 yes
           --------------------
 TOTAL        17       2        19
l = 6.057; df = 1; p = 0.014
```

[15] duration Flood stated or implied
```
              no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue
                                    of  morality
           --------------------
  -1.000      56      12        68 no
   1.000       4       7        11 yes
           --------------------
 TOTAL        60      19        79
l = 9.366; df = 1; p = 0.002
```

[16] Flood hero stated or implied to be that by virtue of morality:
```
              no      yes
           -1.000   1.000    TOTAL causer of Flood stated or implied to be a god
           --------------------
  -1.000      23       1        24 no
   1.000      16       5        21 yes
           --------------------
 TOTAL        39       6        45
l = 3.974; df = 1; p = 0.046
```

There is a statistically significant, negative association 'Flood hero stated or implied to be that by virtue of knowledge' / 'Flood hero stated or implied to be that by virtue of his morality':[17] [knowledge is immanentalist, the ability to sustain and benefit from the transformative cycle; morality is transcendentalist, to rely not on the order of nature (=transformative cycle) but on the Supreme God]

There is a statistically significant, positive association 'the Flood hero stated or implied to be that by virtue of agency' / 'Flood hero stated or implied to be that by virtue of his morality',[18] [*agency ≈ morality but ≠ knowledge; there is an element of implication but not totally so*]

1.2.2.5. Statistically significant associations of 'human agency stated or implied to have caused Flood

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood', and 'Flood hero stated or implied to survive the Flood' :[19]

There is a statistically significant, positive association 'human agency stated or implied to have caused Flood' and 'Flood hero's partner stated or implied to have been killed[20] [*here narrative imagination takes over from and supplants the transformative cycle*

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood' and 'earth diver in evidence':[21] [the Flood is nobody's fault, but calls forth the archaic

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[17] Flood hero stated or implied to be that by virtue of knowledge:
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue
                                     of morality
            ---------------------
  -1.000      55       13        68 no
   1.000      11        0        11 yes
            ---------------------
 TOTAL        66       13        79
l = 4.292; df = 1; p = 0.038
```

[18] Flood hero stated or implied to be that by virtue of agency
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue
                                     of morality
            ---------------------
  -1.000      65        3        68 no
   1.000       0       11        11 yes
            ---------------------
 TOTAL        65       14        79
l = 49.218; df = 1; p = 0.000
```

[19] human agency stated or implied to have caused Flood
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
            ---------------------
  -1.000       2        7         9 no
   1.000      37       13        50 yes
            ---------------------
 TOTAL        39       20        59
l = 8.722; df = 1; p = 0.003
```

[20] human agency stated or implied to have caused Flood
```
              no      yes
            -1.000   1.000    TOTAL partner stated or implied to be killed
            ---------------------
  -1.000      52       21        73 no
   1.000       1        5         6 yes
            ---------------------
 TOTAL        53       26        79
l = 7.086; df = 1; p = 0.008
```

[21] human agency stated or implied to have caused Flood
```
              no        yes
```

earth diver; does this simply mean: while En-1 (= Water) tries to produce En (= Land, the earth diver's product), the process at first runs havoc so that En-1 goes out of control and totally takes over, but subsequently that imbalance is regulated again and En is produced at last; but where does earth diver then come from?]

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood' / 'rodent in evidence':[22]   [this is the dynamics of the transformative cycle narrative conceived as agency; the rodent expressed a version of the transformative cycle in some version that has been transformed in a different way ; what does the rodent (earth diver) have to do with agency?]

1.2.2.6. Statistically significant associations of 'the notion of sin' being in evidence

There is a statistically significant, **negative** association 'animal trickster-demiurge in evidence' and 'notion of sin in evidence':[23]

There is a statistically significant, **negative** association 'shape-shifting in evidence' / 'notion of sin in evidence'[24]

There is a statistically significant, positive association 'notion of sin in evidence' / 'causer of Flood stated or implied to be a god'[25]

```
          -1.000    1.000     TOTAL earth diver in evidence
          --------------------
   -1.000      48       26        74 no
    1.000       5        0         5 yes
          --------------------
 TOTAL         53       26        79
l = 4.155; df = 1; p = 0.041
```

[22] human agency stated or implied to have caused Flood
```
               no        yes
          -1.000    1.000     TOTAL rodent in evidence
          --------------------
   -1.000      44       26        70  no
    1.000       9        0         9  yes
          --------------------
 TOTAL         53       26        79
l = 7.741; df = 1; p = 0.005
```

[23] animal trickster-demiurge in evidence
```
               no        yes
          -1.000    1.000     TOTAL sin in evidence
          --------------------
   -1.000      54       11        65 no
    1.000      14        0        14 yes
          --------------------
 TOTAL         68       11        79
l = 4.660; df = 1; p = 0.031
```

[24] shape-shifting in evidence
```
               no        yes
          -1.000    1.000     TOTAL sin in evidence
          --------------------
   -1.000      55       10        65 no
    1.000      14        0        14 yes
          --------------------
 TOTAL         69       10        79
l = 4.202; df = 1; p = 0.040
```

[25] sin in evidence
```
               no        yes
          -1.000    1.000     TOTAL causer of Flood stated or implied to be a god
          --------------------
   -1.000      22        2        24 no
```

There is a statistically significant, **negative** association 'multiple Flood heroes are in evidence who are siblings' / 'notion of sin in evidence' :[26] [here the multiple Flood heroes are placed in a close association with sin.]

This is remarkable. In what sense could sin be a mutation of the transformative cycle? Taboo, a transition from A–B that is not allowed. Or should we go back here to the idea that the multiple heroes are Heaven and Earth, in such a way that the original way lies in their separation?

1.2.3. Does the Flood hero survive the Flood?

1.2.3.1. Statistically significant associations of 'Flood hero stated or implied to survive the Flood'

There is a statistically significant, positive association 'combat in evidence', and 'Flood hero stated or implied to survive the Flood':[27] [this is somewhat puzzling: it reminds us of the fact that the surviving Flood hero is not just an advanced state towards transcendentalism, but is rather intimately connected with the immanentalism of the transformative cycle; perhaps the Flood hero stands for reality, after all]

There is a statistically significant, **negative** association 'the Flood stated or implied to be associated with blood' / 'Flood hero stated or implied to survive the Flood':[28] [*again: blood (with its feminine connotations) = death*]

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood', and 'Flood hero stated or implied to survive the Flood' :[29]

```
    1.000      14       7       21 yes
               --------------------
 TOTAL         36       9       45
l = 4.534; df = 1; p = 0.033
```

[26] multiple Flood heroes in evidence who are stated or implied to be siblings
```
               no    yes
             -1.000  1.000    TOTAL sin in evidence
             --------------------
   -1.000      15      17      32 no
    1.000       5       0       5 yes
             --------------------
 TOTAL         20      17      37
l = 6.813; df = 1; p = 0.009
```

[27] combat in evidence
```
               no    yes
             -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
             --------------------
   -1.000       8       1       9 no
    1.000      27      23      50 yes
             --------------------
 TOTAL         35      24      59
l = 4.455; df = 1; p = 0.035
```

[28] association Flood and blood in evidence
```
               no    yes
             -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
             --------------------
   -1.000       6       3       9 no
    1.000      49       1      50 yes
             --------------------
 TOTAL         55       4      59
l = 7.991; df = 1; p = 0.005
```

[29] human agency stated or implied to have caused Flood
```
               no    yes
             -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
             --------------------
   -1.000       2       7       9 no
```

There is a statistically significant, **negative** association 'the gender stated or implied to have triggered the Flood is female' / 'Flood hero stated or implied to survive the Flood':[30]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to survive the Flood':[31] [if Flood hero is woman then does not survive]

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero stated or implied to survive the Flood' [32]

There is a statistically significant, **negative** association 'Flood hero stated or implied to survive the Flood' / 'ridicule in evidence' [i.e. if there is no ridicule greater tendency to survival] [33]

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence' and 'Flood hero claimed or stated to survive Flood'[34]

```
    1.000      37       13       50 yes
           ---------------------
 TOTAL        39       20       59
l = 8.722; df = 1; p = 0.003
```

[30] gender stated or implied to have triggered the Flood
```
            male   female
           -1.000   1.000    TOTAL Flood hero stated or implied to survive
                                   Flood
           --------------------
   -1.000      1       4       5 no
    1.000      7       1       8 yes
           --------------------
 TOTAL        8       5       13
l = 6.291; df = 1; p = 0.012
```

[31] gender Flood hero stated or implied to be
```
            male   female
           -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
   -1.000      2       4       6 no
    1.000     25       3      28 yes
           --------------------
 TOTAL       27       7       34
l = 7.868; df = 1; p = 0.005
```

[32] Flood hero stated or implied to be ally of Flood causer:
```
             no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
   -1.000      6       0       6 no
    1.000     12      13      25 yes
           --------------------
 TOTAL       18      13       31
l = 7.548; df = 1; p = 0.006
```

[33] Flood hero stated or implied to survive Flood
```
             no      yes
           -1.000   1.000    TOTAL ridicule in evidence
           --------------------
   -1.000      0      14      14 no
    1.000      2       5       7 yes
           --------------------
 TOTAL        2      19       21
l = 4.833; df = 1; p = 0.028
```

[34] some kind of Flood rescue device ('Ark') in evidence
```
             no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
   -1.000      6       3       9 no
```

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'Flood hero stated or implied to survive the Flood' 35 [here we are also in the narrative domain far removed from reminiscences of the transformative cycle]

There is a statistically significant, positive association 'Flood hero stated or implied to survive the Flood' / 'Flood rescue device stated or implied to have been man-made' 36

1.2.4. The number of Flood heroes, and interrelations between them

1.2.4.1. Statistically significant associations of 'multiple Flood heroes are in evidence who constitute a married couple'

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'multiple Flood heroes are in evidence who constitute a married couple' :37 [one we have a divine Flood causer and all well on the way towards transcendence, the element connotations of the multiple Flood heroes are shed and they simply become a married couple

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who constitute a married couple' / 'causer of Flood stated or implied to be supernatural'38

```
   1.000        5        45        50 yes
            --------------------
 TOTAL        11        48        59
l = 12.795; df = 1; p = 0.000


35 animals stated or implied to survive Flood
             no       yes
           -1.000    1.000    TOTAL   Flood hero stated or implied to survive Flood
            --------------------
  -1.000      9        0        9   no
   1.000     24       26       50   yes
            --------------------
 TOTAL       33       26       59
l = 11.724; df = 1; p = 0.001


36 Flood hero stated or implied to survive Flood
             no       yes
           -1.000    1.000    TOTAL Flood rescue device stated or implied to be man-made
            --------------------
  -1.000      8       23       31 no
   1.000      1       27       28 yes
            --------------------
 TOTAL        9       50       59
l = 6.365; df = 1; p = 0.012


37 Flood hero stated or implied to be ally of Flood causer:
             no       yes
           -1.000    1.000    TOTAL multiple Flood heroes stated or implied to be married couple
            --------------------
  -1.000     11        4       15 no
   1.000      0        2        2 yes
            --------------------
 TOTAL       11        6       17
l = 4.677; df = 1; p = 0.031


38 multiple Flood heroes stated or implied to be married couple
             no       yes
           -1.000    1.000    TOTAL causer of Flood stated or implied to be supreme god
            --------------------
  -1.000     14        0       14 no
   1.000      5        2        7 yes
            --------------------
 TOTAL       19        2       21
l = 4.833; df = 1; p = 0.028
```

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who constitute a married couple' / 'post-Flood re-population stated or implied to be through stones'[39] [*this is strange for as a couple they might also reproduce in the standard manner – it indicates that Flood heroes, especially when appearing as a couple, are essentially not to be considered human persons; perhaps the married couple is not so advanced after all; I am inclined to interpret the married couple as the Two Children (elsewhere in these tables I have suggested that these Two Children could be Sun and Moon, but Heaven and Earth seems both more comprehensive and more likely*]

1.2.4.2. Statistically significant associations of 'multiple Flood heroes in evidence who are stated or implied to be each other's siblings'

There is a statistically significant, positive association between 'multiple Flood heroes are in evidence who are siblings' / 'motif of the two children in evidence'[40] [*here it turns out that the idea of multiple heroes (as derived from the elements) may mix with the idea of the two children (as an image of Heaven and Earth, or of Sun and Moon, or of Water and Land)*]

1.2.5. Gender of the Flood hero(es)

1.2.5.1. Flood myths, menstruation, and the cosmological place of women in general

We are familiar with an entire historical load of negative stereotyping vis-à-vis women (especially such allegedly polluting properties, allegedly impossible to reconcile with the sacred, as are attributed to menstruation, childbed, female genitals). Such stereotyping is so widespread (Judaism, Christianity, Islam, sub-Saharan Africa) that it must have a history of millennia. Even though we do not need to go so far as to postulate that these negative stereotypes go back to Pandora's Box, if seems inevitable that we find the same complex of negative stereotyping back in the context of a mythical complex as old and as widespread as that of Flood myths. This stereotyping must have a cosmological, culture basis. It appears that in the context of the present analysis of Flood myths, we are close to identifying that basis. For Flood myths appear to revolve on the ascendance of male power, but how?

Let us consider a Flood myth among the Tabo people of the interior of Northern Argentina.[41] Here the Flood is called forth by the rainbow snake, which is furious because a menstruating woman has polluted the water by virtue of her state. In a way that suggests an origin in *Pandora's Box*, the same motif is found in Arnhem Land (Northern Australia), and in South Central Africa. In the latter region the motif is concentrated, among other attestations, around the myth of Ruweej / Luwedji.[42] She was queen of her people (throughout this region, extending a few hundred kilometres in either direction from the intersection of the Angola-Congo-Zambia border, the first few generations of rulers were almost invariably women), until with the arrival of a stranger, named Hunter / Chiwinda, the idea was introduced that a menstruating rulers means a pollution for the kingship, and as a result the royal office was henceforth reserved, not longer to women, but to men. This is the main motif of my study *Tears of rain: Ethnicity and history in central western Zambia* (1992). It is tempting to link up this motif with another motif, which

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[39] multiple Flood heroes stated or implied to be married couple
```
              no    yes
           -1.000  1.000     TOTAL repopulation stated or implied to be through stones
           --------------------
   -1.000     32      3        35 no
    1.000      0      2         2 yes
           --------------------
 TOTAL        32      5        37
l = 8.831; df = 1; p = 0.003
```

[40] multiple Flood heroes in evidence who are stated or implied to be siblings
```
              no    yes
           -1.000  1.000     TOTAL two children in evidence
           --------------------
   -1.000     18      6        24 no
    1.000      2     11        13 yes
           --------------------
 TOTAL        20     17        37
l = 12.895; df = 1; p = 0.000
```

[41] *Cf.* Bierhorst 1988: 142-143; with thanks to Mark Isaak, 2006.

[42] Turner 1955; Hoover 1980.

the Dutch phenomenologist of religion Sierksma (1917-1977) has description in terms of *the theft of the women's secret*:[43] the postulated emergence, after the Neolithic, of armed men who overthrew female dominance in the fields of reproduction and food production, and who as sign of their supremacy appropriated the female cult symbols. This kind of 'matriarchal' motifs was rather popular in anthropology and comparative mythology until the middle of the 20th century. It is not clear whether such motifs have an empirical, historical ground, or whether (as most specialists would assume today) they merely constitute anti-masculine, women-friendly modern myths in their own right, in the hands of well-intending scholars (*e.g.* Bachofen, Graves, Engels and most recently Gimbutas).

1.2.5.2. Statistically significant associations of which gender the Flood hero stated or implied to have

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to be ally of Flood causer'[44]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' stated or implied to be female' / 'Flood hero stated or implied to survive the Flood':[45]

There is a statistically significant, **negative** association 'animals stated or implied to survive the Flood' / 'gender Flood hero stated or implied to be female':[46]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood rescue device stated or implied to have been man-made' :[47] [as if the female domain is totally incapacitating]

---

[43] Sierksma 1962.

```
[44] gender Flood hero stated or implied to be
            male    female
            -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
            --------------------
  -1.000      9        6       15 no
   1.000     12        1       13 yes
            --------------------
 TOTAL       21        7       28
l = 4.249; df = 1; p = 0.039
```

```
[45] gender Flood hero stated or implied to be
            male    female
            -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
            --------------------
  -1.000      2        4        6 no
   1.000     25        3       28 yes
            --------------------
 TOTAL       27        7       34
l = 7.868; df = 1; p = 0.005
```

```
[46] animals stated or implied to survive Flood
             no      yes
            -1.000   1.000    TOTAL gender Flood hero stated or implied to be
            --------------------
  -1.000     12       23       35  male
   1.000      9        1       10  female
            --------------------
 TOTAL       21       24       45
l = 10.678; df = 1; p = 0.001
```

```
[47] gender Flood hero stated or implied to be
            male    female
            -1.000   1.000    TOTAL Flood rescue device stated or implied to be man-made
            --------------------
  -1.000     16        8       24 no
   1.000     19        2       21 yes
            --------------------
 TOTAL       35       10       45
l = 3.912; df = 1; p = 0.048
```

There is a statistically significant, positive association 'gender Flood hero stated or implied to be female ' / 'post-Flood repopulation stated or implied to have been abnormal':[48] [*Why is it that, precisely on this point, the possession of female reproductive organs does not make reproduction self-evidence and unproblematic? Is the Flood a catastrophe of the female organs? Because the idea of a transformative cycle amounts to a denial of female prerogatives in reproduction? Or is the Flood simply a celebration of male dominance?*]

There is a statistically significant, positive association 'gender Flood hero stated or implied to be female' / 'post-Flood repopulation stated or implied to have been a-sexual'[49]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'sacrifice in evidence':[50]

1.2.6. With reference to the time before the Flood, is there any partner / sibling of the Flood hero(es) in evidence ?

1.2.6.1. Statistically significant associations of 'Flood hero's partner stated or implied to be a sibling'

There is a statistically significant, positive association 'plurality of worlds in evidence' / 'Flood hero's partner stated or implied to be a sibling'[51]   [plurality of worlds (among other things, a shamanic concept) presupposes the separation of Heaven and Earth – these are relatively advanced themes]

---

[48] gender Flood hero stated or implied to be
```
            male     female
           -1.000     1.000    TOTAL repopulation stated or implied to be abnormal
           --------------------
   -1.000     10        0      10 no
    1.000      4        4       8 yes
           --------------------
 TOTAL        14        4      18
l = 7.979; df = 1; p = 0.005
```

[49] gender Flood hero stated or implied to be
```
            male     female
           -1.000     1.000    TOTAL repopulation stated or implied to be a-sexual
           --------------------
   -1.000      7        4      11 no
    1.000      7        0       7 yes
           --------------------
 TOTAL        14        4      18
l = 4.649; df = 1; p = 0.031
```

[50] gender Flood hero stated or implied to be
```
            male     female
           -1.000     1.000    TOTAL sacrifice in evidence
           --------------------
   -1.000     28       10      38 no
    1.000      7        0       7 yes
           --------------------
 TOTAL        35       10      45
l = 3.872; df = 1; p = 0.049
```

[51] plurality of worlds in evidence
```
             no       yes
           -1.000     1.000    TOTAL partner stated or implied to be sibling
           --------------------
   -1.000     44        6      50 no
    1.000     20        9      29 yes
           --------------------
 TOTAL        64       15      79
l = 4.178; df = 1; p = 0.041
```

There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'Flood hero's partner stated or implied to be a sibling'[52] [evocation of the transformative cycle ; the partner is not a real partner but the adjacent element in the cycle]

There is a statistically significant, positive association between 'human agency stated or implied to have caused Flood' and 'Flood hero's partner stated or implied to be a sibling[53]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be a sibling' / 're-connection of Heaven and Earth in evidence'[54]   [528. It looks as if here, after all, lies the key to the interpretation of the 'Flood hero partner is sibling' as Heaven and Earth (Land / Water); but in other aspects of our analysis the interpretation in terms van elements was also rather applicable. ; sibling, twin is a form of reconnection; also think of the Nkoya idea concerning the identity of sister and spouse]

1.2.6.2. Flood hero(es) (attempt to) kill partner / sibling: Statistical associations of 'Flood hero's partner being stated or implied to be killed (or threatened to be killed)

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood hero's partner stated or implied to be a sibling'[55]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood rescue device stated or implied to be natural' [56]

---

[52] fire stated or implied to have caused Flood
```
            no      yes
          -1.000   1.000    TOTAL partner stated or implied to be sibling
          --------------------
  -1.000    49       1       50 no
   1.000    24       5       29 yes
          --------------------
 TOTAL      73       6       79
l = 5.998; df = 1; p = 0.014
```

[53] human agency stated or implied to have caused Flood
```
            no      yes
          -1.000   1.000    TOTAL partner stated or implied to be sibling
          --------------------
  -1.000    38      12       50 no
   1.000    15      14       29 yes
          --------------------
 TOTAL      53      26       79
l = 4.825; df = 1; p = 0.028
```

[54] partner stated or implied to be sibling
```
            no      yes
          -1.000   1.000    TOTAL re-connection in evidence
          --------------------
  -1.000    23       5       28 no
   1.000    27      24       51 yes
          --------------------
 TOTAL      50      29       79
l = 7.067; df = 1; p = 0.008
```

[55] partner stated or implied to be killed
```
            no      yes
          -1.000   1.000    TOTAL partner stated or implied to be sibling
          --------------------
  -1.000    50       0       50 no
   1.000    23       6       29 yes
          --------------------
 TOTAL      73       6       79
l = 12.895; df = 1; p = 0.000
```

[56] partner stated or implied to be killed
```
            no      yes
          -1.000   1.000    TOTAL Flood rescue device stated or implied to be natural
          --------------------
  -1.000    67       3       70 no
```

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'serpent stated or implied to have caused the Flood' [57] [Is it the Serpent that brings about the separation of Heaven and Earth? And if so, in which capacity:]

- as adversary tout court
- as obsolete principle that, in this ordered world image, can only bring about chaos, in the form of Chaos (Tiamat, Χάως, Apep)

But take care: the Act of Separation of heaven and Earth may be violent, painful and destructive, but it is also the Central Act of Creation! Serpent therefore also appears at the Ultimate Creator, prior to Heaven and Earth. The birdlike Sky god that becomes the Patron of the Flood Hero, is in the first place the bird of pray preying on the serpent as Snake (iconography: eagle holding snake in bill or claws, China and possibly other provenances). Also see: Zimbabwe rock art: snake into Heaven. That would mean that the Rainbow [Serpent] which the Sky god sets in the Sky, as , as a sign of the post-Flood covenant, is in fact (as so often when it comes to hierarchy and control / manipulation of one deity over the other) the subdued Supreme God of an earlier dispensation. But be careful: separating (the Act of Separation) may be violent, painful and destructive, but it is also the Central Act of Creation! Serpent therefore also appears as the Ultimate Creator, prior to Heaven and Earth. [This is another version of my NarCom 'The Earth as Primary' – Earth = Serpent , in this connection] . And when the Serpent is supplanted by the later dispensation featuring Heaven and Earth (after the invention of Heaven, in the context of shamanism and naked-eye astronomy, sometime in the Upper Palaeolithic I used to think until the present analysis threw into relief the relationship between shamanism and agriculture), then the Serpent becomes the primordial, chaotic stuff out of which Heaven and Earth are fashion – the Serpent becomes in itself, not the perpetrator, but the victim, of Creation as an Act of Separating Violent.]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'motif of the two children in evidence'[58]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'warning stated or implied to be made by the Flood causer' [59]

```
    1.000      6        3         9 yes
              --------------------
 TOTAL        73        6        79
l = 6.238; df = 1; p = 0.013
```

[57] partner stated or implied to be killed
```
              no      yes
            -1.000   1.000     TOTAL serpent stated or implied to have caused Flood
              --------------------
   -1.000     70       4        74 no
    1.000      3       2         5 yes
              --------------------
 TOTAL        73       6        79
l = 4.613; df = 1; p = 0.032
```

[58] partner stated or implied to be killed
```
              no      yes
            -1.000   1.000     TOTAL two children in evidence
              --------------------
   -1.000     60       2        62 no
    1.000     13       4        17 yes
              --------------------
 TOTAL        73       6        79
l = 6.244; df = 1; p = 0.012
```

[59] partner stated or implied to be killed
```
              no      yes
            -1.000   1.000     TOTAL warning stated or implied to be from Flood causer
              --------------------
   -1.000     14       0        14 no
    1.000      8       3        11 yes
              --------------------
 TOTAL        22       3        25
l = 5.455; df = 1; p = 0.020
```

1.2.7. The Flood hero in relation to the Flood causer

1.2.7.1. The Flood hero as ally of the Flood causer: Statistically significant association 'Flood hero stated or implied to be an ally of the Flood causer

Of course, the entire idea of a statistical analysis of Flood myths is based on the idea of their essential and profound comparability. Therefore my Aggregative Diachronic theory of global mythology constitutes a precondition for the present investigation. there is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of the Flood causer' / 'the Flood stated or implied to be caused by serpent':[60] [If the Serpent is pre-[out of Africa] Exodus adversary, then it must have been very considerably transformed before it can have taken on the connotation of ally of the Flood hero; with the Serpent itself, no alliance is possible. Se the preceding notes for the full argument.]

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'the causer of Flood stated or implied to be a supernatural being'[61]

There is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of Flood causer' / 'combat between Flood hero and Flood causer in evidence' [62]-

There is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero stated or implied to be that by virtue of knowledge' :[63]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to be ally of Flood causer'[64]

---

[60] Flood hero stated or implied to be ally of Flood causer:
```
            no      yes
          -1.000   1.000    TOTAL serpent stated or implied to have caused Flood
          --------------------
  -1.000    17      18        35 no
   1.000     5       0         5 yes
          --------------------
 TOTAL      22      18        40
l = 6.559; df = 1; p = 0.010
```

[61] Flood hero stated or implied to be ally of Flood causer:
```
            no      yes
          -1.000   1.000    TOTAL causer of Flood stated or implied to be supreme god
          --------------------
  -1.000    17       4        21 no
   1.000     4       8        12 yes
          --------------------
 TOTAL      21      12        33
l = 7.535; df = 1; p = 0.006
```

[62] combat between Flood hero and Flood causer in evidence
```
            no      yes
          -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
          --------------------
  -1.000     7       5        12 no
   1.000     8       0         8 yes
          --------------------
 TOTAL      15       5        20
l = 6.193; df = 1; p = 0.013
```

[63] Flood hero stated or implied to be ally of Flood causer:
```
            no      yes
          -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of knowledge
          --------------------
  -1.000    15      17        32 no
   1.000     7       1         8 yes
          --------------------
 TOTAL      22      18        40
l = 4.786; df = 1; p = 0.029
```

[64] gender Flood hero stated or implied to be

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence', and 'Flood hero said or implied to have a god for ally'[65] [*If the idea of an iterative, repetitive transformative cycle is breached in favour of the idea of a unique cosmoclasm, then one needs a commensurably exceptional great counterforce in order to contain and remedy this otherwise unthinkably devastation disaster. The idea of the High God springs not just from a thought experiment thinking through the separation of Land and Water (that was only a first attempt on my part), but springs particularly also from thinking through the enormous forces that have created, and that subsequently sustain, the world order! Besides, the thinkability of such forces increased and became easier with the increase of the complexity of socio-political realm created by humans, from the Upper Palaeolithic onwards.*

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'post-Flood re-population stated or implied to be through stones'[66]

1.2.7.2. Noaḥ as tꞌe proverbial Flood ꞌero

The biblical account of the Flood (Genesis 6-10) is complemented by Talmudic and Arabian traditions. According to these, the bones of Adam, and / or the animal skins (specifically reported to have been leopard skins) in which he and Eve were clothed after the Fall, were taken into the Ark as powerful relics and magical objects. The entire journey in the Ark fell under a prohibition of sexuality (which refers to the connection, found in Flood myth in many parts of the world, between the Flood and the discovery of sexuality – and also on the transformative cycle as an implicitly male-centred, mysogynic, a-sexual alternative to normal reproduction; but which was later rationalised by reference to the limited space in the Ark, which make procreation undesirable); Nuaḥ's son Ḥam allegedly violated this prohibition, and / or allegedly tried to commit magic with the bones and the skins, and these hideous acts were supposed to have been the true reason for Nuaḥ's curse of Ḥam (especially of the latter's son Canaan) – even though the Bible explains this curse (in what is unmistakably a concealing rationalisation) as resulting from Nuaḥ's hangover after the first-ever drunkenness. [67]

```
            male    female
            -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
           --------------------
  -1.000      9        6       15 no
   1.000     12        1       13 yes
           --------------------
 TOTAL       21        7       28
l = 4.249; df = 1; p = 0.039
```

[65] some kind of Flood rescue device ('Ark') in evidence
```
             no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
           --------------------
  -1.000      6       16       22 no
   1.000      0       18       18 yes
           --------------------
 TOTAL        6       34       40
l = 8.035; df = 1; p = 0.005
```

[66] Flood hero stated or implied to be ally of Flood causer:
```
             no      yes
            -1.000   1.000    TOTAL repopulation stated or implied to be from
                                    stones
           --------------------
  -1.000     22       15       37 no
   1.000      0        3        3 yes
           --------------------
 TOTAL       22       18       40
l = 5.091; df = 1; p = 0.024
```

[67] See especially: Heller 1993.

1.2.8. The primal twins as a particular pair of Flood heroes

1.2.8.1. Primal twins in the context of Flood myths

A motif that is found in many Flood myths is that of the Primal Twins, who produce (either in paradise, or in the first phase of repopulation after the Flood) other humans and gods; *cf.* the Ancient Egyptian Primal Twins Shu and Tefnut ('Air' and 'Moisture') the first offspring produced by the male primal god Atum through masturbation; and Genesis 2-3, in which – in a typical reversion of the original Water-Land relationship – the woman is produced from the man, and becomes his spouse. This motif is also found in the well-known Grimm fairy tale of Little Brother and Little Sister, in which however the Flood motif is almost completely submerged.[68]

1.2.8.2. Statistically significant associations of Two Children being in evidence in the Flood myth

\# There is a statistically significant, positive association 'shape-shifting in evidence' / 'motif of the two children in evidence'[69] [*puzzling: if we agree that shape-shifting refers to the transformative cycle then we cannot accommodate the Two Children. The association of shape-shifting with the demiurge and with sea gods such as Proteus suggests also a connection with the Mother of the Waters hence the Cosmogony of the Separation of Water and Land, and in that case the Two Children might be, not so much Heaven and Earth (with which I have identified them elsewhere in this list), but the cosmogonically analogous Water and Land*]

\# There is a statistically significant, positive association 'motif of the two children in evidence' / 'combat in evidence'[70] [again: combat is not just the transformative cycle and nothing more, otherwise it would not be associated with the Two Children]

\# There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'motif of the two children in evidence'[71]

\# There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'motif of the two children in evidence'[72]

---

[68] *Cf.* Grimm 1812-1815, no. 11: 'Brüderchen und Schwesterchen'.

```
[69] shape-shifting in evidence
                no      yes
             -1.000   1.000    TOTAL two children in evidence
             --------------------
   -1.000     57        5       62 no
    1.000     12        5       17 yes
             --------------------
 TOTAL        69       10       79
l = 4.655; df = 1; p = 0.031
```

```
[70] combat in evidence
                no     yes
             -1.000   1.000    TOTAL two children in evidence
             --------------------
   -1.000     42       20       62 no
    1.000      6       11       17 yes
             --------------------
 TOTAL        48       31       79
l = 5.785; df = 1; p = 0.016
```

```
[71] fire stated or implied to have caused Flood
                no     yes
             -1.000   1.000    TOTAL two children in evidence
             --------------------
   -1.000     60        2       62 no
    1.000     13        4       17 yes
             --------------------
 TOTAL        73        6       79
l = 6.244; df = 1; p = 0.012
```

There is a statistically significant, positive association 'hanging in evidence' / 'motif of the two children in evidence'[73] [*Heaven and Earth*]

There is a statistically significant, positive association between 'multiple Flood heroes are in evidence who are siblings' / 'motif of the two children in evidence'[74] [*Heaven and Earth, of Water and Land, rather than elements or the two luminaries*]

There is a statistically significant, positive association 're-connection of Heaven and Earth in evidence' / 'the motif of the two children in evidence' [75] [*Two Children as reconnection*]

There is a statistically significant, negative association 'motif of the two children in evidence' / 'Flood rescue device stated or implied to have been man-made' [76]

---

[72] partner stated or implied to be killed
```
              no      yes
            -1.000   1.000    TOTAL two children in evidence
            --------------------
   -1.000     60        2       62 no
    1.000     13        4       17 yes
            --------------------
 TOTAL        73        6       79
```
l = 6.244; df = 1; p = 0.012

[73] hanging in evidence
```
              no      yes
            -1.000   1.000    TOTAL two children in evidence
            --------------------
   -1.000     59        3       62 no
    1.000     10        7       17 yes
            --------------------
 TOTAL        69       10       79
```
l = 12.956; df = 1; p = 0.000

[74] multiple Flood heroes in evidence who are stated or implied to be siblings
```
              no   yes
            -1.000   1.000    TOTAL two children in evidence
            --------------------
   -1.000     18        6       24 no
    1.000      2       11       13 yes
            --------------------
 TOTAL        20       17       37
```
l = 12.895; df = 1; p = 0.000

[75] re-connection in evidence
```
              no   yes
            -1.000   1.000    TOTAL two children in evidence
            --------------------
   -1.000     27       35       62 no
    1.000      1       16       17 yes
            --------------------
 TOTAL        28       51       79
```
l = 10.202; df = 1; p = 0.001

[76] Flood rescue device stated or implied to be man-made
```
              no      yes
            -1.000   1.000    TOTAL two children in evidence
            --------------------
   -1.000     31       31       62 no
    1.000     14        3       17 yes
            --------------------
 TOTAL        45       34       79
```
l = 6.186; df = 1; p = 0.013

1.2.9. The Ark: The nature of the rescue from the Flood

1.2.9.1. Is there any effective Flood rescue device i.e. 'an Ark' in evidence?

There is a statistically significant, negative association 'some kind of Flood rescue device ('Ark') in evidence' / 'the Flood stated or implied to be associated with blood' [77] [*the blood and absence of ark appears to be an archaic version*]

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence', and 'Flood hero said or implied to have a god for ally'[78]

One would therefore expect a statistically significant association between the Flood hero's gender, and an Ark being in evidence – and in fact there is a strong indication of such an association but (given the relatively small sample size) it just fails to be significant:

like previous, blood stands for femininity, but the association between the gender of the Flood hero and the presence of some ark just falls short of being significant[79] -- it may have been significant if a larger sample had been used

1.2.9.2. Flood myths with no specific detached ark, but with a natural refuge as part of the landscape

In many Flood myths, the refuge is not a natural or man-made Ark, but merely a natural elevation such as a tree trunk, a tree or a mountain top.

1.2.9.3. Natural Flood rescue device serving as Ark: statistical associations

There is a statistically significant, positive association 'Flood rescue device stated or implied to be natural' / 'motif of the two children in evidence'[80] [Yet, of the idea of Two Children is so strongly associated with Heaven and

---

[77] some kind of Flood rescue device ('Ark') in evidence
```
             no      yes
           -1.000   1.000    TOTAL  association Flood and blood in evidence
          --------------------
  -1.000     11       63       74   no
   1.000      3        2        5   yes
          --------------------
 TOTAL       14       65       79
l = 4.866; df = 1; p = 0.027
```

[78] some kind of Flood rescue device ('Ark') in evidence
```
             no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
          --------------------
  -1.000      6       16       22 no
   1.000      0       18       18 yes
          --------------------
 TOTAL        6       34       40
l = 8.035; df = 1; p = 0.005
```

[79] some kind of Flood rescue device ('Ark') in evidence
```
             no      yes
           -1.000   1.000    TOTAL gender Flood hero stated or implied to be
          --------------------
  -1.000      4       31       35 male
   1.000      4        6       10 female
          --------------------
 TOTAL        8       37       45
l = 3.784; df = 1; p = 0.052; not significant!
```

[80] Flood rescue device stated or implied to be natural
```
             no      yes
           -1.000   1.000    TOTAL two children in evidence
```

Earth, then we still need to explain why this idea tends to be associated with a natural rescuing device. The only explanation which I have so far proposed is that here we are still very close to the transformative cycle.]

There is a statistically significant, positive association 'animal trickster-demiurge in evidence' / 'mountains stated or implied to constitute Flood rescue'[81]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood rescue device stated or implied to be natural' [82]

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who are siblings' / 'Flood rescue device stated or implied to be natural' [83]

There is a statistically significant, positive association 'incest in evidence' / 'Flood rescue device stated or implied to be natural', [84]

1.2.9.4. Rescue through climbing inside a reed

In several Flood myths, again especially from North-eastern Asia and the New World, Flood heroes (especially animals) escape from the Flood by climbing up to heaven in a narrow reed stalk. Here the parallel with the Greek Prometheus myth is particularly manifest: Prometheus carried the stolen fire in a reed stalk (narthex).

```
         --------------------
 -1.000     60        2        62 no
  1.000     10        7        17 yes
         --------------------
 TOTAL      70        9        79
l = 15.328; df = 1; p = 0.000
```

[81] animal trickster-demiurge in evidence
```
             no      yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be mountain
         --------------------
 -1.000     59        6        65 no
  1.000      9        5        14 yes
         --------------------
 TOTAL      68       11        79
l = 5.497; df = 1; p = 0.019
```

[82] partner stated or implied to be killed
```
             no      yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be natural
         --------------------
 -1.000     67        3        70 no
  1.000      6        3         9 yes
         --------------------
 TOTAL      73        6        79
l = 6.238; df = 1; p = 0.013
```

[83] multiple Flood heroes in evidence who are stated or implied to be siblings
```
             no      yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be natural
         --------------------
 -1.000     20       13        33 no
  1.000      0        4         4 yes
         --------------------
 TOTAL      20       17        37
l = 6.798; df = 1; p = 0.009
```

[84] incest in evidence
```
             no      yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be natural
         --------------------
 -1.000     68        2        70 no
  1.000      7        2         9 yes
         --------------------
 TOTAL      75        4        79
l = 3.961; df = 1; p = 0.047
```

1.2.9.5. Statistically significant associations of the Flood rescue device being man-made

There is a statistically significant, positive association 'Flood rescue device stated or implied to have been man-made' / 'causer of Flood stated or implied to be a god'[85]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'a third party stated or implied to be involved in the Flood episode'[86] [*596: by third party, not a man-made device: this is to be thought through further; but it could be an artefact*]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'Flood rescue device stated or implied to be natural' [87]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'Flood rescue device stated or implied to consist in a mountain or mountains'[88] [*mutually exclusive*]

There is a statistically significant, positive association 'Flood rescue device stated or implied to have been man-made' / 'post-Flood re-population stated or implied to be through stones' [89]

---

[85] Flood rescue device stated or implied to be man-made
```
              no      yes
           -1.000   1.000     TOTAL causer of Flood stated or implied to be a god
           --------------------
   -1.000     19        5      24 no
    1.000     10       11      21 yes
           --------------------
 TOTAL        29       16      45
l = 4.946; df = 1; p = 0.026
```

[86] Flood rescue device stated or implied to be man-made
```
              no      yes
           -1.000   1.000     TOTAL third party in evidence
           --------------------
   -1.000     19       25      44 no
    1.000     26        9      35 yes
           --------------------
 TOTAL        45       34      79
l = 7.901; df = 1; p = 0.005
```

[87] Flood rescue device stated or implied to be man-made
```
              no      yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
   -1.000     36       34      70 no
    1.000      9        0       9 yes
           --------------------
 TOTAL        45       34      79
l = 10.997; df = 1; p = 0.001
```

[88] Flood rescue device stated or implied to be man-made
```
              no    yes
           -1.000   1.000     TOTAL Flood rescue device stated or implied to be mountain
           --------------------
   -1.000     31       34      65 no
    1.000     14        0      14 yes
           --------------------
 TOTAL        45       34      79
l = 18.010; df = 1; p = 0.000
```

[89] Flood rescue device stated or implied to be man-made
```
              no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be through stones
           --------------------
   -1.000     45       31      76 no
    1.000      0        3       3 yes
           --------------------
 TOTAL        45       34      79
l = 5.216; df = 1; p = 0.022
```

There is a statistically significant, positive association 're-connection between Heaven and Earth stated or implied to be man-made' / 'warning in evidence' [90]

1.2.10. Are the Flood hero(es) / other protagonist(s) involved in a contest-game-combat

1.2.10.1. Statistically significant associations of 'combat in evidence'

There is a statistically significant, positive association 'combat in evidence' / 'serpent in evidence'[91] [this is another indication that the entire text of Genesis 1-12 amounts to a Flood story, *cf.* the Serpent in paradise ; yet the presence of the serpent suggests that the combat cannot simply be reduced to an expression of the transformative cycle and nothing more]

There is a statistically significant, positive association 'combat in evidence' / 'rank in evidence'[92] [this is not so clear; rank suggests a relatively late development – I believe I have miscoded the rank variable by assuming, during the data entry process, that 'hero', or 'demiurge', automatically imply: high rank]

There is a statistically significant, positive association 'combat in evidence' / 'demiurge in evidence'[93]

There is a statistically significant, positive association 'combat in evidence', / 'the motif of demiurge and murder in evidence'[94] [puzzling: murder we can interpret in terms of the transformative cycle (E_n destroys E_{n-1}), but the demiurge seems to be a different kettle of fish altogether]

---

[90] Flood rescue device stated or implied to be man-made
```
              no       yes
           -1.000    1.000      TOTAL warning in evidence
           --------------------
  -1.000     34        18        52 no
   1.000     11        16        27 yes
           --------------------
 TOTAL       45        34        79
l = 4.399; df = 1; p = 0.036
```

[91] combat in evidence
```
              no    yes
           -1.000    1.000      TOTAL serpent in evidence
           --------------------
  -1.000     45        24        69 no
   1.000      3         7        10 yes
           --------------------
 TOTAL       48        31        79
l = 4.452; df = 1; p = 0.035
```

[92] combat in evidence
```
              no    yes
           -1.000    1.000      TOTAL rank in evidence
           --------------------
  -1.000     39        18        57 no
   1.000      9        13        22 yes
           --------------------
 TOTAL       48        31        79
l = 4.966; df = 1; p = 0.026
```

[93] combat in evidence
```
              no    yes
           -1.000    1.000      TOTAL demiurge in evidence
           --------------------
  -1.000     33        13        46 no
   1.000     15        18        33 yes
           --------------------
 TOTAL       48        31        79

l = 5.579; df = 1; p = 0.018
```

There is a statistically significant, positive association 'two children in evidence'/ 'combat in evidence'[95] [again; the combat as an intermediate development, for the Two Children are not easily explained in terms of the transformative cycle ; by an Ancient Egyptian analogy (Tefnut and Shu, the first creatures to be created by Atum, through masturbation, and associated not only with Humidity and Air, but also with Sun and Moon – as the Eyes of Horus) one might think that the Two Children revert to an initial step in the Cosmogony of the Separation of Heaven and Earth – *cf.* Genesis 1:16]

There is a statistically significant, negative association 'combat in evidence' / 'fish in evidence'[96]

There is a statistically significant, positive association 'combat in evidence' / 'fire stated or implied to have caused the Flood'[97] [*this still reminds us of the battle between fire and water, and of the entire transformative cycle of water, fire, earth, light, wood and metal. It was at this point in my analysis, in fact, that I was struck by the insight that what we are essentially dealing with, in these Flood myth, is mutations of a cosmological transformative cycle*]

There is a statistically significant, **negative** association 'combat in evidence' / 'cosmoclasm stated or implied to be a Flood[98] [makes sense: if the combat is an evocation of an intact transformative cycle, then one element (Water) cannot take over the whole of reality]

```
94 combat in evidence
             no    yes
           -1.000  1.000    TOTAL motif of demiurge and murder in evidence
           ---------------------
   -1.000    44      21       65 no
    1.000     4      10       14 yes
           ---------------------
 TOTAL       48      31       79
l = 7.287; df = 1; p = 0.007


95 combat in evidence
             no    yes
           -1.000  1.000    TOTAL two children in evidence
           ---------------------
   -1.000    42      20       62 no
    1.000     6      11       17 yes
           ---------------------
 TOTAL       48      31       79
l = 5.785; df = 1; p = 0.016


96 combat in evidence
             no    yes
           -1.000  1.000    TOTAL fish in evidence
           ---------------------
   -1.000    42      31       73 no
    1.000     6       0        6 yes
           ---------------------
 TOTAL       48      31       79
l = 6.295; df = 1; p = 0.012


97 combat in evidence
             no    yes
           -1.000  1.000    TOTAL fire stated or implied to have caused Flood
           ---------------------
   -1.000    48      25       73
    1.000     0       6        6
           ---------------------
 TOTAL       48      31       79
l = 12.002; df = 1; p = 0.001


98 combat in evidence
             no    yes
           -1.000  1.000    TOTAL cosmoclasm stated or implied to be Flood
           ---------------------
   -1.000     2       6        8 no
    1.000    46      25       71 yes
           ---------------------
 TOTAL       48      31       79
l = 4.711; df = 1; p = 0.030
```

There is a statistically significant, positive association 'combat in evidence' / 'mountains stated or implied to result from Flood'99 [*Could this be part of the same transformative cycle: water produces earth? Is it still an echo of the original separation of Land and Water?*]

There is a statistically significant, positive association 'combat in evidence' / 'Flood stated or implied to end paradise'100 [*rather logically so, more or less by implication; taken literally from a modern perspective, the combat is the opposite of Paradise, for it means strife; however, if we look at Paradise as the history-less cycle of self-repetitive transformations, then combat is an expression of the same*]

There is a statistically significant, negative association 'combat in evidence' / 'multiple Flood heroes are in evidence who constitute a married couple'101 [the crux seems to be, not the fact that there are multiple Flood heroes (for these we have learned to understand as elements within a transformative cycle) but that there are only two elements which moreover intimately belong together as a married couple – both in number, and in terms of the strength and uniqueness of the bond, a breach of the transformative cycle]

There is a statistically significant, positive association 'combat in evidence' and 'a third party stated or implied to be involved in the Flood episode'102 [*Third Party: Adversary, Serpent, Rainbow Serpent; or the other elements ; yet again indicating that combat cannot be totally relegated to the transformative cycle, for then there could not be a Third Party ; however, see the next item*]

---

99 combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL mountains stated or implied to result from Flood
          --------------------
   -1.000    48      26       74 no
    1.000     0       5        5 yes
          --------------------
 TOTAL       48      31       79
l = 9.885; df = 1; p = 0.002
```

100 combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL Flood stated or implied to be end paradise
          --------------------
   -1.000    48      27       75 no
    1.000     0       4        4 yes
          --------------------
 TOTAL       48      31       79
l = 7.818; df = 1; p = 0.005
```

101 combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL multiple Flood heroes stated or implied to be married couple
          --------------------
   -1.000    16      16       32 no
    1.000     5       0        5 yes
          --------------------
 TOTAL       21      16       37
l = 6.254; df = 1; p = 0.012
```

102 combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL third party in evidence
          --------------------
   -1.000    36       8       44 no
    1.000    12      23       35 yes
          --------------------
 TOTAL       48      31       79
l = 19.102; df = 1; p = 0.000
```

There is a statistically significant, positive association 'combat in evidence' / 'Flood hero stated or implied to be trickster'[103] [more than the Demiurge, the Trickster can be seen as a simple evocation of the (shape shifting, ever transforming) transformative cycle; this would throw light on the previous item: apparently the difference between Trickster and Demiurge is not always so very great]

There is a statistically significant, positive association 'combat in evidence', and 'Flood hero stated or implied to survive Flood'[104] [this I cannot explain on the basis of the transformative cycle – unless the Flood hero is reality itself, which persists immutably but merely undergoes ephemeral, unessential format changes

There is a statistically significant, positive association 'combat in evidence' and 'earth diver in evidence' [105] [Does this not suggest that the earth diver belongs to Pandora's Box? Yet is also surfaces in North America and in North East Asia. Or would Flood myth have their origin there (yes! in North East Asia, where the origin lies of mtDNA Type B). This means t hat the Earth Diver belongs to NarCom 11. It is also a production of CITI III (and therefore should no longer be listed as a separate NarCom in its own right). The earth diver is also part of the transformative cycle: Earth ends Water / Earth destroys Water. The entire combat theme is cosmological in addition to social/political/military. ; So paradise precedes the cosmological transformative cycle, or exists outside that cycle; paradise revolves on the idea of the unity of opposites, in such a way that one's sibling can be one's spouse. ; Could we not also interpret the Trickster in this sense? The trickster does not represent the (pre-cosmogonic) Chaos, but the transformation, the cycle. In fact the idea of transcendence is, in the first place, a denial of the transformation cycle. This is why the separation of Heaven and Earth radically both creates and upsets/threatens/changes the order of reality. This is perhaps also why China, especially Taoism, has never fundamentally adopted the vertical scheme (despite paying lip-service to Heaven and to the emperor as the Son of Heaven) and has been stuck in the transformative cycle (I Ching, pa kua) – just like Africa, incidentally, where true transcendence is relatively unthinkable for reasons why I have explored elsewhere (leopard studies).]

There is a statistically significant, positive association between 'combat in evidence' and 'earth diver stated or implied to have ended Flood'[106]

---

[103] combat in evidence
```
            no     yes
          -1.000  1.000    TOTAL Flood hero stated or implied to be trickster
          --------------------
 -1.000     36      23      59 no
  1.000      2       8      10 yes
          --------------------
 TOTAL      38      31      69
l = 6.032; df = 1; p = 0.014
```

[104] combat in evidence
```
            no     yes
          -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
          --------------------
 -1.000      8       1       9 no
  1.000     27      23      50 yes
          --------------------
 TOTAL      35      24      59
l = 4.455; df = 1; p = 0.035
```

[105] combat in evidence
```
            no     yes
          -1.000  1.000    TOTAL earth diver in evidence
          --------------------
 -1.000     48      26      74 no
  1.000      0       5       5 yes
          --------------------
 TOTAL      48      31      79
l = 9.885; df = 1; p = 0.002
```

[106] combat in evidence
```
            no     yes
          -1.000  1.000    TOTAL earth diver stated or implied to have ended Flood
          --------------------
 -1.000     48      27      75 no
  1.000      0       4       4 yes
          --------------------
 TOTAL      48      31      79
l = 7.818; df = 1; p = 0.005
```

There is a statistically significant, positive association 'combat in evidence' and 'post-Flood re-connection between Heaven and Earth stated or implied to be human'[107] [this does not fit our theory: re-connection appears to be a relatively late theme since it presupposes the Separation of Heaven and Earth; however, one could also argue that such re-connection tries to annihilate such Separation of Heaven and Earth as has been effected, and therefore tries to revert back to an earlier cosmological phase, in other words is regressive and typologically early, not late. The combat motif seems to constitute an intermediate stage: trying to steer away from the transformative cycle, but not very well succeeding

1.2.10.2. Statistically significant associations of the Flood hero / causer combat

There is a statistically significant, **negative** association 'supernatural in evidence' / 'combat between Flood hero and Flood causer in evidence':[108] [for a combat between Flood hero and Flood causer would be predicated on the assumption that the two antagonists are equal, in other words that we find ourselves within an immanentalist world view which has not room for transcendence and the idea of a god, let alone a Supreme God]

There is a statistically significant, **negative** association 'combat between Flood hero and Flood causer in evidence' / 'food crops in evidence';[109]

there is an there is a statistically significant, positive association between 'gender of the supernatural stated or implied', and 'combat between Flood hero and Flood causer in evidence':[110]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'human trickster-demiurge in evidence'[111] [is very important, because here combat is still translated in terms of a

---

[107] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL re-connection stated or implied to be human
          --------------------
  -1.000     45      23       68 no
   1.000      3       8       11 yes
          --------------------
 TOTAL       48      31       79
l = 5.919; df = 1; p = 0.015
```

[108] combat between Flood hero and Flood causer in evidence
```
            no     yes
          -1.000   1.000    TOTAL supernatural in evidence
          --------------------
  -1.000      2       3        5 no
   1.000     16       2       18 yes
          --------------------
 TOTAL       18       5       23
l = 4.797; df = 1; p = 0.029
```

[109] combat between Flood hero and Flood causer in evidence
```
            no     yes
          -1.000   1.000    TOTAL food crops in evidence
          --------------------
  -1.000     17       6       23 no
   1.000      8       0        8 yes
          --------------------
 TOTAL       25       6       31
l = 4.060; df = 1; p = 0.044
```

[110] combat between Flood hero and Flood causer in evidence
```
            no     yes
          -1.000   1.000    TOTAL gender of the supernatural stated or implied to be
          --------------------
  -1.000      8       0        8 male
   1.000      0       1        1 female
          --------------------
 TOTAL        8       1        9
l = 6.279; df = 1; p = 0.012
```

combat between the Flood hero and the Flood causer (*e.g.* Marduk / Tiamat),and the Flood hero has not yet become the ally / servant / dependent of a Supreme God. ; In view of the evocation of the cosmological transformative cycle, the trickster is nothing but the combat, but that is an implication at the level of the Ancient Thought as reconstructed by me, not at the level of the modernist logic of statistical analysis.; again immanentalist implications – as are characteristic of the transformative cycle]

There is a statistically significant, **negative** association 'combat between Flood hero and Flood causer in evidence' / 'causer of Flood stated or implied to be supernatural':[112]

There is a statistically significant, **negative** association between 'combat between Flood hero and Flood causer in evidence' / 'warning in evidence':[113]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver in evidence'[114]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver stated or implied to end the Flood'[115] [Excellent, once one has finally recognised that combat, trickster, Earth Diver have so much in common as aspects of the cosmological transformative cycle, then everything falls in

---

[111] combat between Flood hero and Flood causer in evidence
```
               no    yes
            -1.000   1.000    TOTAL human trickster-demiurge in evidence
            ---------------------
   -1.000      22       2        24 no
    1.000       3       4         7 yes
            ---------------------
 TOTAL         25       6        31
l = 7.133; df = 1; p = 0.008
```

[112] combat between Flood hero and Flood causer in evidence
```
               no    yes
            -1.000   1.000    TOTAL causer of Flood stated or implied to be
                                    supernatural
            ---------------------
   -1.000      11       6        17 no
    1.000       7       0         7 yes
            ---------------------
 TOTAL         18       6        24
l = 4.918; df = 1; p = 0.027
```

[113] combat between Flood hero and Flood causer in evidence
```
               no    yes
            -1.000   1.000    TOTAL warning in evidence
            ---------------------
   -1.000      15       6        21 no
    1.000      10       0        10 yes
            ---------------------
 TOTAL         25       6        31
l = 5.335; df = 1; p = 0.021
```

[114] combat between Flood hero and Flood causer in evidence
```
               no    yes
            -1.000   1.000     TOTAL earth diver in evidence
  ---------------------
   -1.000      23       3        26 no
    1.000       2       3         5 yes
  ---------------------
 TOTAL         25      6 31
l = 5.136; df = 1; p = 0.023
```

[115] combat between Flood hero and Flood causer in evidence
```
               no    yes
            -1.000   1.000    TOTAL earth diver stated or implied to have ended Flood
            ---------------------
   -1.000      24       3        27 no
    1.000       1       3         4 yes
            ---------------------
 TOTAL         25       6        31
l = 7.127; df = 1; p = 0.008
```

place. Would that cycle belong to Pandora's Box? I do not think so, see above. Yet, just as a said: Combat = transformation cycle, essentially immanent, does not agree with the verticalisation which breached through the de cosmological transformative cycle (the latter conceived as *Ewigen Widerkehr des Gleichen* (Nietzsche; cf. Heidegger 1986.*).*]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'combat between Flood hero and Flood causer in evidence' [116]

There is a statistically significant, **negative** association 'Flood hero stated or implied to repopulate' / 'combat between Flood hero and Flood causer in evidence':[117] [for combat is an expression of the transformative cycle, which knows no ordinary reproduction but only produces through cyclical transformation]

There is a statistically significant, **negative** association 're-connection between Heaven and Earth in evidence' / 'combat between Flood hero and Flood causer in evidence':[118]

1.2.11. How was it known that the Flood had stopped?

1.2.11.1. Was a bird sent out by the Flood hero?

Although elsewhere in this analysis I have suggested that the bird sent out by the Flood hero could be a transformation of the earth diver, and thus ultimately a personification of the process of the Land separating from the Primal Waters, some of the statistical associations found around the Flood hero being stated or implied to sent out one or more birds merely conjure up the familiar Nuaḥite model.

Thus there is a statistically significant positive association between birds being stated or implied to be sent out, and the Flood hero's status as an ally of the Flood causer [what this ultimately seems to mean is that here we are in the realm where Heaven and Earth are thought to be separated, notably by air, which is the birds' domain – this marks the bird motif as relatively advanced]

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood causer stated or implied to be a god' [119]   [*Is it possible that the bird is in reality a god in its own right? Raven, Eagle, Horus –*

---

[116] combat between Flood hero and Flood causer in evidence
```
              no     yes
            -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
           --------------------
   -1.000     24       3        27
    1.000      1       3         4
           --------------------
 TOTAL        25       6        31
l = 7.127; df = 1; p = 0.008
```

[117] combat between Flood hero and Flood causer in evidence
```
              no     yes
            -1.000   1.000    TOTAL Flood hero stated or implied to repopulate
           --------------------
   -1.000      7       3        10
    1.000     14       0        14
           --------------------
 TOTAL        21       3        24
l = 5.868; df = 1; p = 0.015
```

[118] combat between Flood hero and Flood causer in evidence
```
              no     yes
            -1.000   1.000    TOTAL re-connection in evidence
           --------------------
   -1.000      3       4         7 no
    1.000     22       2        24 yes
           --------------------
 TOTAL        25       6        31
l = 7.133; df = 1; p = 0.008
```

always the celestial god as bird; cf. also the sacred birds as pan-Nostratic animals. And in addition all sacred birds from Greek mythology (cf. Graves 1964). ; I cannot imagine that all these cases of bird are all based on a Noahic model; check this in the data set. Cf. van Binsbergen & Woudhuizen 2011.]

There is a statistically significant, positive association between 'bird stated or implied to be sent out', and 'causer of Flood stated or implied to be the Supreme God'.[120] :

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood hero stated or implied to have been human' [121]

There is a statistically significant, positive association between 'bird stated or implied to be sent out' and 'Flood hero stated or implied to be ally of Flood causer' [122]

There is a statistically significant, positive association between 'bird stated or implied to be sent out' and 'Flood rescue device stated or implied to be man-made'[123]

```
119 bird stated or implied to be sent
                no     yes
            -1.000   1.000     TOTAL  causer of Flood stated or implied to be a god
            --------------------
   -1.000     24       0        24 no
    1.000     16       5        21 yes
            --------------------
 TOTAL        40       5        45
l = 8.342; df = 1; p = 0.004


120 bird stated or implied to be sent
                no     yes
            -1.000   1.000     TOTAL causer stated or implied to be supreme god
            --------------------
   -1.000     30       0        30 no
    1.000     10       5        15 yes
            --------------------
 TOTAL        40       5        45
l = 12.299; df = 1; p = 0.000


121 bird stated or implied to be sent
                no     yes
            -1.000   1.000     TOTAL    Flood hero stated or implied to be human
            --------------------
   -1.000     17       0        17    no
    1.000     45       7        52    yes
            --------------------
 TOTAL        62       7        69
l = 4.212; df = 1; p = 0.040


122 bird stated or implied to be sent
                no     yes
            -1.000   1.000     TOTAL   Flood hero stated or implied to be ally of Flood
                                       causer
            --------------------
   -1.000     21       1        22    no
    1.000     11       7        18    yes
            --------------------
 TOTAL        32       8        40
l = 7.839; df = 1; p = 0.005


123 bird stated or implied to be sent
                no     yes
            -1.000   1.000     TOTAL  Flood rescue device stated or implied to be
                                      man-made
            --------------------
   -1.000     44       1        45 no
    1.000     27       7        34 yes
            --------------------
 TOTAL        71       8        79
l = 7.636; df = 1; p = 0.006
```

There is a statistically significant, positive association between 'warning in evidence', and 'bird stated or implied to be sent out' out:[124]   [*bird looks like warning: bridging information-distance in space and time*]

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'sacrifice in evidence'[125]

1.2.12. Repopulation and reproduction after the Flood

1.2.12.1. Modes of repopulation after the Flood; the persistence of an older, vegetal cosmogony

In many Flood myth repopulation of the world after the Flood takes places in the following manner. One or two surviving Flood heroes produce (in all sort of varieties of sexual and a-sexual reproduction) a smooth, undifferentiated object, and it is only from that object that children, animals *etc.* emerge secondarily. The interpretation of this undifferentiated object is not obvious. However, it is clear that in late cosmogonies (like that of the separation of Water and Land, and the separation of Heaven and Earth) much older dispensations continue to shimmer through. One of the latter was the idea that the entire world has a vegetal origin, had grown on a tree. This cosmogony we still encounter in the motif of the tree of life,[126] of the tree of the Knowledge of Good and Evil in paradise (Genesis 2: 17), Buddha's tree of illumination, birth from a cabbage, the Ark as a naturally grown vegetal product (calabash, nut, reed), and from the many vegetal mechanisms to which myths attributes the post-Flood repopulation of the world with animal and human life. Against this background we can recognise the undifferentiated intermediate product as another fruit or tuber from which (without any recognisable reference sexuality, – for the latter has brought forth the terrible Flood) the ancient vegetative cosmogony is revived, in a context where, in fact, that ancient cosmogony had already been supplanted by the separation of Water and Land. We may perceive that the man-made Ark (for instance that of Noaḥ, Utnapishtim, Ziusudra, Athrakhasis, the Flood heroes of the Ancient Near East) in itself appears to be a transformation of the natural Flood refuges such as the calabash, nut and reed. Thus the image of the undifferentiated smooth intermediate product which, *after the Flood* i.e. in some sort of secondary creation, formed a vegetative, a-sexual intermediate step towards the repopulation of the earth, repeats the vegetative imagery of the wooden man-made or naturally grown Ark. *Both images are directly tributary to the older cosmogony which made everything grow from a tree.* Incidentally such motifs are remarkably persistent. Our modern time has seen, in Murray Leinster's science fiction novelette *First Contact* (1945),[127] the image of an extraterrestrial world which is so thoroughly vegetative (even the space ships are some sort of calabashes grown from a tree), that the intelligent beings from that world devour any animal tissue as the greatest possible treat – which becomes fatal, not only to the early astronauts that make first contact with them, but also for their trouser belts and for the upholstery of their spaceship's cabins.

---

[124]
```
     bird stated or implied to be sent
            no      yes
          -1.000   1.000     TOTAL warning in evidence
          --------------------
  -1.000     51       1       52 no
   1.000     20       7       27 yes
          --------------------
 TOTAL       71       8       79
 l = 11.015; df = 1; p = 0.001
```

[125]
```
     bird stated or implied to be sent
            no      yes
          -1.000   1.000     TOTAL sacrifice in evidence
          --------------------
  -1.000     65       5       70  no

   1.000      6       3        9  yes
          --------------------
 TOTAL       71       8       79
 l = 4.319; df = 1; p = 0.038
```

[126] Widengren 1951; Parpola 1993; Kuntz & Kuntz 1987; James 1966; Murphy 2002; Goldsmith 1924.

[127] Reprinted several times, also in: Leinster 1998.

1.2.12.2. Statistically significant association of repopulation of the world after the Flood being through abnormal reproduction

There is a statistically significant, positive association 'gender trickster-demiurge stated or implied to be female ' / 'post-Flood repopulation stated or implied to have been abnormal'[128] [*abnormal if Flood hero female...; is the Flood also about the imposition of a male dominant social, cultural and religious order?*]

There is a statistically significant, negative association 'post-Flood re-connection between heaven and earth stated or implied to be man-made' / 'post-Flood repopulation stated or implied to have been abnormal'[129]

1.2.12.3. Statistically significant associations of 'repopulation of the world after the Flood being through a-sexual reproduction'

There is a statistically significant, positive association human trickster-demiurge / 'post-Flood repopulation stated or implied to be a-sexual' [130]

There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'multiple Flood heroes in evidence stated or implied to be siblings'[131] [this clearly evokes the transformative cycle of elements (= the multiple heroes, amongst them Fire, and Water)]

There is a statistically significant, positive association 'food crops in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual'[132]

---

[128] gender trickster-demiurge stated or implied to be
```
            male    female
            -1.000   1.000    TOTAL repopulation stated or implied to be
                                     abnormal
            --------------------
   -1.000      7       0        7 no
    1.000      1       3        4 yes
            --------------------
 TOTAL         8       3       11
l = 8.392; df = 1; p = 0.004
```

[129] re-connection stated or implied to be man-made
```
             no    yes
            -1.000   1.000    TOTAL repopulation stated or implied to be abnormal
            --------------------
   -1.000     16       4       20 no
    1.000     13       0       13 yes
            --------------------
 TOTAL        29       4       33
l = 4.360; df = 1; p = 0.037
```

[130] human trickster-demiurge in evidence
```
             no    yes
            -1.000   1.000    TOTAL repopulation stated or implied to be a-sexual
            --------------------
   -1.000     21       0       21 no
    1.000     10       2       12 yes
            --------------------
 TOTAL        31       2       33
l = 4.276; df = 1; p = 0.039
```

[131] fire stated or implied to have caused Flood
```
             no    yes
            -1.000   1.000    TOTAL multiple Flood heroes in evidence who are stated or implied to
be siblings
            --------------------
   -1.000     20       0       20 no
    1.000     14       3       17 yes
            --------------------
 TOTAL        34       3       37
l = 4.980; df = 1; p = 0.026
```

There is a statistically significant, positive association 'gender trickster-demiurge stated or implied to be male' / 'post-Flood repopulation stated or implied to have been a-sexual'[133] [to be male ; logically, for the have no womb] – but the latter observation is anachronistic, too much based on modern thought ; a small number of cases yet of interest; this seems another application of the transformative cycle . Could one say that the idea of the Flood myth revolves on a dramatic collapse of the cosmological transformative cycle? In other words, not only is order created through the separation of Land / Water, and not only because the Flood myth as a thought experiment is based on thinking through the separation of Land and Water as a cosmogonic points of departure. Or is this transformative cycle a further elaboration of this cosmology of the separation of Water / Land? Or is that separation Water / Land, as depicted above, a boundary case, a collapse of the cosmic transformative cycle? I am inclined to take the latter view, for if combat and trickster are in Pandora's Box; which I very much doubt, however, this is contradictory] then it stands to reason that also the transformative cycle belongs to Pandora's Box ; yet I have a considerable problem with that idea]

There is a statistically significant, positive association 'earth diver in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual' [134]

the rationale behind a-sexual and abnormal reproduction in post-Flood repopulation of the earth: modes of repopulation after the Flood; the persistence of an older, vegetal cosmogony

statistical associations of post-Flood a-sexual reproduction being specifically through stones

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'post-Flood re-population stated or implied to be through stones'[135]

```
132 food crops in evidence
             no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
          --------------------
  -1.000      18        3       21 no
   1.000       6        6       12 yes
          --------------------
 TOTAL        24        9       33
l = 4.812; df = 1; p = 0.028

133 gender trickster-demiurge stated or implied to be
            male    female
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
          --------------------
  -1.000       1        3        4 no
   1.000       7        0        7 yes
          --------------------
 TOTAL         8        3       11
l = 8.392; df = 1; p = 0.004

134 earth diver in evidence
             no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
          --------------------
  -1.000      21        0       21 no
   1.000      10        2       12 yes
          --------------------
 TOTAL        31        2       33
l = 4.276; df = 1; p = 0.039

135 Flood hero stated or implied to be ally of Flood causer:
             no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be from
                                    stones
          --------------------
  -1.000      22       15       37 no
   1.000       0        3        3 yes
          --------------------
 TOTAL        22       18       40
l = 5.091; df = 1; p = 0.024
```

1.2.12.4. Statistically significant association of post-Flood repopulation being through normal reproduction

There is a statistically significant, positive association 'post-Flood repopulation stated or implied to be through normal sexuality' / 'separation of Water and Land in evidence'[136]   [both not archaic]

There is a statistically significant, negative association 'post-Flood repopulation stated or implied to be through normal sexuality' / 'shape-shifting in evidence'[137]

There is a statistically significant, negative association 'trickster-demiurge in evidence' / 'post-Flood repopulation stated or implied to be through normal sexuality':[138]

There is a statistically significant, negative association between 'animal trickster-demiurge in evidence', and 'post-Flood repopulation stated or implied to be through normal sexuality':[139]

There is a statistically significant, negative association 'the motif of trickster-demiurge and murder is in evidence' / 'post-Flood repopulation stated or implied to be through normal sexuality'[140]

---

[136]
```
repopulation stated or implied to be normal
            no    yes
          -1.000  1.000     TOTAL separation of the waters in evidence
          --------------------
  -1.000    3       0        3 no
   1.000    0       2        2 yes
          --------------------
 TOTAL      3       2        5
l = 6.730; df = 1; p = 0.009
```

[137]
```
repopulation stated or implied to be normal
            no    yes
          -1.000  1.000     TOTAL shape-shifting in evidence
          --------------------
  -1.000   18      10       28 no
   1.000    5       0        5 yes
          --------------------
 TOTAL     23      10       33
l = 3.987; df = 1; p = 0.046
```

[138]
```
trickster-demiurge in evidence
            no    yes
          -1.000  1.000     TOTAL repopulation stated or implied to be normal
          --------------------
  -1.000    7      16       23 no
   1.000    9       1       10 yes
          --------------------
 TOTAL     16      17       33

l = 10.949; df = 1; p = 0.001
```

[139]
```
animal trickster-demiurge in evidence
            no    yes
          -1.000  1.000     TOTAL repopulation stated or implied to be normal
          --------------------
  -1.000   15       8       23 no
   1.000   10       0       10 yes
          --------------------
 TOTAL     25       8       33
l = 6.834; df = 1; p = 0.009
```

[140]
```
motif of trickster-demiurge and murder in evidence
            no    yes
          -1.000  1.000     TOTAL repopulation stated or implied to be normal
          --------------------
  -1.000   15       8       23 no
   1.000   10       0       10 yes
          --------------------
 TOTAL     25       8       33
l = 6.834; df = 1; p = 0.009
```

There is a statistically significant, negative association 'post-Flood repopulation stated or implied to be a-sexual' / 'post-Flood repopulation stated or implied to be through normal sexuality'[141]

With this insight in t he central place of the cosmic transformative cycle in Flood myths we may also understand the fire problematics which surfaces in this context all the time:

- fire as alternative to water in cosmoclasm
- fire as prohibited after the Flood

The idea that water has extinguished all fire is a rationalisation (possible already of the narrators, certainly of the analysts). In fact, what we have here is:

- fire ←the alternative Flood
- water ←Flood
- wood ←Ark
- air ←separation of heaven and earth, bird
- earth / metal ←the mountains as refuge, as resulting from the Flood, or as natural reconnection of heaven and earth

yes it is a narrative that has nothing to do with reproduction, but once the awareness of t he old cosmological transformative cycle has been lost, one can re-tell the story in terms of reproduction in order to retain and transmit it – for at that relatively late stage one still realises (probably on the basis of persisting ritual) that what is involved is an important myth, but the true nature of the myth is no longer understood. This means that my entire concentration on post-Flood reproduction, in the data entry, may well have been a red herring.

1.2.12.5. Statistically significant association of the Flood hero personally engaging in repopulation of the world after the Flood

statistically significant associations of 'Flood hero stated or implied to repopulate after the Flood'

There is a statistically significant, negative association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to repopulate' :[142] [*Yes, the Flood hero; as trickster, specifically?*] *should not at all be occupied with repopulation. The Flood hero as trickster is simply the cosmological transformative cycle; the emphasis on reproduction (e.g. in Genesis 10) is a later development, after the idea of a transformative cycle had been lost.*]

---

[141] repopulation stated or implied to be abnormal
```
             no    yes
           -1.000  1.000    TOTAL repopulation stated or implied to be normal
          --------------------
  -1.000     11      12       23 no
   1.000     10       0       10 yes
          --------------------
 TOTAL       21      12       33
l = 11.421; df = 1; p = 0.001
```

[142] human trickster-demiurge in evidence
```
             no    yes
           -1.000  1.000    TOTAL Flood hero stated or implied to repopulate
          --------------------
  -1.000     19       7       26 no
   1.000     34       1       35 yes
          --------------------
 TOTAL       53       8       61
l = 8.033; df = 1; p = 0.005
```

There is a statistically significant, negative association 'Flood hero stated or implied to repopulate' / 'combat between Flood hero and Flood causer in evidence':[143] [*I have already said something on the importance of ridicule. On second thoughts, what seems to be ridiculed is the modernist, verticalist, providentialist conception of a process (the Flood) that in fact is based on an unavoidable and fundamental structure of reality, notably the transformative cycle, which is completely amoral and essentially impersonal. Yet the Flood hero persists in his actions, he ignores the ridicule, for he is the pioneer of a post-cyclical, linear historical world image. It is in Flood myths that history comes into being. Thus also in Ovid and in Genesis. ; as if standard heterosexual procreation also presupposes a 'standard' transcendent god and a human being who is unequal to and subservient to that god*]

There is a statistically significant, negative association 'Flood hero stated or implied to repopulate after the Flood' / 'ridicule in evidence' [144](

There is a statistically significant, negative association 'earth diver stated or implied to end the Flood' / 'Flood hero stated or implied to repopulate' :[145] [*Flood hero stated or implied to repopulate after the Flood ; The idea that the Earth Diver ends the Flood must then be taken very literally:*

$$\text{Water} \quad \longrightarrow \quad \text{Earth}$$

$$\text{element}_{n-1} \quad \longrightarrow \quad \text{element}_n$$
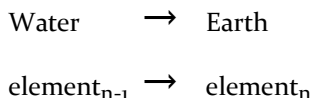
There is a statistically significant, **negative** association: 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to repopulate':[146] [*688: in the Earth Diver the old transformative cycle (although in mutated form) is yet too much present than that there is room for normal reproduction. [this kind of relationships can only be understand as a perversion of the transformative cycle*

---

[143] combat between Flood hero and Flood causer in evidence
```
              no     yes
            -1.000   1.000    TOTAL Flood hero stated or implied to repopulate
            --------------------
  -1.000       7       3       10
   1.000      14       0       14
            --------------------
 TOTAL        21       3       24
l = 5.868; df = 1; p = 0.015
```

[144] Flood hero stated or implied to repopulate
```
              no     yes
            -1.000   1.000    TOTAL ridicule in evidence
            --------------------
  -1.000       3      12       15 no
   1.000       5       2        7 yes
            --------------------
 TOTAL         8      14       22
l = 5.453; df = 1; p = 0.020
```

[145] earth diver stated or implied to have ended Flood
```
              no     yes
            -1.000   1.000    TOTAL Flood hero stated or implied to repopulate
            --------------------
  -1.000      22       4       26 no
   1.000      35       0       35 yes
            --------------------
 TOTAL        57       4       61
l = 7.204; df = 1; p = 0.007
```

[146] Flood hero stated or implied to direct earth diver
```
              no     yes
            -1.000   1.000    TOTAL Flood hero stated or implied to repopulate
            --------------------
  -1.000      22       4       26 no
   1.000      35       0       35 yes
            --------------------
 TOTAL        57       4       61
l = 7.204; df = 1; p = 0.007
```

One can take the distribution area of the Earth Diver, as reproduced by Villems, as just another indication of the geographical distribution of the postulated, original system of the cosmological transformative cycle.
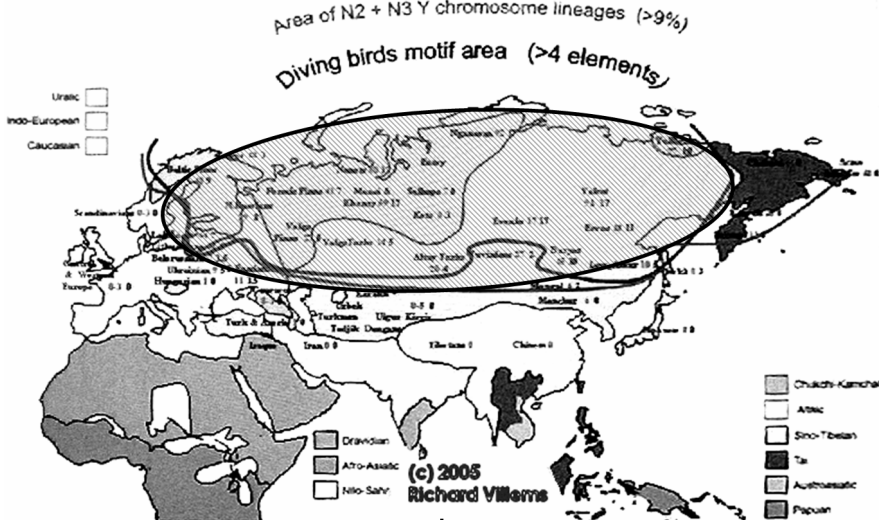
Fig. 1. Richard Villem's (2005) correlation (hatched oval as added by me – WvB) of the diving birds motif core area (> 4 part motifs) with the area of N2 + N3 Y chromosome lineages

1.2.12.5. Incest in Flood myths

1.2.12.5.1. The Flood caused by the discovery of sexuality?

In some Flood myths, notably from Oceania (and also according to a Talmudic tradition as applied to the paradise myth in Genesis) the discovery of sexuality (notably brother-sister incest) was the direct occasion for the end of paradise, in other words for the Flood.

1.2.12.5.2. Statistically significant associations of 'incest in evidence'

There is a statistically significant, positive association 'incest in evidence' / 'motif of the two children in evidence' [147]

There is a statistically significant, positive association 'incest in evidence' / 'Flood rescue device stated or implied to be natural', [148]

---

[147]
```
incest in evidence
          no      yes
        -1.000   1.000    TOTAL two children in evidence
        --------------------
 -1.000    61       1      62 no
  1.000    14       3      17 yes
        --------------------
 TOTAL     75       4      79
l = 5.577; df = 1; p = 0.018
```

There is a statistically significant, positive association 'incest in evidence' / 'multiple Flood heroes in evidence who are siblings'[149]

There is a statistically significant, positive association 'Flood hero stated or implied to repopulate after the Flood' / 'incest in evidence'[150]

There is a statistically significant, **negative** association 'incest in evidence' / 're-connection between Heaven and Earth stated or implied to be man-made':[151]

1.2.12.5.3. Statistically significant associations of sibling incest in Flood myths

There is a statistically significant, positive association 'sibling incest in evidence' / 'motif of the two children in evidence' [152] [*If the Two Children are identical to Heaven and Earth, and if incest is their game, then the chain / celestial axis is in the first place the penis of Geb (not Shu, that is the father), which units Heaven and Earth. The Two Children's sibling incest is also, in its own right, a re-connection of Heaven and Earth. In Egyptian mythology this theme of the Two Children has no longer the connotations of a Flood myth (although it could be read as a detectable transformation of one, work out). But we must be prudent on this point: once turned into narrative, the incest motif is capable of detaching itself from Heaven and Earth, and of taking on a life of its own.*]

---

[148] incest in evidence
```
              no       yes
           -1.000     1.000      TOTAL Flood rescue device stated or implied to be natural
           --------------------
   -1.000      68         2       70 no
    1.000       7         2        9 yes
           --------------------
 TOTAL         75         4       79
l = 3.961; df = 1; p = 0.047
```

[149] incest in evidence
```
              no       yes
           -1.000     1.000       TOTAL multiple Flood heroes in evidence who are stated or implied to
be siblings
           --------------------
   -1.000      20         0       20 no
    1.000      14         3       17 yes
           --------------------
 TOTAL         34         3       37
l = 4.980; df = 1; p = 0.026
```

[150] Flood hero stated or implied to repopulate
```
              no       yes
           -1.000     1.000      TOTAL incest in evidence
           --------------------
   -1.000      26        31       57 no
    1.000       0         4        4 yes
           --------------------
 TOTAL         26        35       61
l = 4.652; df = 1; p = 0.031
```

[151] incest in evidence
```
              no       yes
           -1.000     1.000      TOTAL Flood rescue device stated or implied to be man-made
           --------------------
   -1.000      41         4       45 no
    1.000      34         0       34 yes
           --------------------
 TOTAL         75         4       79
l = 4.663; df = 1; p = 0.031
```

[152] sibling incest in evidence
```
              no       yes
           -1.000     1.000      TOTAL two children in evidence
           --------------------
   -1.000      62         0       62 no
    1.000      14         3       17 yes
           --------------------
 TOTAL         76         3       79
l = 9.666; df = 1; p = 0.002
```

1.2.13. The earth diver

A Flood motif that is common in North-eastern Asia and in the New World but not generally known in Europe, is that of the earth diver (NarCom 26: 'The Earth diver'). This is a rodent-like creature that obviously survives the Flood, and that terminates the Flood by diving up a clod of earth, which becomes dry land again by blowing (*cf.* the Spirit which hovers over the waters in Genesis 1, and which is blown into the clay doll in Genesis 2: 7;[153] but also *cf.* the birds[154] which – as if they were transformed earth divers – are sent out by Noaḥ (Genesis 8: 6-12) in order to ascertain if the earth has already fallen dry). The earth diver appears to be a narrative personification of the emergence of Land from the Primal Waters.

If this is correct, the earth diver appears to be an ancient and independent mythical motif, whose appearance in Flood stories is due to the fact that Flood stories, as a dominant and popular genre, have absorbed other Narrative Complexes and pressed them into service. When there is a personal Flood hero, earth diver generally appears as subservient to that Flood hero – it is then on the latter's command that the earth diver brings up the clod of earth. More seems to be involved here than the subordinate joining of mythical motifs. A process can be observed in the course of which animals are supplanted by humans as the protagonists in cosmogonic stories including Flood myths: originally acting as an agent in his own right (as a theriamorphic – animal-shaped – condensation of the emergence of Land from the Primal Waters), in a narrative context where animals are self-evidently assumed to have been the first conscious beings (the original totems?), a new concept of humankind and agency (which I tend to situated in Neolithic or Bronze Age times, but more reflection is need on this point) makes humankind assert itself as master of the creation (*cf.* Genesis 2).

Fig. 2. Bill Reid, 'Raven meets the first humans' (commissioned by, and now on display at, the Museum of Anthropology, University of British Columbia, Vancouver)

---

[153] These two verses, *inter alia*, suggest that the whole of Genesis 1-12, and not just the chapters 6-10, may be read as one elaborate Flood myth.

[154] First a raven, then a dove (Genesis 8:7 f.). A Talmudic story relates how the Raven accuses Noah of coveting Mrs Raven sexually and therefore (foreshadowing King David's treatment of his general Uriah) tries to send her husband to his death. Note the prominence of Raven as a trickster in North-West Coast Native American mythology. The affinity with Flood stories is *e.g.* brought out by the famous sculpture by the Haida-European sculptor Bill Reid, 'Raven meets the first humans' (commissioned by, and now on display at, the Museum of Anthropology, University of British Columbia, Vancouver) (Fig. 4).

By the same token there is a statistically significant association between animal survival and blowing being in evidence in the Flood story:

1.2.13.1. Statistically significant associations of 'earth diver in evidence'

There is a statistically significant association between NarCom 26: 'The Earth diver' [in evidence] and 'world region'[155][156]

There is a statistically significant, positive association 'combat in evidence' and 'earth diver in evidence' [157] [Yes, very well to be understood from the cosmological transformative cycle, but much depends on the strategic introduction of that idea. Let me first confront the reader with the apparent absurdity of such relationships.]

There is a statistically significant, positive association 'human trickster-demiurge in evidence', and 'earth diver in evidence'[158]

There is a statistically significant, positive association 'earth diver in evidence' / 'first conscious beings stated or implied to be animals'[159] - [*NOT implication: the earth diver is an animal itself but need not have been among the 'first conscious beings'*]

---

[155] Since N=79 and therefore cell values tend to be small, it is in general unadvisable to break the data down for the entire 12 (sub-)continents that it would be meaningful to distinguish from a point of view of comparative mythology: Australia, Europe, Meso America, North America North and East Asia, the Near East, New Guinea, the Pacific, South America, South Asia, South East Asia, and sub-Saharan Africa. [**adjust order**] . Such a twelve fold division is given by the variable Continent. A more aggregated division is given by the variable Aggregated Continent, where various significant regions are combined to leave six divisions that are still meaningful from a point of view of comparative: Australia with New Guinea; North America with North and East Asia; Africa with Europe and with West and South Asia; leaving Meso America, South America and South East Asia as before.

[156] earth diver in evidence (= NarCom XXX)against world regions:

```
        world regions
        Australia   Meso      North      South   South East  West and
        & Nw Guin  America   America    America     Asia     South of
                             & East Asia                     Old World   TOTAL earth diver
                                                                               in evidence
        ------------------------------------------------------------
  -1.000      6         8        22        10         14         14      74 no
   1.000      0         0         5         0          0          0       5 yes
        ------------------------------------------------------------
 TOTAL        6         8        27        10         14         14      79
l = 11.402; df = 5; p = 0.044
```

[157] combat in evidence
```
             no      yes
           -1.000   1.000     TOTAL earth diver in evidence
          --------------------
  -1.000     48       26      74 no
   1.000      0        5       5 yes
          --------------------
 TOTAL       48       31      79
l = 9.885; df = 1; p = 0.002
```

[158] human trickster-demiurge in evidence
```
             no      yes
           -1.000   1.000     TOTAL earth diver in evidence
          --------------------
  -1.000     64       10      74 no
   1.000      2        3       5 yes
          --------------------
 TOTAL       66       13      79
l = 5.307; df = 1; p = 0.021
```

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to be that by virtue of knowledge'[160]

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood' and 'earth diver in evidence':[161]

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to be that by virtue of knowledge'[162]

There is a statistically significant, positive association earth diver in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual' [163]

1.2.13.2. Statistically significant associations of the rodent being in evidence

There is a statistically significant, positive association 'rodent in evidence' and 'combat in evidence':[164]   [*understandable : only if both variables are seen as representations of the cosmological transformative cycle*

---

[159] earth diver in evidence
```
             no      yes
           -1.000   1.000     TOTAL first conscious beings stated or implied to be animals
           --------------------
   -1.000     53       1        54 no
    1.000      3       2         5 yes
           --------------------
 TOTAL        56       3        59
l = 7.029; df = 1; p = 0.008
```

[160] earth diver in evidence
```
             no      yes
           -1.000   1.000     TOTAL Flood hero stated or implied to be that by virtue of
                                    knowledge
           --------------------
   -1.000     64       2        66 no
    1.000     10       3        13 yes
           --------------------
 TOTAL        74       5        79
l = 5.307; df = 1; p = 0.021
```

[161] human agency stated or implied to have caused Flood
```
             no      yes
           -1.000   1.000     TOTAL earth diver in evidence
           --------------------
   -1.000     48      26        74 no
    1.000      5       0         5 yes
           --------------------
 TOTAL        53      26        79
l = 4.155; df = 1; p = 0.041
```

[162] earth diver in evidence
```
             no      yes
           -1.000   1.000     TOTAL Flood hero stated or implied to be that by virtue of knowledge
           --------------------
   -1.000     64       2        66 no
    1.000     10       3        13 yes
           --------------------
 TOTAL        74       5        79
l = 5.307; df = 1; p = 0.021
```

[163] earth diver in evidence
```
             no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
           --------------------
   -1.000     21       0        21 no
    1.000     10       2        12 yes
           --------------------
 TOTAL        31       2        33
l = 4.276; df = 1; p = 0.039
```

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood' / 'rodent in evidence':[165] [*yes, for agency is a totally new concept, probably from the Neolithic, it has absolutely nothing to do with the cosmic transformative cycle*]

1.2.13.3. Statistically significant associations of earth diver being stated or implied to have ended the Flood

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver stated or implied to have ended the Flood'[166] [*Therefore, combat is to be conceived not as a struggle between humans and not as a theme from Pandora's Box, but only as the idea of transformation between phases that necessarily and systematically supplant each other in a cyclical process (and even so I doubt whether it was already in Pandora's Box) ; Earth diver: as transformation of combat / adversary ? directing earth diver = winning combat? ; transformative cycle*]

There is a statistically significant, negative association 'earth diver stated or implied to have ended the Flood' / 'Flood hero stated or implied to repopulate' :[167] [*if the earth diver is in evidence (in other words, as a remnant of the original transformative cycle), then the Flood hero is not occupied with repopulation for repopulation has nothing to do with it; what is IT*] *and is only a much later rationalisation*]

also in the table immediately above very low p values, partly through implication?

---

[164] combat in evidence
```
              no    yes
           -1.000  1.000     TOTAL rodent in evidence
           --------------------
   -1.000     46     24        70 no
    1.000      2      7         9 yes
           --------------------
 TOTAL        48     31        79
l = 6.288; df = 1; p = 0.012
```

[165] human agency stated or implied to have caused Flood
```
              no          yes
           -1.000      1.000     TOTAL rodent in evidence
           --------------------
   -1.000     44         26        70  no
    1.000      9          0         9  yes
           --------------------
 TOTAL        53         26        79
l = 7.741; df = 1; p = 0.005
```

[166] combat between Flood hero and Flood causer in evidence
```
              no    yes
           -1.000  1.000     TOTAL earth diver stated or implied to have ended Flood
           --------------------
   -1.000     24      3        27 no
    1.000      1      3         4 yes
           --------------------
 TOTAL        25      6        31
l = 7.127; df = 1; p = 0.008
```

[167] earth diver stated or implied to have ended Flood
```
              no    yes
           -1.000  1.000     TOTAL Flood hero stated or implied to repopulate
           --------------------
   -1.000     22      4        26 no
    1.000     35      0        35 yes
           --------------------
 TOTAL        57      4        61
l = 7.204; df = 1; p = 0.007
```

1.2.13.4. Statistically significant associations of the Flood hero being stated or implied to direct the earth diver

statistically significant associations of 'Flood hero stated or implied to direct earth diver'

There is a statistically significant, positive association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to direct earth diver' [168] [the trickster which has become human and which directs the earth diver (≈ bird): here we capture the metamorphosis (*cf.* Ovid!) of the transformative cycle into a Flood myth

There is a statistically significant, positive association: 'Flood hero stated or implied to direct earth diver' / 'rank in evidence'.[169]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver', and 'combat in evidence':[170] t [yes, that is clear by now, thank you!

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'combat between Flood hero and Flood causer in evidence' [171]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to be that by virtue of knowledge':[172] [yes, that is clear by now, thank you!; but probably wrongly coded by me in data entry]

---

[168] trickster-demiurge stated or implied to be human
```
              no      yes
            -1.000   1.000      TOTAL Flood hero stated or implied to direct earth diver
            --------------------
  -1.000      65       10        75 no
   1.000       1        3         4 yes
            --------------------
 TOTAL        66       13        79
l = 7.250; df = 1; p = 0.007
```

[169] Flood hero stated or implied to direct earth diver
```
              no      yes
            -1.000   1.000      TOTAL rank in evidence
            --------------------
  -1.000      56        1        57 no
   1.000      19        3        22 yes
            --------------------
 TOTAL        75        4        79
l = 4.065; df = 1; p = 0.044
```

[170] combat in evidence
```
              no      yes
            -1.000   1.000      TOTAL Flood hero stated or implied to direct earth diver
            --------------------
  -1.000      48       27        75 no
   1.000       0        4         4 yes
            --------------------
 TOTAL        48       31        79
l = 7.818; df = 1; p = 0.005
```

[171] combat between Flood hero and Flood causer in evidence
```
              no      yes
            -1.000   1.000      TOTAL Flood hero stated or implied to direct earth diver
            --------------------
  -1.000      24        3        27 no
   1.000       1        3         4 yes
            --------------------
 TOTAL        25        6        31
l = 7.127; df = 1; p = 0.008
```

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'Flood hero stated or implied to have directed the earth diver' [173]

There is a statistically significant, positive association: 'Flood hero stated or implied to direct earth diver' / 'a human stated or implied to have saved the animals':[174] [again the later re-forging of the original transformative cycle]

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to direct earth diver'[175]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'rodent in evidence' [176]

There is a statistically significant, positive association 'earth diver stated or implied to end the Flood' / 'Flood hero stated or implied to direct earth diver'[177]

```
172 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of knowledge
          --------------------
  -1.000    65       1       66 no
   1.000    10       3       13 yes
          --------------------
 TOTAL      75       4       79
l = 7.250; df = 1; p = 0.007


173 animals stated or implied to survive Flood
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000    46      29       75 no
   1.000     0       4        4 yes
          --------------------
 TOTAL      46      33       79
l = 7.283; df = 1; p = 0.007


174 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL human stated or implied to have saved animals
          --------------------
  -1.000    64       1       65 no
   1.000    11       3       14 yes
          --------------------
 TOTAL      75       4       79
l = 6.778; df = 1; p = 0.009


175 earth diver in evidence
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000    74       1       75 no
   1.000     0       4        4 yes
          --------------------
 TOTAL      74       5       79
l = 26.655; df = 1; p = 0.000


176 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL rodent in evidence
          --------------------
  -1.000    69       1       70 no
   1.000     6       3        9 yes
          --------------------
 TOTAL      75       4       79
l = 9.719; df = 1; p = 0.002
```

There is a statistically significant, negative association: 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to repopulate':[178]

again, as usual, very high levels of significance around the earth diver

1.2.13.5. Further statistically significant associations of blowing

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'blowing in evidence'[179]

Since the clot which the earth diver has brought up, usually needs to be blown upon in order to dry, the motif of the earth driver is closely associated with that of the Narrative Complex 7 'From the Mouth / Blowing in evidence'. The latter motif also displays the same geographical association as that of the earth diver.

There is a statistically significant, positive association 'blowing in evidence', and 'Flood hero stated or implied to be trickster-demiurge'[180]

1.2.13.6. Further details of earth diver and birds sent out, miscellaneous

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood causer stated or implied to be a god' [181] [*the bird is also some sort of demiurge, a connection between Heaven and Earth; = warning ; NB: warning is an example of a connection between Heaven and Earth*] ; *and even a god*]

```
177 earth diver stated or implied to have ended Flood
              no     yes
            -1.000   1.000     TOTAL Flood hero stated or implied to direct earth diver
            --------------------
   -1.000     75       0        75 no
    1.000      0       4         4 yes
            --------------------
 TOTAL        75       4        79
l = 31.659; df = 1; p = 0.000

178 Flood hero stated or implied to direct earth diver
              no     yes
            -1.000   1.000     TOTAL Flood hero stated or implied to repopulate
            --------------------
   -1.000     22       4        26 no
    1.000     35       0        35 yes
            --------------------
 TOTAL        57       4        61
l = 7.204; df = 1; p = 0.007

179 animals stated or implied to survive Flood
              no     yes
            -1.000   1.000     TOTAL  blowing in evidence
            --------------------
   -1.000     45      28        73 no
    1.000      1       5         6 yes
            --------------------
 TOTAL        46      33        79
l = 4.758; df = 1; p = 0.029

180 blowing in evidence
              no     yes
            -1.000   1.000     TOTAL Flood hero stated or implied to be trickster-demiurge
            --------------------
   -1.000     57       2        59 no
    1.000      7       3        10 yes
            --------------------
 TOTAL        64       5        69
l = 6.189; df = 1; p = 0.013
```

1.2. Statistically significant associations of Flood heroes, conditions and aftermath

1.2.1. 'Flood hero in evidence'

\# There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence' and 'Flood hero in evidence'[182]

\# There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'warning stated or implied to be made by the Flood causer' [183]

1.2.1.1. Statistically significant associations of 'Flood hero being stated or implied to be human'

\# There is a statistically significant, **negative** association 'first conscious beings stated or implied to be animals' / 'Flood hero stated or implied to have been human':[184] [could be interpreted as by implication, yet it is not obvious that the Flood hero has to belong to the first batch of conscious beings]

---

[181] bird stated or implied to be sent
```
                  no     yes
              -1.000    1.000    TOTAL  causer of Flood stated or implied to be a god
              --------------------
   -1.000       24        0       24 no
    1.000       16        5       21  yes
              --------------------
 TOTAL          40        5       45
l = 8.342; df = 1; p = 0.004
```

[182] some kind of Flood rescue device ('Ark') in evidence
```
              no     yes
           -1.000    1.000    TOTAL Flood hero in evidence
           --------------------
   -1.000      3        0        3 no
    1.000     11       65       76 yes
           --------------------
 TOTAL        14       65       79
l = 10.961; df = 1; p = 0.001
```

[183] partner stated or implied to be killed
```
              no     yes
           -1.000    1.000    TOTAL warning stated or implied to be from Flood causer
           --------------------
   -1.000     14        0       14 no
    1.000      8        3       11 yes
           --------------------
 TOTAL        22        3       25
l = 5.455; df = 1; p = 0.020
```

[184] first conscious beings stated or implied to be animals
```
               no   yes
            -1.000    1.000    TOTAL Flood hero stated or implied to be human
            --------------------
   -1.000       7        4       11 no
    1.000      42        1       43 yes
            --------------------
 TOTAL         49        5       54
l = 9.398; df = 1; p = 0.002
```

There is a statistically significant, **negative** association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to have been human'[185] -

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood hero stated or implied to have been human' [186]

There is a statistically significant, positive association 'Flood hero stated or implied to have been human' / 'sacrifice in evidence'[187]

1.2.2. On what grounds does the Flood hero qualify to be just that?

1.2.2.1. Statistically significant associations of the Flood hero being stated or implied to qualify as such by virtue of special knowledge

There is a statistically significant, positive association 'Flood hero stated or implied to be that by virtue of knowledge' / 'the motif of the Separation of Land and Water in evidence'[188] [an advanced stage of transcendentalisation]

There is a statistically significant, negative association 'Flood hero stated or implied to have been human' / 'Flood hero stated or implied to be that by virtue of knowledge'[189] [difficult to understand,

---

[185] human trickster-demiurge in evidence
```
             no      yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be human
           --------------------
  -1.000      11       6       17 no
   1.000      46       6       52 yes
           --------------------
 TOTAL        57      12       69
l = 4.493; df = 1; p = 0.034
```

[186] bird stated or implied to be sent
```
             no      yes
           -1.000   1.000    TOTAL   Flood hero stated or implied to be human
           --------------------
  -1.000      17       0       17    no
   1.000      45       7       52    yes
           --------------------
 TOTAL        62       7       69
l = 4.212; df = 1; p = 0.040
```

[187] Flood hero stated or implied to be human
```
             no      yes
           -1.000   1.000    TOTAL sacrifice in evidence
           --------------------
  -1.000      17      44       61 no
   1.000       0       8        8 yes
           --------------------
 TOTAL        17      52       69
l = 4.859; df = 1; p = 0.027
```

[188] Flood hero stated or implied to be that by virtue of knowledge:
```
             no      yes
           -1.000   1.000    TOTAL separation of the waters in evidence
           --------------------
  -1.000       5       0        5 no
   1.000       8       6       14 yes
           --------------------
 TOTAL        13       6       19
l = 4.577; df = 1; p = 0.032
```

unless knowledge is magical knowledge whereas what qualified for Flood heroism in the context of the Standard Elaborate Flood story is morality]

There is a statistically significant, negative association 'Flood hero stated or implied to be that by virtue of knowledge' / 'Flood hero stated or implied to be that by virtue of his morality':[190]

There is a statistically significant, negative association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero is stated or implied to be that by virtue of knowledge' :[191] [again: knowledge as something that defies transcendence and pious subservience – almost as if knowledge is truly an attribute of the Serpent; *cf.* Genesis 3:1: 'Now the serpent was more subtil than any beast of the field which the LORD God had made. And he said unto the woman, Yea, hath God said, Ye shall not eat of every tree of the garden?']

1.2.2.2. Statistically significant associations of the Flood hero being stated or implied to qualify as such through high socio-political rank

There is a statistically significant, positive association 'Flood hero stated or implied to be through by virtue of rank' / 'warning in evidence' [192]

---

[189] Flood hero stated or implied to be human
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by
                                     virtue of knowledge
            ---------------------
  -1.000      11       46       57 no
   1.000       6        6       12 yes
            ---------------------
 TOTAL        17       52       69
l = 4.493; df = 1; p = 0.034
```

[190] Flood hero stated or implied to be that by virtue of knowledge:
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by
                                     virtue of morality
            ---------------------
  -1.000      55       13       68 no
   1.000      11        0       11 yes
            ---------------------
 TOTAL        66       13       79
l = 4.292; df = 1; p = 0.038
```

[191] Flood hero stated or implied to be ally of Flood causer:
```
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by
                                     virtue of knowledge
            ---------------------
  -1.000      15       17       32 no
   1.000       7        1        8 yes
            ---------------------
 TOTAL        22       18       40
l = 4.786; df = 1; p = 0.029
```

[192] Flood hero stated or implied to be that by virtue of rank
```
              no      yes
            -1.000   1.000    TOTAL warning in evidence )
            ---------------------
  -1.000      49        3       52 no
   1.000      21        6       27 yes
            ---------------------
 TOTAL        70        9       79
l = 4.490; df = 1; p = 0.034
```

1.2.2.3. Statistically significant associations of 'Flood hero stated or implied to be that by virtue of agency'

There is a statistically significant, positive association 'the Flood hero stated or implied to be that by virtue of agency' / 'Flood hero stated or implied to be that by virtue of his morality',[193] [*morality = agency*]

1.2.2.4. Statistically significant associations of 'Flood hero stated or implied to be that by virtue of morality'

There is a statistically significant, **negative** association 'Flood hero stated or implied to be that by virtue of morality' / 'the motif of the Separation of Land and Water in evidence':[194] [puzzling for emphasis on morality seems so central to the Standard Elaborate Flood story]

There is a statistically significant, positive association 'duration of the Flood stated or implied' / 'Flood hero stated or implied to be that by virtue of his morality'[195] [puzzling, perhaps *numerical rationality aspect of recent transcendence: numbers are transcendent I doubt whether this should be by implication*]

There is a statistically significant, positive association 'Flood hero stated or implied to be that by virtue of his morality' / 'causer of Flood stated or implied to be a god'[196]

---

[193] Flood hero stated or implied to be that by virtue of agency
```
              no      yes
           -1.000   1.000     TOTAL  Flood hero stated or implied to be that by virtue
                                            of morality
           --------------------
  -1.000      65        3        68  no
   1.000       0       11        11  yes
           --------------------
 TOTAL        65       14        79
l = 49.218; df = 1; p = 0.000
```

[194] Flood hero stated or implied to be that by virtue of morality:
```
              no      yes
           -1.000   1.000     TOTAL  separation of the waters in evidence
           --------------------
  -1.000       3        2         5  no
   1.000      14        0        14  yes
           --------------------
 TOTAL        17        2        19
l = 6.057; df = 1; p = 0.014
```

[195] duration Flood stated or implied
```
              no      yes
           -1.000   1.000     TOTAL  Flood hero stated or implied to be that by virtue
                                            of  morality
           --------------------
  -1.000      56       12        68  no
   1.000       4        7        11  yes
           --------------------
 TOTAL        60       19        79
l = 9.366; df = 1; p = 0.002
```

[196] Flood hero stated or implied to be that by virtue of morality:
```
              no      yes
           -1.000   1.000     TOTAL  causer of Flood stated or implied to be a god
           --------------------
  -1.000      23        1        24  no
   1.000      16        5        21  yes
           --------------------
 TOTAL        39        6        45
l = 3.974; df = 1; p = 0.046
```

There is a statistically significant, negative association 'Flood hero stated or implied to be that by virtue of knowledge' / 'Flood hero stated or implied to be that by virtue of his morality':[197] [knowledge is immanentalist, the ability to sustain and benefit from the transformative cycle; morality is transcendentalist, to rely not on the order of nature (=transformative cycle) but on the Supreme God]

There is a statistically significant, positive association 'the Flood hero stated or implied to be that by virtue of agency' / 'Flood hero stated or implied to be that by virtue of his morality',[198] [*agency ≈ morality but ≠ knowledge; there is an element of implication but not totally so*]

1.2.2.5. Statistically significant associations of 'human agency stated or implied to have caused Flood

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood', and 'Flood hero stated or implied to survive the Flood' :[199]

There is a statistically significant, positive association 'human agency stated or implied to have caused Flood' and 'Flood hero's partner stated or implied to have been killed[200] [*here narrative imagination takes over from and supplants the transformative cycle*

---

[197] Flood hero stated or implied to be that by virtue of knowledge:
```
              no      yes
            -1.000   1.000     TOTAL Flood hero stated or implied to be that by virtue
                                        of morality
            --------------------
   -1.000     55       13         68 no
    1.000     11        0         11 yes
            --------------------
 TOTAL        66       13         79
l = 4.292; df = 1; p = 0.038
```

[198] Flood hero stated or implied to be that by virtue of agency
```
              no      yes
            -1.000   1.000     TOTAL Flood hero stated or implied to be that by virtue
                                        of morality
            --------------------
   -1.000     65        3         68 no
    1.000      0       11         11 yes
            --------------------
 TOTAL        65       14         79
l = 49.218; df = 1; p = 0.000
```

[199] human agency stated or implied to have caused Flood
```
              no      yes
            -1.000   1.000     TOTAL Flood hero stated or implied to survive Flood
            --------------------
   -1.000      2        7          9 no
    1.000     37       13         50 yes
            --------------------
 TOTAL        39       20         59
l = 8.722; df = 1; p = 0.003
```

[200] human agency stated or implied to have caused Flood
```
              no      yes
            -1.000   1.000     TOTAL partner stated or implied to be killed
            --------------------
   -1.000     52       21         73 no
    1.000      1        5          6 yes
            --------------------
 TOTAL        53       26         79
l = 7.086; df = 1; p = 0.008
```

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood' and 'earth diver in evidence':[201] [the Flood is nobody's fault, but calls forth the archaic earth diver; does this simply mean: while En-1 (= Water) tries to produce En (= Land, the earth diver's product), the process at first runs havoc so that En-1 goes out of control and totally takes over, but subsequently that imbalance is regulated again and En is produced at last; but where does earth diver then come from?]

There is a statistically significant, **negative** association 'human agency stated or implied to have caused Flood' / 'rodent in evidence':[202] [this is the dynamics of the transformative cycle narrative conceived as agency; the rodent expressed a version of the transformative cycle in some version that has been transformed in a different way ; what does the rodent (earth diver) have to do with agency?]

1.2.2.6. Statistically significant associations of 'the notion of sin' being in evidence

There is a statistically significant, **negative** association 'animal trickster-demiurge in evidence' and 'notion of sin in evidence':[203]

There is a statistically significant, **negative** association 'shape-shifting in evidence' / 'notion of sin in evidence'[204]

There is a statistically significant, positive association 'notion of sin in evidence' / 'causer of Flood stated or implied to be a god'[205]

```
201 human agency stated or implied to have caused Flood
               no       yes
            -1.000    1.000      TOTAL earth diver in evidence
            --------------------
   -1.000      48       26         74  no
    1.000       5        0          5  yes
            --------------------
 TOTAL         53       26         79
l = 4.155; df = 1; p = 0.041

202 human agency stated or implied to have caused Flood
               no       yes
            -1.000    1.000      TOTAL rodent in evidence
            --------------------
   -1.000      44       26         70  no
    1.000       9        0          9  yes
            --------------------
 TOTAL         53       26         79
l = 7.741; df = 1; p = 0.005

203 animal trickster-demiurge in evidence
               no       yes
            -1.000    1.000      TOTAL sin in evidence
            --------------------
   -1.000      54       11         65  no
    1.000      14        0         14  yes
            --------------------
 TOTAL         68       11         79
l = 4.660; df = 1; p = 0.031

204 shape-shifting in evidence
               no       yes
            -1.000    1.000      TOTAL sin in evidence
            --------------------
   -1.000      55       10         65  no
    1.000      14        0         14  yes
            --------------------
 TOTAL         69       10         79
l = 4.202; df = 1; p = 0.040
```

There is a statistically significant, **negative** association 'multiple Flood heroes are in evidence who are siblings' / 'notion of sin in evidence' :[206]   [here the multiple Flood heroes are placed in a close association with sin.]

This is remarkable. In what sense could sin be a mutation of the transformative cycle? Taboo, a transition from A–B that is not allowed. Or should we go back here to the idea that the multiple heroes are Heaven and Earth, in such a way that the original way lies in their separation?

1.2.3. Does the Flood hero survive the Flood?

1.2.3.1. Statistically significant associations of 'Flood hero stated or implied to survive the Flood'

There is a statistically significant, positive association 'combat in evidence', and 'Flood hero stated or implied to survive the Flood':[207] [this is somewhat puzzling: it reminds us of the fact that the surviving Flood hero is not just an advanced state towards transcendentalism, but is rather intimately connected with the immanentalism of the transformative cycle; perhaps the Flood hero stands for reality, after all]

There is a statistically significant, **negative** association 'the Flood stated or implied to be associated with blood' / 'Flood hero stated or implied to survive the Flood':[208] [*again: blood (with its feminine connotations) = death*]

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood', and 'Flood hero stated or implied to survive the Flood' :[209]

---

[205] sin in evidence
```
              no      yes
            -1.000   1.000    TOTAL causer of Flood stated or implied to be a god
            --------------------
  -1.000      22        2       24 no
   1.000      14        7       21 yes
            --------------------
 TOTAL        36        9       45
l = 4.534; df = 1; p = 0.033
```

[206] multiple Flood heroes in evidence who are stated or implied to be siblings
```
             no    yes
           -1.000  1.000    TOTAL sin in evidence
           --------------------
  -1.000     15      17       32 no
   1.000      5       0        5 yes
           --------------------
 TOTAL       20      17       37
l = 6.813; df = 1; p = 0.009
```

[207] combat in evidence
```
             no   yes
           -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
  -1.000      8      1        9 no
   1.000     27     23       50 yes
           --------------------
 TOTAL       35     24       59
l = 4.455; df = 1; p = 0.035
```

[208] association Flood and blood in evidence
```
             no    yes
           -1.000  1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
  -1.000      6      3        9 no
   1.000     49      1       50 yes
           --------------------
 TOTAL       55      4       59
l = 7.991; df = 1; p = 0.005
```

There is a statistically significant, **negative** association 'the gender stated or implied to have triggered the Flood is female' / 'Flood hero stated or implied to survive the Flood':[210]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to survive the Flood':[211] [if Flood hero is woman then does not survive]

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero stated or implied to survive the Flood' [212]

There is a statistically significant, **negative** association 'Flood hero stated or implied to survive the Flood' / 'ridicule in evidence' [i.e. if there is no ridicule greater tendency to survival] [213]

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence' and 'Flood hero claimed or stated to survive Flood'[214]

---

[209] human agency stated or implied to have caused Flood

```
            no      yes
          -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
          ---------------------
  -1.000     2        7        9 no
   1.000    37       13       50 yes
          ---------------------
 TOTAL      39       20       59
l = 8.722; df = 1; p = 0.003
```

[210] gender stated or implied to have triggered the Flood

```
           male    female
          -1.000   1.000    TOTAL Flood hero stated or implied to survive
                                  Flood
          ---------------------
  -1.000     1        4        5 no
   1.000     7        1        8 yes
          ---------------------
 TOTAL       8        5       13
l = 6.291; df = 1; p = 0.012
```

[211] gender Flood hero stated or implied to be

```
           male    female
          -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
          ---------------------
  -1.000     2        4        6 no
   1.000    25        3       28 yes
          ---------------------
 TOTAL      27        7       34
l = 7.868; df = 1; p = 0.005
```

[212] Flood hero stated or implied to be ally of Flood causer:

```
            no      yes
          -1.000   1.000    TOTAL Flood hero stated or implied to survive Flood
          ---------------------
  -1.000     6        0        6 no
   1.000    12       13       25 yes
          ---------------------
 TOTAL      18       13       31
l = 7.548; df = 1; p = 0.006
```

[213] Flood hero stated or implied to survive Flood

```
            no      yes
          -1.000   1.000    TOTAL ridicule in evidence
          ---------------------
  -1.000     0       14       14 no
   1.000     2        5        7 yes
          ---------------------
 TOTAL       2       19       21
l = 4.833; df = 1; p = 0.028
```

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'Flood hero stated or implied to survive the Flood' [215] [here we are also in the narrative domain far removed from reminiscences of the transformative cycle]

There is a statistically significant, positive association 'Flood hero stated or implied to survive the Flood' / 'Flood rescue device stated or implied to have been man-made' [216]

1.2.4. The number of Flood heroes, and interrelations between them

1.2.4.1. Statistically significant associations of 'multiple Flood heroes are in evidence who constitute a married couple'

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'multiple Flood heroes are in evidence who constitute a married couple' :[217] [one we have a divine Flood causer and all well on the way towards transcendence, the element connotations of the multiple Flood heroes are shed and they simply become a married couple

---

[214] some kind of Flood rescue device ('Ark') in evidence
```
              no      yes
           -1.000    1.000    TOTAL Flood hero stated or implied to survive Flood
           --------------------
  -1.000      6        3        9 no
   1.000      5       45       50 yes
           --------------------
 TOTAL       11       48       59
l = 12.795; df = 1; p = 0.000
```

[215] animals stated or implied to survive Flood
```
              no      yes
           -1.000    1.000    TOTAL   Flood hero stated or implied to survive Flood
           --------------------
  -1.000      9        0        9   no
   1.000     24       26       50   yes
           --------------------
 TOTAL       33       26       59
l = 11.724; df = 1; p = 0.001
```

[216] Flood hero stated or implied to survive Flood
```
              no      yes
           -1.000    1.000    TOTAL Flood rescue device stated or implied to be man-made
           --------------------
  -1.000      8       23       31 no
   1.000      1       27       28 yes
           --------------------
 TOTAL        9       50       59
l = 6.365; df = 1; p = 0.012
```

[217] Flood hero stated or implied to be ally of Flood causer:
```
              no      yes
           -1.000    1.000    TOTAL multiple Flood heroes stated or implied to be married couple
           --------------------
  -1.000     11        4       15 no
   1.000      0        2        2 yes
           --------------------
 TOTAL       11        6       17
l = 4.677; df = 1; p = 0.031
```

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who constitute a married couple' / 'causer of Flood stated or implied to be supernatural'[218]

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who constitute a married couple' / 'post-Flood re-population stated or implied to be through stones'[219] [*this is strange for as a couple they might also reproduce in the standard manner – it indicates that Flood heroes, especially when appearing as a couple, are essentially not to be considered human persons; perhaps the married couple is not so advanced after all; I am inclined to interpret the married couple as the Two Children (elsewhere in these tables I have suggested that these Two Children could be Sun and Moon, but Heaven and Earth seems both more comprehensive and more likely*]

1.2.4.2. Statistically significant associations of 'multiple Flood heroes in evidence who are stated or implied to be each other's siblings'

There is a statistically significant, positive association between 'multiple Flood heroes are in evidence who are siblings' / 'motif of the two children in evidence'[220] [here it turns out that the idea of multiple heroes (as derived from the elements) may mix with the idea of the two children (as an image of Heaven and Earth, or of Sun and Moon, or of Water and Land)]

1.2.5. Gender of the Flood hero(es)

1.2.5.1. Flood myths, menstruation, and the cosmological place of women in general

We are familiar with an entire historical load of negative stereotyping vis-à-vis women (especially such allegedly polluting properties, allegedly impossible to reconcile with the sacred, as are attributed to menstruation, childbed, female genitals). Such stereotyping is so widespread (Judaism, Christianity, Islam, sub-Saharan Africa) that it must have a history of millennia. Even though we do not need to go so far as to postulate that these negative stereotypes go back to Pandora's Box, if seems inevitable that we find the same complex of negative stereotyping back in the context of a mythical complex as old and as widespread as that of Flood myths. This stereotyping must have a cosmological, culture basis. It appears that in the context of the present analysis of Flood myths, we are close to identifying that basis. For Flood myths appear to revolve on the ascendance of male power, but how?

---

[218] multiple Flood heroes stated or implied to be married couple

```
              no      yes
           -1.000   1.000     TOTAL causer of Flood stated or implied to be supreme god
           --------------------
  -1.000      14      0       14 no
   1.000       5      2        7 yes
           --------------------
 TOTAL         19      2       21
l = 4.833; df = 1; p = 0.028
```

[219] multiple Flood heroes stated or implied to be married couple

```
              no      yes
           -1.000   1.000     TOTAL repopulation stated or implied to be through stones
           --------------------
  -1.000      32      3       35 no
   1.000       0      2        2 yes
           --------------------
 TOTAL         32      5       37
l = 8.831; df = 1; p = 0.003
```

[220] multiple Flood heroes in evidence who are stated or implied to be siblings

```
              no    yes
           -1.000   1.000     TOTAL two children in evidence
           --------------------
  -1.000      18      6       24 no
   1.000       2     11       13 yes
           --------------------
 TOTAL         20     17       37
l = 12.895; df = 1; p = 0.000
```

Let us consider a Flood myth among the Tabo people of the interior of Northern Argentina.[221] Here the Flood is called forth by the rainbow snake, which is furious because a menstruating woman has polluted the water by virtue of her state. In a way that suggests an origin in *Pandora's Box*, the same motif is found in Arnhem Land (Northern Australia), and in South Central Africa. In the latter region the motif is concentrated, among other attestations, around the myth of Ruweej / Luwedji.[222] She was queen of her people (throughout this region, extending a few hundred kilometres in either direction from the intersection of the Angola-Congo-Zambia border, the first few generations of rulers were almost invariably women), until with the arrival of a stranger, named Hunter / Chiwinda, the idea was introduced that a menstruating rulers means a pollution for the kingship, and as a result the royal office was henceforth reserved, not longer to women, but to men. This is the main motif of my study *Tears of rain: Ethnicity and history in central western Zambia* (1992). It is tempting to link up this motif with another motif, which the Dutch phenomenologist of religion Sierksma (1917-1977) has description in terms of *the theft of the women's secret*:[223] the postulated emergence, after the Neolithic, of armed men who overthrew female dominance in the fields of reproduction and food production, and who as sign of their supremacy appropriated the female cult symbols. This kind of 'matriarchal' motifs was rather popular in anthropology and comparative mythology until the middle of the 20th century. It is not clear whether such motifs have an empirical, historical ground, or whether (as most specialists would assume today) they merely constitute anti-masculine, women-friendly modern myths in their own right, in the hands of well-intending scholars (*e.g.* Bachofen, Graves, Engels and most recently Gimbutas).

1.2.5.2. Statistically significant associations of which gender the Flood hero stated or implied to have

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to be ally of Flood causer'[224]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' stated or implied to be female' / 'Flood hero stated or implied to survive the Flood':[225]

There is a statistically significant, **negative** association 'animals stated or implied to survive the Flood' / 'gender Flood hero stated or implied to be female':[226]

---

[221] *Cf.* Bierhorst, 1988; with thanks to Isaak 2006.

[222] Turner 1955; Hoover 1980.

[223] Sierksma 1962

[224]
```
gender Flood hero stated or implied to be
          male     female
         -1.000    1.000     TOTAL Flood hero stated or implied to be ally of Flood causer
         --------------------
  -1.000      9        6        15 no
   1.000     12        1        13 yes
         --------------------
 TOTAL       21        7        28
l = 4.249; df = 1; p = 0.039
```

[225]
```
gender Flood hero stated or implied to be
          male     female
         -1.000    1.000     TOTAL Flood hero stated or implied to survive Flood
         --------------------
  -1.000      2        4         6 no
   1.000     25        3        28 yes
         --------------------
 TOTAL       27        7        34
l = 7.868; df = 1; p = 0.005
```

[226]
```
animals stated or implied to survive Flood
          no       yes
         -1.000    1.000     TOTAL gender Flood hero stated or implied to be
         --------------------
  -1.000     12       23        35  male
   1.000      9        1        10  female
         --------------------
 TOTAL       21       24        45
l = 10.678; df = 1; p = 0.001
```

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood rescue device stated or implied to have been man-made' :[227] [as if the female domain is totally incapacitating]

There is a statistically significant, positive association 'gender Flood hero stated or implied to be female ' / 'post-Flood repopulation stated or implied to have been abnormal':[228] [*Why is it that, precisely on this point, the possession of female reproductive organs does not make reproduction self-evidence and unproblematic? Is the Flood a catastrophe of the female organs? Because the idea of a transformative cycle amounts to a denial of female prerogatives in reproduction? Or is the Flood simply a celebration of male dominance?*]

There is a statistically significant, positive association 'gender Flood hero stated or implied to be female' / 'post-Flood repopulation stated or implied to have been a-sexual'[229]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'sacrifice in evidence':[230]

1.2.6. With reference to the time before the Flood, is there any partner / sibling of the Flood hero(es) in evidence ?

1.2.6.1. Statistically significant associations of 'Flood hero's partner stated or implied to be a sibling'

There is a statistically significant, positive association 'plurality of worlds in evidence' / 'Flood hero's partner stated or implied to be a sibling' [231] [plurality of worlds (among other things, a shamanic concept) presupposes the separation of Heaven and Earth – these are relatively advanced themes]

```
227 gender Flood hero stated or implied to be
              male    female
            -1.000    1.000     TOTAL Flood rescue device stated or implied to be man-made
            --------------------
  -1.000      16        8        24 no
   1.000      19        2        21 yes
            --------------------
 TOTAL        35       10        45
l = 3.912; df = 1; p = 0.048

228 gender Flood hero stated or implied to be
              male    female
            -1.000    1.000     TOTAL repopulation stated or implied to be abnormal
            --------------------
  -1.000      10        0        10 no
   1.000       4        4         8 yes
            --------------------
 TOTAL        14        4        18
l = 7.979; df = 1; p = 0.005

229 gender Flood hero stated or implied to be
              male    female
            -1.000    1.000     TOTAL repopulation stated or implied to be a-sexual
            --------------------
  -1.000       7        4        11 no
   1.000       7        0         7 yes
            --------------------
 TOTAL        14        4        18
l = 4.649; df = 1; p = 0.031

230 gender Flood hero stated or implied to be
              male    female
            -1.000    1.000     TOTAL sacrifice in evidence
            --------------------
  -1.000      28       10        38 no
   1.000       7        0         7 yes
            --------------------
 TOTAL        35       10        45
l = 3.872; df = 1; p = 0.049
```

There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'Flood hero's partner stated or implied to be a sibling'[232] [evocation of the transformative cycle ; the partner is not a real partner but the adjacent element in the cycle]

There is a statistically significant, positive association between 'human agency stated or implied to have caused Flood' and 'Flood hero's partner stated or implied to be a sibling[233]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be a sibling' / 're-connection of Heaven and Earth in evidence'[234]   [*528. It looks as if here, after all, lies the key to the interpretation of the 'Flood hero partner is sibling' as Heaven and Earth (Land / Water); but in other aspects of our analysis the interpretation in terms van elements was also rather applicable. ; sibling, twin is a form of reconnection; also think of the Nkoya idea concerning the identity of sister and spouse*]

---

[231] plurality of worlds in evidence
```
            no      yes
          -1.000   1.000     TOTAL partner stated or implied to be sibling
         --------------------
  -1.000     44       6        50 no
   1.000     20       9        29 yes
         --------------------
 TOTAL       64      15        79
l = 4.178; df = 1; p = 0.041
```

[232] fire stated or implied to have caused Flood
```
            no      yes
          -1.000   1.000     TOTAL partner stated or implied to be sibling
         --------------------
  -1.000     49       1        50 no
   1.000     24       5        29 yes
         --------------------
 TOTAL       73       6        79
l = 5.998; df = 1; p = 0.014
```

[233] human agency stated or implied to have caused Flood
```
            no      yes
          -1.000   1.000     TOTAL partner stated or implied to be sibling
         --------------------
  -1.000     38      12        50 no
   1.000     15      14        29 yes
         --------------------
 TOTAL       53      26        79
l = 4.825; df = 1; p = 0.028
```

[234] partner stated or implied to be sibling
```
            no      yes
          -1.000   1.000     TOTAL re-connection in evidence
         --------------------
  -1.000     23       5        28 no
   1.000     27      24        51 yes
         --------------------
 TOTAL       50      29        79
l = 7.067; df = 1; p = 0.008
```

1.2.6.2. Flood hero(es) (attempt to) kill partner / sibling: Statistical associations of 'Flood hero's partner being stated or implied to be killed (or threatened to be killed)

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood hero's partner stated or implied to be a sibling'[235]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood rescue device stated or implied to be natural' [236]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'serpent stated or implied to have caused the Flood' [237] [Is it the Serpent that brings about the separation of Heaven and Earth? And if so, in which capacity:]

- as adversary tout court

- as obsolete principle that, in this ordered world image, can only bring about chaos, in the form of Chaos (Tiamat, Χάως, Apep)

But take care: the Act of Separation of heaven and Earth may be violent, painful and destructive, but it is also the Central Act of Creation! Serpent therefore also appears at the Ultimate Creator, prior to Heaven and Earth. The birdlike Sky god that becomes the Patron of the Flood Hero, is in the first place the bird of pray preying on the serpent as Snake (iconography: eagle holding snake in bill or claws, China and possibly other provenances). Also see: Zimbabwe rock art: snake into Heaven. That would mean that the Rainbow [Serpent] which the Sky god sets in the Sky, as , as a sign of the post-Flood covenant, is in fact (as so often when it comes to hierarchy and control / manipulation of one deity over the other) the subdued Supreme God of an earlier dispensation. But be careful: separating (the Act of Separation) may be violent, painful and destructive, but it is also the Central Act of Creation! Serpent therefore also appears as the Ultimate Creator, prior to Heaven and Earth. [This is another version of my NarCom 'The Earth as Primary' – Earth = Serpent , in this connection] . And when the Serpent is supplanted by the later dispensation featuring Heaven and Earth (after the invention of Heaven, in the context of shamanism and naked-eye astronomy, sometime in the Upper Palaeolithic I used to think until the present analysis threw into relief the relationship between shamanism and agriculture), then the Serpent becomes the primordial, chaotic stuff out of which Heaven and Earth are fashion – the Serpent becomes in itself, not the perpetrator, but the victim, of Creation as an Act of Separating Violent.]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'motif of the two children in evidence'[238]

---

[235] partner stated or implied to be killed
```
              no       yes
           -1.000    1.000     TOTAL partner stated or implied to be sibling
           --------------------
   -1.000      50        0       50 no
    1.000      23        6       29 yes
           --------------------
 TOTAL         73        6       79
l = 12.895; df = 1; p = 0.000
```

[236] partner stated or implied to be killed
```
              no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
   -1.000      67        3       70 no
    1.000       6        3        9 yes
           --------------------
 TOTAL         73        6       79
l = 6.238; df = 1; p = 0.013
```

[237] partner stated or implied to be killed
```
              no       yes
           -1.000    1.000     TOTAL serpent stated or implied to have caused Flood
           --------------------
   -1.000      70        4       74 no
    1.000       3        2        5 yes
           --------------------
 TOTAL         73        6       79
l = 4.613; df = 1; p = 0.032
```

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'warning stated or implied to be made by the Flood causer' [239]

1.2.7. The Flood hero in relation to the Flood causer

1.2.7.1. The Flood hero as ally of the Flood causer: Statistically significant association 'Flood hero stated or implied to be an ally of the Flood causer

Of course, the entire idea of a statistical analysis of Flood myths is based on the idea of their essential and profound comparability. Therefore my Aggregative Diachronic theory of global mythology constitutes a precondition for the present investigation. there is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of the Flood causer' / 'the Flood stated or implied to be caused by serpent':[240] [If the Serpent is pre-[out of Africa] Exodus adversary, then it must have been very considerably transformed before it can have taken on the connotation of ally of the Flood hero; with the Serpent itself, no alliance is possible. Se the preceding notes for the full argument.]

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'the causer of Flood stated or implied to be a supernatural being'[241]

There is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of Flood causer' / 'combat between Flood hero and Flood causer in evidence' [242]-

---

[238] partner stated or implied to be killed
```
            no      yes
          -1.000   1.000    TOTAL two children in evidence
          --------------------
  -1.000    60       2        62 no
   1.000    13       4        17 yes
          --------------------
 TOTAL      73       6        79
l = 6.244; df = 1; p = 0.012
```

[239] partner stated or implied to be killed
```
            no      yes
          -1.000   1.000    TOTAL warning stated or implied to be from Flood causer
          --------------------
  -1.000    14       0        14 no
   1.000     8       3        11 yes
          --------------------
 TOTAL      22       3        25
l = 5.455; df = 1; p = 0.020
```

[240] Flood hero stated or implied to be ally of Flood causer:
```
            no      yes
          -1.000   1.000    TOTAL serpent stated or implied to have caused Flood
          --------------------
  -1.000    17      18        35 no
   1.000     5       0         5 yes
          --------------------
 TOTAL      22      18        40
l = 6.559; df = 1; p = 0.010
```

[241] Flood hero stated or implied to be ally of Flood causer:
```
            no      yes
          -1.000   1.000    TOTAL causer of Flood stated or implied to be supreme god
          --------------------
  -1.000    17       4        21 no
   1.000     4       8        12 yes
          --------------------
 TOTAL      21      12        33
l = 7.535; df = 1; p = 0.006
```

There is a statistically significant, **negative** association 'Flood hero stated or implied to be ally of the Flood causer' / 'Flood hero stated or implied to be that by virtue of knowledge' :[243]

There is a statistically significant, **negative** association 'gender Flood hero stated or implied to be female' / 'Flood hero stated or implied to be ally of Flood causer'[244]

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence', and 'Flood hero said or implied to have a god for ally'[245] [*If the idea of an iterative, repetitive transformative cycle is breached in favour of the idea of a unique cosmoclasm, then one needs a commensurably exceptional great counterforce in order to contain and remedy this otherwise unthinkably devastation disaster. The idea of the High God springs not just from a thought experiment thinking through the separation of Land and Water (that was only a first attempt on my part), but springs particularly also from thinking through the enormous forces that have created, and that subsequently sustain, the world order! Besides, the thinkability of such forces increased and became easier with the increase of the complexity of socio-political realm created by humans, from the Upper Palaeolithic onwards.*

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'post-Flood re-population stated or implied to be through stones'[246]

---

[242] combat between Flood hero and Flood causer in evidence
```
              no     yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
           --------------------
  -1.000      7       5        12 no
   1.000      8       0         8 yes
           --------------------
 TOTAL       15       5        20
l = 6.193; df = 1; p = 0.013
```

[243] Flood hero stated or implied to be ally of Flood causer:
```
              no     yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of knowledge
           --------------------
  -1.000     15      17        32 no
   1.000      7       1         8 yes
           --------------------
 TOTAL       22      18        40
l = 4.786; df = 1; p = 0.029
```

[244] gender Flood hero stated or implied to be
```
             male    female
           -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
           --------------------
  -1.000      9       6        15 no
   1.000     12       1        13 yes
           --------------------
 TOTAL       21       7        28
l = 4.249; df = 1; p = 0.039
```

[245] some kind of Flood rescue device ('Ark') in evidence
```
              no     yes
           -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
           --------------------
  -1.000      6      16        22 no
   1.000      0      18        18 yes
           --------------------
 TOTAL        6      34        40
l = 8.035; df = 1; p = 0.005
```

[246] Flood hero stated or implied to be ally of Flood causer:
```
              no     yes
           -1.000   1.000    TOTAL repopulation stated or implied to be from
                                   stones
           --------------------
  -1.000     22      15        37 no
   1.000      0       3         3 yes
           --------------------
 TOTAL       22      18        40
l = 5.091; df = 1; p = 0.024
```

1.2.7.2. Noaḥ as tⷘe proverbial Flood ⷘero

The biblical account of the Flood (Genesis 6-10) is complemented by Talmudic and Arabian traditions. According to these, the bones of Adam, and / or the animal skins (specifically reported to have been leopard skins) in which he and Eve were clothed after the Fall, were taken into the Ark as powerful relics and magical objects. The entire journey in the Ark fell under a prohibition of sexuality (which refers to the connection, found in Flood myth in many parts of the world, between the Flood and the discovery of sexuality – and also on the transformative cycle as an implicitly male-centred, mysogynic, a-sexual alternative to normal reproduction; but which was later rationalised by reference to the limited space in the Ark, which make procreation undesirable); Nuaḥ's son Ḥam allegedly violated this prohibition, and / or allegedly tried to commit magic with the bones and the skins, and these hideous acts were supposed to have been the true reason for Nuaḥ's curse of Ḥam (especially of the latter's son Canaan) – even though the Bible explains this curse (in what is unmistakably a concealing rationalisation) as resulting from Nuaḥ's hangover after the first-ever drunkenness. [247]

1.2.8. The primal twins as a particular pair of Flood heroes

1.2.8.1. Primal twins in tⷘe context of Flood mytⷘs

A motif that is found in many Flood myths is that of the Primal Twins, who produce (either in paradise, or in the first phase of repopulation after the Flood) other humans and gods; *cf.* the Ancient Egyptian Primal Twins Shu and Tefnut ('Air' and 'Moisture') the first offspring produced by the male primal god Atum through masturbation; and Genesis 2-3, in which – in a typical reversion of the original Water-Land relationship – the woman is produced from the man, and becomes his spouse. This motif is also found in the well-known Grimm fairy tale of Little Brother and Little Sister, in which however the Flood motif is almost completely submerged. [248]

1.2.8.2. Statistically significant associations of Two Cⷘildren being in evidence in tⷘe Flood mytⷘ

There is a statistically significant, positive association 'shape-shifting in evidence' / 'motif of the two children in evidence' [249] [*puzzling: if we agree that shape-shifting refers to the transformative cycle then we cannot accommodate the Two Children. The association of shape-shifting with the demiurge and with sea gods such as Proteus suggests also a connection with the Mother of the Waters hence the Cosmogony of the Separation of Water and Land, and in that case the Two Children might be, not so much Heaven and Earth (with which I have identified them elsewhere in this list), but the cosmogonically analogous Water and Land*]

There is a statistically significant, positive association 'motif of the two children in evidence' / 'combat in evidence' [250] [again: combat is not just the transformative cycle and nothing more, otherwise it would not be associated with the Two Children]

---

[247] See especially: Heller 1993.

[248] *Cf.* Grimm, *o.c.*, no. 11: 'Brüderchen und Schwesterchen'.

[249]
```
      shape-shifting in evidence
                no      yes
              -1.000   1.000    TOTAL two children in evidence
              --------------------
   -1.000       57        5       62 no
    1.000       12        5       17 yes
              --------------------
 TOTAL          69       10       79
l = 4.655; df = 1; p = 0.031
```

[250]
```
      combat in evidence
                no      yes
              -1.000   1.000    TOTAL two children in evidence
              --------------------
   -1.000       42       20       62 no
    1.000        6       11       17 yes
              --------------------
 TOTAL          48       31       79
l = 5.785; df = 1; p = 0.016
```

There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'motif of the two children in evidence'[251]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'motif of the two children in evidence'[252]

There is a statistically significant, positive association 'hanging in evidence' / 'motif of the two children in evidence'[253] [*Heaven and Earth*]

There is a statistically significant, positive association between 'multiple Flood heroes are in evidence who are siblings' / 'motif of the two children in evidence'[254] [*Heaven and Earth, of Water and Land, rather than elements or the two luminaries*]

There is a statistically significant, positive association 're-connection of Heaven and Earth in evidence' / 'the motif of the two children in evidence' [255] [*Two Children as reconnection*]

---

[251] fire stated or implied to have caused Flood
```
             no      yes
           -1.000   1.000    TOTAL two children in evidence
           --------------------
  -1.000     60       2        62 no
   1.000     13       4        17 yes
           --------------------
 TOTAL       73       6        79
l = 6.244; df = 1; p = 0.012
```

[252] partner stated or implied to be killed
```
             no      yes
           -1.000   1.000    TOTAL two children in evidence
           --------------------
  -1.000     60       2        62 no
   1.000     13       4        17 yes
           --------------------
 TOTAL       73       6        79
l = 6.244; df = 1; p = 0.012
```

[253] hanging in evidence
```
             no      yes
           -1.000   1.000    TOTAL two children in evidence
           --------------------
  -1.000     59       3        62 no
   1.000     10       7        17 yes
           --------------------
 TOTAL       69      10        79
l = 12.956; df = 1; p = 0.000
```

[254] multiple Flood heroes in evidence who are stated or implied to be siblings
```
             no   yes
           -1.000   1.000    TOTAL two children in evidence
           --------------------
  -1.000     18       6        24 no
   1.000      2      11        13 yes
           --------------------
 TOTAL       20      17        37
l = 12.895; df = 1; p = 0.000
```

[255] re-connection in evidence
```
             no   yes
           -1.000   1.000    TOTAL two children in evidence
           --------------------
  -1.000     27      35        62 no
   1.000      1      16        17 yes
           --------------------
 TOTAL       28      51        79
l = 10.202; df = 1; p = 0.001
```

There is a statistically significant, negative association 'motif of the two children in evidence' / 'Flood rescue device stated or implied to have been man-made' [256]

1.2.9. The Ark: The nature of the rescue from the Flood

1.2.9.1. Is there any effective Flood rescue device i.e. 'an Ark' in evidence?

There is a statistically significant, negative association 'some kind of Flood rescue device ('Ark') in evidence' / 'the Flood stated or implied to be associated with blood' [257] [*the blood and absence of ark appears to be an archaic version*]

There is a statistically significant, positive association between 'some kind of Flood rescue device ('Ark') in evidence', and 'Flood hero said or implied to have a god for ally' [258]

One would therefore expect a statistically significant association between the Flood hero's gender, and an Ark being in evidence – and in fact there is a strong indication of such an association but (given the relatively small sample size) it just fails to be significant:

like previous, blood stands for femininity, but the association between the gender of the Flood hero and the presence of some ark just falls short of being significant [259] -- it may have been significant if a larger sample had been used

---

[256] Flood rescue device stated or implied to be man-made
```
            no      yes
          -1.000   1.000    TOTAL two children in evidence
          --------------------
  -1.000    31       31       62 no
   1.000    14        3       17 yes
          --------------------
 TOTAL      45       34       79
l = 6.186; df = 1; p = 0.013
```

[257] some kind of Flood rescue device ('Ark') in evidence
```
            no      yes
          -1.000   1.000    TOTAL  association Flood and blood in evidence
          --------------------
  -1.000    11       63       74   no
   1.000     3        2        5   yes
          --------------------
 TOTAL      14       65       79
l = 4.866; df = 1; p = 0.027
```

[258] some kind of Flood rescue device ('Ark') in evidence
```
            no      yes
          -1.000   1.000    TOTAL Flood hero stated or implied to be ally of Flood causer
          --------------------
  -1.000     6       16       22 no
   1.000     0       18       18 yes
          --------------------
 TOTAL       6       34       40
l = 8.035; df = 1; p = 0.005
```

[259] some kind of Flood rescue device ('Ark') in evidence
```
            no      yes
          -1.000   1.000    TOTAL gender Flood hero stated or implied to be
          --------------------
  -1.000     4       31       35 male
   1.000     4        6       10 female
          --------------------
 TOTAL       8       37       45
l = 3.784; df = 1; p = 0.052; not significant!
```

1.2.9.2. Flood myths with no specific detached ark, but with a natural refuge as part of the landscape

In many Flood myths, the refuge is not a natural or man-made Ark, but merely a natural elevation such as a tree trunk, a tree or a mountain top.

1.2.9.3. Natural Flood rescue device serving as Ark: statistical associations

There is a statistically significant, positive association 'Flood rescue device stated or implied to be natural' / 'motif of the two children in evidence'[260] [Yet, of the idea of Two Children is so strongly associated with Heaven and Earth, then we still need to explain why this idea tends to be associated with a natural rescuing device. The only explanation which I have so far proposed is that here we are still very close to the transformative cycle.]

There is a statistically significant, positive association 'animal trickster-demiurge in evidence' / 'mountains stated or implied to constitute Flood rescue'[261]

There is a statistically significant, positive association 'Flood hero's partner stated or implied to be killed' / 'Flood rescue device stated or implied to be natural' [262]

There is a statistically significant, positive association 'multiple Flood heroes are in evidence who are siblings' / 'Flood rescue device stated or implied to be natural' [263]

There is a statistically significant, positive association 'incest in evidence' / 'Flood rescue device stated or implied to be natural', [264]

---

[260] Flood rescue device stated or implied to be natural
```
              no       yes
           -1.000    1.000     TOTAL two children in evidence
           --------------------
   -1.000     60        2        62 no
    1.000     10        7        17 yes
           --------------------
 TOTAL        70        9        79
l = 15.328; df = 1; p = 0.000
```

[261] animal trickster-demiurge in evidence
```
              no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be mountain
           --------------------
   -1.000     59        6        65 no
    1.000      9        5        14 yes
           --------------------
 TOTAL        68       11        79
l = 5.497; df = 1; p = 0.019
```

[262] partner stated or implied to be killed
```
              no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
   -1.000     67        3        70 no
    1.000      6        3         9 yes
           --------------------
 TOTAL        73        6        79
l = 6.238; df = 1; p = 0.013
```

[263] multiple Flood heroes in evidence who are stated or implied to be siblings
```
              no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
   -1.000     20       13        33 no
    1.000      0        4         4 yes
           --------------------
 TOTAL        20       17        37
l = 6.798; df = 1; p = 0.009
```

1.2.9.4. Rescue through climbing inside a reed

In several Flood myths, again especially from North-eastern Asia and the New World, Flood heroes (especially animals) escape from the Flood by climbing up to heaven in a narrow reed stalk. Here the parallel with the Greek Prometheus myth is particularly manifest: Prometheus carried the stolen fire in a reed stalk (narthex).

1.2.9.5. Statistically significant associations of the Flood rescue device being man-made

There is a statistically significant, positive association 'Flood rescue device stated or implied to have been man-made' / 'causer of Flood stated or implied to be a god'[265]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'a third party stated or implied to be involved in the Flood episode'[266] [*596: by third party, not a man-made device: this is to be thought through further; but it could be an artefact*]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'Flood rescue device stated or implied to be natural' [267]

There is a statistically significant, **negative** association 'Flood rescue device stated or implied to have been man-made' / 'Flood rescue device stated or implied to consist in a mountain or mountains'[268] [*mutually exclusive*]

---

[264] incest in evidence
```
             no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
  -1.000     68        2        70 no
   1.000      7        2         9 yes
           --------------------
 TOTAL       75        4        79
l = 3.961; df = 1; p = 0.047
```

[265] Flood rescue device stated or implied to be man-made
```
             no       yes
           -1.000    1.000     TOTAL causer of Flood stated or implied to be a god
           --------------------
  -1.000     19        5        24 no
   1.000     10       11        21 yes
           --------------------
 TOTAL       29       16        45
l = 4.946; df = 1; p = 0.026
```

[266] Flood rescue device stated or implied to be man-made
```
             no       yes
           -1.000    1.000     TOTAL third party in evidence
           --------------------
  -1.000     19       25        44 no
   1.000     26        9        35 yes
           --------------------
 TOTAL       45       34        79
l = 7.901; df = 1; p = 0.005
```

[267] Flood rescue device stated or implied to be man-made
```
             no       yes
           -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
           --------------------
  -1.000     36       34        70 no
   1.000      9        0         9 yes
           --------------------
 TOTAL       45       34        79
l = 10.997; df = 1; p = 0.001
```

There is a statistically significant, positive association 'Flood rescue device stated or implied to have been man-made' / 'post-Flood re-population stated or implied to be through stones' [269]

There is a statistically significant, positive association 're-connection between Heaven and Earth stated or implied to be man-made' / 'warning in evidence' [270]

1.2.10. Are the Flood hero(es) / other protagonist(s) involved in a contest-game-combat

1.2.10.1. Statistically significant associations of 'combat in evidence'

There is a statistically significant, positive association 'combat in evidence' / 'serpent in evidence' [271] [this is another indication that the entire text of Genesis 1-12 amounts to a Flood story, *cf.* the Serpent in paradise ; yet the presence of the serpent suggests that the combat cannot simply be reduced to an expression of the transformative cycle and nothing more]

---

[268] Flood rescue device stated or implied to be man-made

```
              no     yes
            -1.000   1.000     TOTAL Flood rescue device stated or implied to be mountain
           --------------------
  -1.000      31       34        65 no
   1.000      14        0        14 yes
           --------------------
 TOTAL        45       34        79
l = 18.010; df = 1; p = 0.000
```

[269] Flood rescue device stated or implied to be man-made

```
              no     yes
            -1.000   1.000     TOTAL repopulation stated or implied to be through stones
           --------------------
  -1.000      45       31        76 no
   1.000       0        3         3 yes
           --------------------
 TOTAL        45       34        79
l = 5.216; df = 1; p = 0.022
```

[270] Flood rescue device stated or implied to be man-made

```
              no     yes
            -1.000   1.000     TOTAL warning in evidence
           --------------------
  -1.000      34       18        52 no
   1.000      11       16        27 yes
           --------------------
 TOTAL        45       34        79
l = 4.399; df = 1; p = 0.036
```

[271] combat in evidence

```
              no     yes
            -1.000   1.000     TOTAL serpent in evidence
           --------------------
  -1.000      45       24        69 no
   1.000       3        7        10 yes
           --------------------
 TOTAL        48       31        79
l = 4.452; df = 1; p = 0.035
```

There is a statistically significant, positive association 'combat in evidence' / 'rank in evidence'[272] [this is not so clear; rank suggests a relatively late development – I believe I have miscoded the rank variable by assuming, during the data entry process, that 'hero', or 'demiurge', automatically imply: high rank]

There is a statistically significant, positive association 'combat in evidence' / 'demiurge in evidence'[273]

There is a statistically significant, positive association 'combat in evidence', / 'the motif of demiurge and murder in evidence'[274] [puzzling: murder we can interpret in terms of the transformative cycle (E_n destroys E_{n-1}), but the demiurge seems to be a different kettle of fish altogether]

There is a statistically significant, positive association 'two children in evidence'/ 'combat in evidence'[275] [again; the combat as an intermediate development, for the Two Children are not easily explained in terms of the transformative cycle ; by an Ancient Egyptian analogy (Tefnut and Shu, the first creatures to be created by Atum, through masturbation, and associated not only with Humidity and Air, but also with Sun and Moon – as the Eyes of Horus) one might think that the Two Children revert to an initial step in the Cosmogony of the Separation of Heaven and Earth – *cf.* Genesis 1:16]

There is a statistically significant, negative association 'combat in evidence' / 'fish in evidence'[276]

---

[272] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL rank in evidence
          --------------------
 -1.000     39      18        57 no
  1.000      9      13        22 yes
          --------------------
 TOTAL      48      31        79
l = 4.966; df = 1; p = 0.026
```

[273] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL demiurge in evidence
          --------------------
 -1.000     33      13        46 no
  1.000     15      18        33 yes
          --------------------
 TOTAL      48      31        79

l = 5.579; df = 1; p = 0.018
```

[274] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL motif of demiurge and murder in evidence
          --------------------
 -1.000     44      21        65 no
  1.000      4      10        14 yes
          --------------------
 TOTAL      48      31        79
l = 7.287; df = 1; p = 0.007
```

[275] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL two children in evidence
          --------------------
 -1.000     42      20        62 no
  1.000      6      11        17 yes
          --------------------
 TOTAL      48      31        79
l = 5.785; df = 1; p = 0.016
```

[276] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL fish in evidence
          --------------------
 -1.000     42      31        73 no
  1.000      6       0         6 yes
          --------------------
 TOTAL      48      31        79
l = 6.295; df = 1; p = 0.012
```

There is a statistically significant, positive association 'combat in evidence' / 'fire stated or implied to have caused the Flood'[277] [*this still reminds us of the battle between fire and water, and of the entire transformative cycle of water, fire, earth, light, wood and metal. It was at this point in my analysis, in fact, that I was struck by the insight that what we are essentially dealing with, in these Flood myth, is mutations of a cosmological transformative cycle*]

There is a statistically significant, **negative** association 'combat in evidence' / 'cosmoclasm stated or implied to be a Flood[278] [*makes sense: if the combat is an evocation of an intact transformative cycle, then one element (Water) cannot take over the whole of reality*]

There is a statistically significant, positive association 'combat in evidence' / 'mountains stated or implied to result from Flood'[279] [*Could this be part of the same transformative cycle: water produces earth? Is it still an echo of the original separation of Land and Water?*]

There is a statistically significant, positive association 'combat in evidence' / 'Flood stated or implied to end paradise'[280] [*rather logically so, more or less by implication; taken literally from a modern perspective, the combat is the opposite of Paradise, for it means strife; however, if we look at Paradise as the history-less cycle of self-repetitive transformations, then combat is an expression of the same*]

---

[277] combat in evidence
```
            no      yes
          -1.000   1.000     TOTAL fire stated or implied to have caused Flood
          --------------------
  -1.000     48       25       73
   1.000      0        6        6
          --------------------
 TOTAL       48       31       79
l = 12.002; df = 1; p = 0.001
```

[278] combat in evidence
```
            no      yes
          -1.000   1.000     TOTAL cosmoclasm stated or implied to be Flood
          --------------------
  -1.000      2        6        8 no
   1.000     46       25       71 yes
          --------------------
 TOTAL       48       31       79
l = 4.711; df = 1; p = 0.030
```

[279] combat in evidence
```
            no      yes
          -1.000   1.000     TOTAL mountains stated or implied to result from Flood
          --------------------
  -1.000     48       26       74 no
   1.000      0        5        5 yes
          --------------------
 TOTAL       48       31       79
l = 9.885; df = 1; p = 0.002
```

[280] combat in evidence
```
            no      yes
          -1.000   1.000     TOTAL Flood stated or implied to be end paradise
          --------------------
  -1.000     48       27       75 no
   1.000      0        4        4 yes
          --------------------
 TOTAL       48       31       79
l = 7.818; df = 1; p = 0.005
```

There is a statistically significant, negative association 'combat in evidence' / 'multiple Flood heroes are in evidence who constitute a married couple'[281] [the crux seems to be, not the fact that there are multiple Flood heroes (for these we have learned to understand as elements within a transformative cycle) but that there are only two elements which moreover intimately belong together as a married couple – both in number, and in terms of the strength and uniqueness of the bond, a breach of the transformative cycle]

There is a statistically significant, positive association 'combat in evidence' and 'a third party stated or implied to be involved in the Flood episode'[282] [*Third Party: Adversary, Serpent, Rainbow Serpent; or the other elements ; yet again indicating that combat cannot be totally relegated to the transformative cycle, for then there could not be a Third Party ; however, see the next item*]

There is a statistically significant, positive association 'combat in evidence' / 'Flood hero stated or implied to be trickster'[283] [more than the Demiurge, the Trickster can be seen as a simple evocation of the (shape shifting, ever transforming) transformative cycle; this would throw light on the previous item: apparently the difference between Trickster and Demiurge is not always so very great]

There is a statistically significant, positive association 'combat in evidence', and 'Flood hero stated or implied to survive Flood'[284] [this I cannot explain on the basis of the transformative cycle – unless the Flood hero is reality itself, which persists immutably but merely undergoes ephemeral, unessential format changes

---

[281] combat in evidence
```
              no     yes
            -1.000   1.000    TOTAL  multiple Flood heroes stated or implied to be married couple
            --------------------
   -1.000     16      16       32 no
    1.000      5       0        5 yes
            --------------------
 TOTAL        21      16       37
l = 6.254; df = 1; p = 0.012
```

[282] combat in evidence
```
              no     yes
            -1.000   1.000    TOTAL  third party in evidence
            --------------------
   -1.000     36       8       44 no
    1.000     12      23       35 yes
            --------------------
 TOTAL        48      31       79
l = 19.102; df = 1; p = 0.000
```

[283] combat in evidence
```
              no     yes
            -1.000   1.000    TOTAL  Flood hero stated or implied to be trickster
            --------------------
   -1.000     36      23       59 no
    1.000      2       8       10 yes
            --------------------
 TOTAL        38      31       69
l = 6.032; df = 1; p = 0.014
```

[284] combat in evidence
```
              no     yes
            -1.000   1.000    TOTAL  Flood hero stated or implied to survive Flood
            --------------------
   -1.000      8       1        9 no
    1.000     27      23       50 yes
            --------------------
 TOTAL        35      24       59
l = 4.455; df = 1; p = 0.035
```

There is a statistically significant, positive association 'combat in evidence' and 'earth diver in evidence' [285] [Does this not suggest that the earth diver belongs to Pandora's Box? Yet is also surfaces in North America and in North East Asia. Or would Flood myth have their origin there (yes! in North East Asia, where the origin lies of mtDNA Type B). This means t hat the Earth Diver belongs to NarCom II. It is also a production of CITI III (and therefore should no longer be listed as a separate NarCom in its own right). The earth diver is also part of the transformative cycle: Earth ends Water / Earth destroys Water. The entire combat theme is cosmological in addition to social/political/military. ; So paradise precedes the cosmological transformative cycle, or exists outside that cycle; paradise revolves on the idea of the unity of opposites, in such a way that one's sibling can be one's spouse. ; Could we not also interpret the Trickster in this sense? The trickster does not represent the (pre-cosmogonic) Chaos, but the transformation, the cycle. In fact the idea of transcendence is, in the first place, a denial of the transformation cycle. This is why the separation of Heaven and Earth radically both creates and upsets/threatens/changes the order of reality. This is perhaps also why China, especially Taoism, has never fundamentally adopted the vertical scheme (despite paying lip-service to Heaven and to the emperor as the Son of Heaven) and has been stuck in the transformative cycle (I Ching, pa kua) – just like Africa, incidentally, where true transcendence is relatively unthinkable for reasons why I have explored elsewhere (leopard studies).]

There is a statistically significant, positive association between 'combat in evidence' and 'earth diver stated or implied to have ended Flood'[286]

There is a statistically significant, positive association 'combat in evidence' and 'post-Flood re-connection between Heaven and Earth stated or implied to be human'[287] [this does not fit our theory: re-connection appears to be a relatively late theme since it presupposes the Separation of Heaven and Earth; however, one could also argue that such re-connection tries to annihilate such Separation of Heaven and Earth as has been effected, and therefore tries to revert back to an earlier cosmological phase, in other words is regressive and typologically early, not late. The combat motif seems to constitute an intermediate stage: trying to steer away from the transformative cycle, but not very well succeeding

---

[285]
```
combat in evidence
            no     yes
          -1.000   1.000    TOTAL earth diver in evidence
          --------------------
  -1.000     48      26       74 no
   1.000      0       5        5 yes
          --------------------
 TOTAL       48      31       79
l = 9.885; df = 1; p = 0.002
```

[286]
```
combat in evidence
            no     yes
          -1.000   1.000    TOTAL earth diver stated or implied to have ended Flood
          --------------------
  -1.000     48      27       75 no
   1.000      0       4        4 yes
          --------------------
 TOTAL       48      31       79
l = 7.818; df = 1; p = 0.005
```

[287]
```
combat in evidence
            no     yes
          -1.000   1.000    TOTAL re-connection stated or implied to be human
          --------------------
  -1.000     45      23       68 no
   1.000      3       8       11 yes
          --------------------
 TOTAL       48      31       79
l = 5.919; df = 1; p = 0.015
```

1.2.10.2. Statistically significant associations of the Flood hero / causer combat

There is a statistically significant, **negative** association 'supernatural in evidence' / 'combat between Flood hero and Flood causer in evidence':[288] [for a combat between Flood hero and Flood causer would be predicated on the assumption that the two antagonists are equal, in other words that we find ourselves within an immanentalist world view which has not room for transcendence and the idea of a god, let alone a Supreme God]

There is a statistically significant, **negative** association 'combat between Flood hero and Flood causer in evidence' / 'food crops in evidence';[289]

there is an there is a statistically significant, positive association between 'gender of the supernatural stated or implied', and 'combat between Flood hero and Flood causer in evidence':[290]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'human trickster-demiurge in evidence'[291] [is very important, because here combat is still translated in terms of a combat between the Flood hero and the Flood causer (*e.g.* Marduk / Tiamat),and the Flood hero has not yet become the ally / servant / dependent of a Supreme God. ; In view of the evocation of the cosmological transformative cycle, the trickster is nothing but the combat, but that is an implication at the level of the Ancient Thought as reconstructed by me, not at the level of the modernist logic of statistical analysis.; again immanentalist implications – as are characteristic of the transformative cycle]

---

[288] combat between Flood hero and Flood causer in evidence

```
             no      yes
          -1.000    1.000    TOTAL supernatural in evidence
          --------------------
  -1.000      2        3        5 no
   1.000     16        2       18 yes
          --------------------
 TOTAL       18        5       23
l = 4.797; df = 1; p = 0.029
```

[289] combat between Flood hero and Flood causer in evidence

```
             no      yes
          -1.000    1.000    TOTAL food crops in evidence
          --------------------
  -1.000     17        6       23 no
   1.000      8        0        8 yes
          --------------------
 TOTAL       25        6       31
l = 4.060; df = 1; p = 0.044
```

[290] combat between Flood hero and Flood causer in evidence

```
             no      yes
          -1.000    1.000    TOTAL gender of the supernatural stated or implied to be
          --------------------
  -1.000      8        0        8 male
   1.000      0        1        1 female
          --------------------
 TOTAL        8        1        9
l = 6.279; df = 1; p = 0.012
```

[291] combat between Flood hero and Flood causer in evidence

```
             no   yes
          -1.000    1.000    TOTAL human trickster-demiurge in evidence
          --------------------
  -1.000     22        2       24 no
   1.000      3        4        7 yes
          --------------------
 TOTAL       25        6       31
l = 7.133; df = 1; p = 0.008
```

There is a statistically significant, **negative** association 'combat between Flood hero and Flood causer in evidence' / 'causer of Flood stated or implied to be supernatural':[292]

There is a statistically significant, **negative** association between 'combat between Flood hero and Flood causer in evidence' / 'warning in evidence':[293]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver in evidence'[294]

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver stated or implied to end the Flood'[295] [Excellent, once one has finally recognised that combat, trickster, Earth Diver have so much in common as aspects of the cosmological transformative cycle, then everything falls in place. Would that cycle belong to Pandora's Box? I do not think so, see above. Yet, just as a said: Combat = transformation cycle, essentially immanent, does not agree with the verticalisation which breached through the de cosmological transformative cycle (the latter conceived as Ewigen Widerkehr des Gleichen).]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'combat between Flood hero and Flood causer in evidence' [296]

---

[292] combat between Flood hero and Flood causer in evidence
```
              no     yes
           -1.000   1.000    TOTAL causer of Flood stated or implied to be
                                   supernatural
           --------------------
  -1.000      11       6      17 no
   1.000       7       0       7 yes
           --------------------
 TOTAL        18       6      24
l = 4.918; df = 1; p = 0.027
```

[293] combat between Flood hero and Flood causer in evidence
```
              no     yes
           -1.000   1.000    TOTAL warning in evidence
           --------------------
  -1.000      15       6      21 no
   1.000      10       0      10 yes
           --------------------
 TOTAL        25       6      31
l = 5.335; df = 1; p = 0.021
```

[294] combat between Flood hero and Flood causer in evidence
```
              no     yes
           -1.000   1.000     TOTAL earth diver in evidence
 --------------------
  -1.000      23       3      26 no
   1.000       2       3       5 yes
 --------------------
 TOTAL        25      6 31
l = 5.136; df = 1; p = 0.023
```

[295] combat between Flood hero and Flood causer in evidence
```
             no   yes
           -1.000   1.000    TOTAL earth diver stated or implied to have ended Flood
           --------------------
  -1.000      24       3      27 no
   1.000       1       3       4 yes
           --------------------
 TOTAL        25       6      31
l = 7.127; df = 1; p = 0.008
```

[296] combat between Flood hero and Flood causer in evidence
```
              no   yes
           -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
           --------------------
  -1.000      24       3      27
   1.000       1       3       4
           --------------------
 TOTAL        25       6      31
l = 7.127; df = 1; p = 0.008
```

There is a statistically significant, **negative** association 'Flood hero stated or implied to repopulate' / 'combat between Flood hero and Flood causer in evidence':[297] [for combat is an expression of the transformative cycle, which knows no ordinary reproduction but only produces through cyclical transformation]

There is a statistically significant, **negative** association 're-connection between Heaven and Earth in evidence' / 'combat between Flood hero and Flood causer in evidence':[298]

1.2.11. How was it known that the Flood had stopped?

1.2.11.1. Was a bird sent out by the Flood hero?

Although elsewhere in this analysis I have suggested that the bird sent out by the Flood hero could be a transformation of the earth diver, and thus ultimately a personification of the process of the Land separating from the Primal Waters, some of the statistical associations found around the Flood hero being stated or implied to sent out one or more birds merely conjure up the familiar Nuaḥite model.

Thus there is a statistically significant positive association between birds being stated or implied to be sent out, and the Flood hero's status as an ally of the Flood causer [what this ultimately seems to mean is that here we are in the realm where Heaven and Earth are thought to be separated, notably by air, which is the birds' domain – this marks the bird motif as relatively advanced]

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood causer stated or implied to be a god' [299] [*Is it possible that the bird is in reality a god in its own right? Raven, Eagle, Horus – always the celestial god as bird; cf. also the sacred birds as pan-Nostratic animals. And in addition all sacred birds from Greek mythology (Graves).* ; I cannot imagine that all these cases of bird are all based on a Noahic model; check this in the data set.]

There is a statistically significant, positive association between 'bird stated or implied to be sent out', and 'causer

---

[297] combat between Flood hero and Flood causer in evidence
```
              no    yes
            -1.000  1.000    TOTAL  Flood hero stated or implied to repopulate
            --------------------
  -1.000       7       3       10
   1.000      14       0       14
            --------------------
 TOTAL        21       3       24
l = 5.868; df = 1; p = 0.015
```

[298] combat between Flood hero and Flood causer in evidence
```
              no    yes
            -1.000  1.000    TOTAL  re-connection in evidence
            --------------------
  -1.000       3       4        7  no
   1.000      22       2       24  yes
            --------------------
 TOTAL        25       6       31
l = 7.133; df = 1; p = 0.008
```

[299] bird stated or implied to be sent
```
                    no    yes
                  -1.000  1.000    TOTAL  causer of Flood stated or implied to be a god
            --------------------
  -1.000      24       0       24  no
   1.000      16       5       21  yes
            --------------------
 TOTAL        40       5       45
l = 8.342; df = 1; p = 0.004
```

of Flood stated or implied to be the Supreme God'.[300] :

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood hero stated or implied to have been human' [301]

There is a statistically significant, positive association between 'bird stated or implied to be sent out' and 'Flood hero stated or implied to be ally of Flood causer' [302]

There is a statistically significant, positive association between 'bird stated or implied to be sent out' and 'Flood rescue device stated or implied to be man-made'[303]

There is a statistically significant, positive association between 'warning in evidence', and 'bird stated or implied to be sent out' out:[304]   [*bird looks like warning: bridging information-distance in space and time*]

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'sacrifice in evidence'[305]

---

[300] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL causer stated or implied to be supreme god
           ---------------------
  -1.000      30        0       30 no
   1.000      10        5       15 yes
           ---------------------
 TOTAL        40        5       45
l = 12.299; df = 1; p = 0.000
```

[301] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL    Flood hero stated or implied to be human
           ---------------------
  -1.000      17        0       17    no
   1.000      45        7       52    yes
           ---------------------
 TOTAL        62        7       69
l = 4.212; df = 1; p = 0.040
```

[302] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL    Flood hero stated or implied to be ally of Flood
                                       causer
           ---------------------
  -1.000      21        1       22    no
   1.000      11        7       18    yes
           ---------------------
 TOTAL        32        8       40
l = 7.839; df = 1; p = 0.005
```

[303] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL  Flood rescue device stated or implied to be
                                     man-made
           ---------------------
  -1.000      44        1       45 no
   1.000      27        7       34 yes
           ---------------------
 TOTAL        71        8       79
l = 7.636; df = 1; p = 0.006
```

[304] bird stated or implied to be sent
```
              no      yes
           -1.000    1.000    TOTAL warning in evidence
           ---------------------
  -1.000      51        1       52 no
   1.000      20        7       27 yes
           ---------------------
 TOTAL        71        8       79
l = 11.015; df = 1; p = 0.001
```

1.2.12. Repopulation and reproduction after the Flood

1.2.12.1. Modes of repopulation after the Flood; the persistence of an older, vegetal cosmogony

In many Flood myth repopulation of the world after the Flood takes places in the following manner. One or two surviving Flood heroes produce (in all sort of varieties of sexual and a-sexual reproduction) a smooth, undifferentiated object, and it is only from that object that children, animals *etc.* emerge secondarily. The interpretation of this undifferentiated object is not obvious. However, it is clear that in late cosmogonies (like that of the separation of Water and Land, and the separation of Heaven and Earth) much older dispensations continue to shimmer through. One of the latter was the idea that the entire world has a vegetal origin, had grown on a tree.

This cosmogony we still encounter in the motif of the tree of life,[306] of the tree of the Knowledge of Good and Evil in paradise (Genesis 2: 17), Buddha's tree of illumination, birth from a cabbage, the Ark as a naturally grown vegetal product (calabash, nut, reed), and from the many vegetal mechanisms to which myths attributes the post-Flood repopulation of the world with animal and human life. Against this background we can recognise the undifferentiated intermediate product as another fruit or tuber from which (without any recognisable reference sexuality, – for the latter has brought forth the terrible Flood) the ancient vegetative cosmogony is revived, in a context where, in fact, that ancient cosmogony had already been supplanted by the separation of Water and Land. We may perceive that the man-made Ark (for instance that of Noaḥ, Utnapishtim, Ziusudra, Athrakhasis, the Flood heroes of the Ancient Near East) in itself appears to be a transformation of the natural Flood refuges such as the calabash, nut and reed. Thus the image of the undifferentiated smooth intermediate product which, *after the Flood* i.e. in some sort of secondary creation, formed a vegetative, a-sexual intermediate step towards the repopulation of the earth, repeats the vegetative imagery of the wooden man-made or naturally grown Ark. *Both images are directly tributary to the older cosmogony which made everything grow from a tree.* Incidentally such motifs are remarkably persistent. Our modern time has seen, in Murray Leinster's science fiction novelette *First Contact* (1945),[307] the image of an extraterrestrial world which is so thoroughly vegetative (even the space ships are some sort of calabashes grown from a tree), that the intelligent beings from that world devour any animal tissue as the greatest possible treat – which becomes fatal, not only to the early astronauts that make first contact with them, but also for their trouser belts and for the upholstery of their spaceship's cabins.

1.2.12.2. Statistically significant association of repopulation of the world after the Flood being through abnormal reproduction

There is a statistically significant, positive association 'gender trickster-demiurge stated or implied to be female ' / 'post-Flood repopulation stated or implied to have been abnormal'[308] [*abnormal if Flood hero female...; is the Flood also about the imposition of a male dominant social, cultural and religious order?*]

---

[305]
```
     bird stated or implied to be sent
              no     yes
            -1.000   1.000    TOTAL sacrifice in evidence
            --------------------
  -1.000     65       5        70  no

   1.000      6       3         9  yes
            --------------------
 TOTAL       71       8        79
l = 4.319; df = 1; p = 0.038
```

[306] [**add refs, do: FILEM = ref= tree of life, yields a lot of returns**]

[307] Reprinted several times, also in: Leinster 1998.

[308]
```
     gender trickster-demiurge stated or implied to be
            male   female
           -1.000  1.000    TOTAL repopulation stated or implied to be
                                  abnormal
           --------------------
  -1.000     7       0        7 no
   1.000     1       3        4 yes
           --------------------
 TOTAL       8       3       11
l = 8.392; df = 1; p = 0.004
```

 # There is a statistically significant, negative association 'post-Flood re-connection between heaven and earth stated or implied to be man-made' / 'post-Flood repopulation stated or implied to have been abnormal'[309]

1.2.12.3. Statistically significant associations of 'repopulation of the world after the Flood being through a-sexual reproduction'

There is a statistically significant, positive association human trickster-demiurge / 'post-Flood repopulation stated or implied to be a-sexual' [310]

There is a statistically significant, positive association 'fire stated or implied to have caused the Flood' / 'multiple Flood heroes in evidence stated or implied to be siblings'[311] [this clearly evokes the transformative cycle of elements (= the multiple heroes, amongst them Fire, and Water)]

There is a statistically significant, positive association 'food crops in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual'[312]

There is a statistically significant, positive association 'gender trickster-demiurge stated or implied to be male' / 'post-Flood repopulation stated or implied to have been a-sexual'[313] [to be male ; logically, for the have no womb]

---

[309] re-connection stated or implied to be man-made
```
              no     yes
           -1.000   1.000     TOTAL repopulation stated or implied to be abnormal
           --------------------
  -1.000      16        4        20 no
   1.000      13        0        13 yes
           --------------------
 TOTAL        29        4        33
l = 4.360; df = 1; p = 0.037
```

[310] human trickster-demiurge in evidence
```
              no     yes
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
           --------------------
  -1.000      21        0        21 no
   1.000      10        2        12 yes
           --------------------
 TOTAL        31        2        33
l = 4.276; df = 1; p = 0.039
```

[311] fire stated or implied to have caused Flood
```
              no     yes
           -1.000   1.000      TOTAL multiple Flood heroes in evidence who are stated or implied to
be siblings
           --------------------
  -1.000      20        0        20 no
   1.000      14        3        17 yes
           --------------------
 TOTAL        34        3        37
l = 4.980; df = 1; p = 0.026
```

[312] food crops in evidence
```
              no     yes
           -1.000   1.000     TOTAL repopulation stated or implied to be a-sexual
           --------------------
  -1.000      18        3        21 no
   1.000       6        6        12 yes
           --------------------
 TOTAL        24        9        33
l = 4.812; df = 1; p = 0.028
```

– but the latter observation is anachronistic, too much based on modern thought ; a small number of cases yet of interest; this seems another application of the transformative cycle . Could one say that the idea of the Flood myth revolves on a dramatic collapse of the cosmological transformative cycle? In other words, not only is order created through the separation of Land / Water, and not only because the Flood myth as a thought experiment is based on thinking through the separation of Land and Water as a cosmogonic points of departure. Or is this transformative cycle a further elaboration of this cosmology of the separation of Water / Land? Or is that separation Water / Land, as depicted above, a boundary case, a collapse of the cosmic transformative cycle? I am inclined to take the latter view, for if combat and trickster are in Pandora's Box; which I very much doubt, however, this is contradictory] then it stands to reason that also the transformative cycle belongs to Pandora's Box ; yet I have a considerable problem with that idea]

There is a statistically significant, positive association 'earth diver in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual' [314]

the rationale behind a-sexual and abnormal reproduction in post-Flood repopulation of the earth: modes of repopulation after the Flood; the persistence of an older, vegetal cosmogony

statistical associations of post-Flood a-sexual reproduction being specifically through stones

There is a statistically significant, positive association 'Flood hero stated or implied to be ally of the Flood causer' / 'post-Flood re-population stated or implied to be through stones'[315]

1.2.12.4. Statistically significant association of post-Flood repopulation being through normal reproduction

There is a statistically significant, positive association 'post-Flood repopulation stated or implied to be through normal sexuality' / 'separation of Water and Land in evidence'[316]   [both not archaic]

```
313 gender trickster-demiurge stated or implied to be
            male    female
           -1.000    1.000      TOTAL repopulation stated or implied to be a-sexual
           --------------------
   -1.000      1        3         4 no
    1.000      7        0         7 yes
           --------------------
 TOTAL         8        3        11
l = 8.392; df = 1; p = 0.004


314 earth diver in evidence
             no      yes
           -1.000    1.000      TOTAL repopulation stated or implied to be a-sexual
           --------------------
   -1.000     21        0        21 no
    1.000     10        2        12 yes
           --------------------
 TOTAL        31        2        33
l = 4.276; df = 1; p = 0.039


315 Flood hero stated or implied to be ally of Flood causer:
             no      yes
           -1.000    1.000      TOTAL repopulation stated or implied to be from
                                      stones
           --------------------
   -1.000     22       15        37 no
    1.000      0        3         3 yes
           --------------------
 TOTAL        22       18        40
l = 5.091; df = 1; p = 0.024
```

There is a statistically significant, negative association 'post-Flood repopulation stated or implied to be through normal sexuality' / 'shape-shifting in evidence'[317]

There is a statistically significant, negative association 'trickster-demiurge in evidence' / 'post-Flood repopulation stated or implied to be through normal sexuality':[318]

There is a statistically significant, negative association between 'animal trickster-demiurge in evidence', and 'post-Flood repopulation stated or implied to be through normal sexuality':[319]

There is a statistically significant, negative association 'the motif of trickster-demiurge and murder is in evidence' / 'post-Flood repopulation stated or implied to be through normal sexuality'[320]

There is a statistically significant, negative association 'post-Flood repopulation stated or implied to be a-sexual' / 'post-Flood repopulation stated or implied to be through normal sexuality'[321]

---

[316] repopulation stated or implied to be normal

```
            no     yes
          -1.000   1.000    TOTAL separation of the waters in evidence
          --------------------
   -1.000      3       0       3 no
    1.000      0       2       2 yes
          --------------------
 TOTAL         3       2       5
l = 6.730; df = 1; p = 0.009
```

[317] repopulation stated or implied to be normal

```
            no     yes
          -1.000   1.000    TOTAL shape-shifting in evidence
          --------------------
   -1.000     18      10      28 no
    1.000      5       0       5 yes
          --------------------
 TOTAL        23      10      33
l = 3.987; df = 1; p = 0.046
```

[318] trickster-demiurge in evidence

```
            no     yes
          -1.000   1.000    TOTAL repopulation stated or implied to be normal
          --------------------
   -1.000      7      16      23 no
    1.000      9       1      10 yes
          --------------------
 TOTAL        16      17      33

l = 10.949; df = 1; p = 0.001
```

[319] animal trickster-demiurge in evidence

```
            no     yes
          -1.000   1.000    TOTAL repopulation stated or implied to be normal
          --------------------
   -1.000     15       8      23 no
    1.000     10       0      10 yes
          --------------------
 TOTAL        25       8      33
l = 6.834; df = 1; p = 0.009
```

[320] motif of trickster-demiurge and murder in evidence

```
            no     yes
          -1.000   1.000    TOTAL repopulation stated or implied to be normal
          --------------------
   -1.000     15       8      23 no
    1.000     10       0      10 yes
          --------------------
 TOTAL        25       8      33
l = 6.834; df = 1; p = 0.009
```

With this insight in t he central place of the cosmic transformative cycle in Flood myths we may also understand the fire problematics which surfaces in this context all the time:

- fire as alternative to water in cosmoclasm
- fire as prohibited after the Flood

The idea that water has extinguished all fire is a rationalisation (possible already of the narrators, certainly of the analysts). In fact, what we have here is:

- fire ←the alternative Flood
- water ←Flood
- wood ←Ark
- air ←separation of heaven and earth, bird
- earth / metal ←the mountains as refuge, as resulting from the Flood, or as natural reconnection of heaven and earth

yes it is a narrative that has nothing to do with reproduction, but once the awareness of t he old cosmological transformative cycle has been lost, one can re-tell the story in terms of reproduction in order to retain and transmit it – for at that relatively late stage one still realises (probably on the basis of persisting ritual) that what is involved is an important myth, but the true nature of the myth is no longer understood. This means that my entire concentration on post-Flood reproduction, in the data entry, may well have been a red herring.

1.2.12.5. Statistically significant association of the Flood hero personally engaging in repopulation of the world after the Flood

statistically significant associations of 'Flood hero stated or implied to repopulate after the Flood'

There is a statistically significant, negative association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to repopulate' :[322] [*Yes, the Flood hero; as trickster, specifically?*] *should not at all be occupied with repopulation. The Flood hero as trickster is simply the cosmological transformative cycle; the emphasis on reproduction (e.g. in Genesis 10) is a later development, after the idea of a transformative cycle had been lost.*]

```
321 repopulation stated or implied to be abnormal
              no    yes
            -1.000   1.000      TOTAL repopulation stated or implied to be normal
            --------------------
   -1.000     11       12        23 no
    1.000     10        0        10 yes
            --------------------
 TOTAL        21       12        33
l = 11.421; df = 1; p = 0.001


322 human trickster-demiurge in evidence
              no    yes
            -1.000   1.000      TOTAL Flood hero stated or implied to repopulate
            --------------------
   -1.000     19        7        26 no
    1.000     34        1        35 yes
            --------------------
 TOTAL        53        8        61
l = 8.033; df = 1; p = 0.005
```

There is a statistically significant, negative association 'Flood hero stated or implied to repopulate' / 'combat between Flood hero and Flood causer in evidence':[323] [*I have already said something on the importance of ridicule. On second thoughts, what seems to be ridiculed is the modernist, verticalist, providentialist conception of a process (the Flood) that in fact is based on an unavoidable and fundamental structure of reality, notably the transformative cycle, which is completely amoral and essentially impersonal. Yet the Flood hero persists in his actions, he ignores the ridicule, for he is the pioneer of a post-cyclical, linear historical world image. It is in Flood myths that history comes into being. Thus also in Ovid and in Genesis. ; as if standard heterosexual procreation also presupposes a 'standard' transcendent god and a human being who is unequal to and subservient to that god*]

There is a statistically significant, negative association 'Flood hero stated or implied to repopulate after the Flood' / 'ridicule in evidence' [324](

There is a statistically significant, negative association 'earth diver stated or implied to end the Flood' / 'Flood hero stated or implied to repopulate' :[325] [*Flood hero stated or implied to repopulate after the Flood ; The idea that the Earth Diver ends the Flood must then be taken very literally:*

$$\text{Water} \longrightarrow \text{Earth}$$

$$\text{element}_{n-1} \longrightarrow \text{element}_n$$

There is a statistically significant, **negative** association: 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to repopulate':[326] [*688: in the Earth Diver the old transformative cycle (although in mutated form) is yet too much present than that there is room for normal reproduction. [this kind of relationships can only be understand as a perversion of the transformative cycle*

One can take the distribution area of the Earth Diver, as reproduced by Villems, as just another indication of the geographical distribution of the postulated, original system of the cosmological transformative cycle.

---

[323] combat between Flood hero and Flood causer in evidence

```
             no    yes
           -1.000  1.000    TOTAL Flood hero stated or implied to repopulate
           --------------------
  -1.000      7      3        10
   1.000     14      0        14
           --------------------
 TOTAL       21      3        24
l = 5.868; df = 1; p = 0.015
```

[324] Flood hero stated or implied to repopulate

```
             no    yes
           -1.000  1.000    TOTAL ridicule in evidence
           --------------------
  -1.000      3     12        15 no
   1.000      5      2         7 yes
           --------------------
 TOTAL        8     14        22
l = 5.453; df = 1; p = 0.020
```

[325] earth diver stated or implied to have ended Flood

```
             no    yes
           -1.000  1.000    TOTAL Flood hero stated or implied to repopulate
           --------------------
  -1.000     22      4        26 no
   1.000     35      0        35 yes
           --------------------
 TOTAL       57      4        61
l = 7.204; df = 1; p = 0.007
```

[326] Flood hero stated or implied to direct earth diver

```
             no    yes
           -1.000  1.000    TOTAL Flood hero stated or implied to repopulate
           --------------------
  -1.000     22      4        26 no
   1.000     35      0        35 yes
           --------------------
 TOTAL       57      4        61
l = 7.204; df = 1; p = 0.007
```

1.2.12.5. Incest in Flood myths

1.2.12.5.1. The Flood caused by the discovery of sexuality?

In some Flood myths, notably from Oceania (and also according to a Talmudic tradition as applied to the paradise myth in Genesis) the discovery of sexuality (notably brother-sister incest) was the direct occasion for the end of paradise, in other words for the Flood.

1.2.12.5.2. Statistically significant associations of 'incest in evidence'

There is a statistically significant, positive association 'incest in evidence' / 'motif of the two children in evidence' [327]

There is a statistically significant, positive association 'incest in evidence' / 'Flood rescue device stated or implied to be natural', [328]

There is a statistically significant, positive association 'incest in evidence' / 'multiple Flood heroes in evidence who are siblings'[329]

There is a statistically significant, positive association 'Flood hero stated or implied to repopulate after the Flood' / 'incest in evidence'[330]

There is a statistically significant, **negative** association 'incest in evidence' / 're-connection between Heaven and Earth stated or implied to be man-made':[331]

```
327 incest in evidence
            no       yes
          -1.000    1.000     TOTAL two children in evidence
          --------------------
  -1.000     61        1        62 no
   1.000     14        3        17 yes
          --------------------
 TOTAL       75        4        79
l = 5.577; df = 1; p = 0.018
```

```
328 incest in evidence
            no       yes
          -1.000    1.000     TOTAL Flood rescue device stated or implied to be natural
          --------------------
  -1.000     68        2        70 no
   1.000      7        2         9 yes
          --------------------
 TOTAL       75        4        79
l = 3.961; df = 1; p = 0.047
```

```
329 incest in evidence
            no       yes
          -1.000    1.000      TOTAL multiple Flood heroes in evidence who are stated or implied to
be siblings
          --------------------
  -1.000     20        0        20 no
   1.000     14        3        17 yes
          --------------------
 TOTAL       34        3        37
l = 4.980; df = 1; p = 0.026
```

```
330 Flood hero stated or implied to repopulate
            no       yes
          -1.000    1.000     TOTAL incest in evidence
          --------------------
  -1.000     26       31        57 no
   1.000      0        4         4 yes
          --------------------
 TOTAL       26       35        61
l = 4.652; df = 1; p = 0.031
```

There is a statistically significant, positive association 'sibling incest in evidence' / 'motif of the two children in evidence' [332] [*If the Two Children are identical to Heaven and Earth, and if incest is their game, then the chain / celestial axis is in the first place the penis of Geb (not Shu, that is the father), which units Heaven and Earth. The Two Children's sibling incest is also, in its own right, a re-connection of Heaven and Earth. In Egyptian mythology this theme of the Two Children has no longer the connotations of a Flood myth (although it could be read as a detectable transformation of one, work out). But we must be prudent on this point: once turned into narrative, the incest motif is capable of detaching itself from Heaven and Earth, and of taking on a life of its own.*]

1.2.13. The earth diver

A Flood motif that is common in North-eastern Asia and in the New World but not generally known in Europe, is that of the earth diver (NarCom 26: 'The Earth diver'). This is a rodent-like creature that obviously survives the Flood, and that terminates the Flood by diving up a clod of earth, which becomes dry land again by blowing (*cf.* the Spirit which hovers over the waters in Genesis 1, and which is blown into the clay doll in Genesis 2: 7;[333] but also *cf.* the birds[334] which – as if they were transformed earth divers – are sent out by Noaḥ (Genesis 8: 6-12) in order to ascertain if the earth has already fallen dry). The earth diver appears to be a narrative personification of the emergence of Land from the Primal Waters.

If this is correct, the earth diver appears to be an ancient and independent mythical motif, whose appearance in Flood stories is due to the fact that Flood stories, as a dominant and popular genre, have absorbed other Narrative Complexes and pressed them into service. When there is a personal Flood hero, earth diver generally appears as subservient to that Flood hero – it is then on the latter's command that the earth diver brings up the clod of earth. More seems to be involved here than the subordinate joining of mythical motifs. A process can be observed in the course of which animals are supplanted by humans as the protagonists in cosmogonic stories including Flood myths: originally acting as an agent in his own right (as a theriamorphic – animal-shaped – condensation of the emergence of Land from the Primal Waters), in a narrative context where animals are self-evidently assumed to have been the first conscious beings (the original totems?), a new concept of humankind and agency (which I tend to situated in Neolithic or Bronze Age times, but more reflection is need on this point) makes humankind assert itself as master of the creation (*cf.* Genesis 2).

---

[331] incest in evidence

```
              no        yes
           -1.000     1.000      TOTAL Flood rescue device stated or implied to be man-made
           --------------------
   -1.000      41         4        45 no
    1.000      34         0        34 yes
           --------------------
 TOTAL         75         4        79
l = 4.663; df = 1; p = 0.031
```

[332] sibling incest in evidence

```
              no        yes
           -1.000     1.000      TOTAL two children in evidence
           --------------------
   -1.000      62         0        62 no
    1.000      14         3        17 yes
           --------------------
 TOTAL         76         3        79
l = 9.666; df = 1; p = 0.002
```

[333] These two verses, *inter alia*, suggest that the whole of Genesis 1-12, and not just the chapters 6-10, may be read as one elaborate Flood myth.

[334] First a raven, then a dove (Genesis 8:7 f.). A Talmudic story relates how the Raven accuses Noah of coveting Mrs Raven sexually and therefore (foreshadowing King David's treatment of his general Uriah) tries to send her husband to his death. Note the prominence of Raven as a trickster in North-West Coast Native American mythology. The affinity with Flood stories is *e.g.* brought out by the famous sculpture by the Haida-European sculptor Bill Reid, 'Raven meets the first humans' (commissioned by, and now on display at, the Museum of Anthropology, University of British Columbia, Vancouver) (Fig. 4).

By the same token there is a statistically significant association between animal survival and blowing being in evidence in the Flood story:

1.2.13.1. Statistically significant associations of 'earth diver in evidence'

There is a statistically significant association between NarCom 26: 'The Earth diver' [in evidence] and 'world region'[335,336]

There is a statistically significant, positive association 'combat in evidence' and 'earth diver in evidence' [337] [Yes, very well to be understood from the cosmological transformative cycle, but much depends on the strategic introduction of that idea. Let me first confront the reader with the apparent absurdity of such relationships.]

There is a statistically significant, positive association 'human trickster-demiurge in evidence', and 'earth diver in evidence'[338]

There is a statistically significant, positive association 'earth diver in evidence' / 'first conscious beings stated or implied to be animals'[339] - [*NOT implication: the earth diver is an animal itself but need not have been among the 'first conscious beings'*]

---

[335] Since N=79 and therefore cell values tend to be small, it is in general unadvisable to break the data down for the entire 12 (sub-)continents that it would be meaningful to distinguish from a point of view of comparative mythology: Australia, Europe, Meso America, North America North and East Asia, the Near East, New Guinea, the Pacific, South America, South Asia, South East Asia, and sub-Saharan Africa. [**adjust order**] . Such a twelve fold division is given by the variable Continent. A more aggregated division is given by the variable Aggregated Continent, where various significant regions are combined to leave six divisions that are still meaningful from a point of view of comparative: Australia with New Guinea; North America with North and East Asia; Africa with Europe and with West and South Asia; leaving Meso America, South America and South East Asia as before.

[336] earth diver in evidence (= NarCom XXX)against world regions:

```
        world regions
        Australia   Meso     North      South   South East  West and
        & Nw Guin  America   America    America  Asia        South of
                             & East Asia                     Old World   TOTAL earth diver
                                                                               in evidence
        ------------------------------------------------------------
 -1.000      6         8        22         10       14          14        74 no
  1.000      0         0         5          0        0           0         5 yes
        ------------------------------------------------------------
 TOTAL       6         8        27         10       14          14        79
l = 11.402; df = 5; p = 0.044
```

[337] combat in evidence

```
            no      yes
          -1.000   1.000     TOTAL earth diver in evidence
         ---------------------
 -1.000     48       26      74 no
  1.000      0        5       5 yes
         ---------------------
 TOTAL      48       31      79
l = 9.885; df = 1; p = 0.002
```

[338] human trickster-demiurge in evidence

```
            no      yes
          -1.000   1.000     TOTAL earth diver in evidence
         ---------------------
 -1.000     64       10      74 no
  1.000      2        3       5 yes
         ---------------------
 TOTAL      66       13      79
l = 5.307; df = 1; p = 0.021
```

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to be that by virtue of knowledge'[340]

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood' and 'earth diver in evidence':[341]

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to be that by virtue of knowledge'[342]

There is a statistically significant, positive association earth diver in evidence' / 'post-Flood repopulation stated or implied to have been a-sexual' [343]

1.2.13.2. Statistically significant associations of the rodent being in evidence

There is a statistically significant, positive association 'rodent in evidence' and 'combat in evidence':[344]   [*understandable : only if both variables are seen as representations of the cosmological transformative cycle*

```
339 earth diver in evidence
              no      yes
            -1.000   1.000    TOTAL first conscious beings stated or implied to be animals
            --------------------
  -1.000      53       1        54 no
   1.000       3       2         5 yes
            --------------------
 TOTAL        56       3        59
l = 7.029; df = 1; p = 0.008


340 earth diver in evidence
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of
                                    knowledge
            --------------------
  -1.000      64       2        66 no
   1.000      10       3        13 yes
            --------------------
 TOTAL        74       5        79
l = 5.307; df = 1; p = 0.021


341 human agency stated or implied to have caused Flood
              no      yes
            -1.000   1.000    TOTAL earth diver in evidence
            --------------------
  -1.000      48      26        74 no
   1.000       5       0         5 yes
            --------------------
 TOTAL        53      26        79
l = 4.155; df = 1; p = 0.041


342 earth diver in evidence
              no      yes
            -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of knowledge
            --------------------
  -1.000      64       2        66 no
   1.000      10       3        13 yes
            --------------------
 TOTAL        74       5        79
l = 5.307; df = 1; p = 0.021


343 earth diver in evidence
              no      yes
            -1.000   1.000    TOTAL repopulation stated or implied to be a-sexual
            --------------------
  -1.000      21       0        21 no
   1.000      10       2        12 yes
            --------------------
 TOTAL        31       2        33
l = 4.276; df = 1; p = 0.039
```

There is a statistically significant, negative association 'human agency stated or implied to have caused Flood' / 'rodent in evidence':345 [*yes, for agency is a totally new concept, probably from the Neolithic, it has absolutely nothing to do with the cosmic transformative cycle*]

1.2.13.3. Statistically significant associations of earth diver being stated or implied to have ended the Flood

There is a statistically significant, positive association 'combat between Flood hero and Flood causer in evidence' / 'earth diver stated or implied to have ended the Flood'346 [*Therefore, combat is to be conceived not as a struggle between humans and not as a theme from Pandora's Box, but only as the idea of transformation between phases that necessarily and systematically supplant each other in a cyclical process (and even so I doubt whether it was already in Pandora's Box) ; Earth diver: as transformation of combat / adversary ? directing earth diver = winning combat? ; transformative cycle*]

There is a statistically significant, negative association 'earth diver stated or implied to have ended the Flood' / 'Flood hero stated or implied to repopulate' :347 [*if the earth diver is in evidence (in other words, as a remnant of the original transformative cycle), then the Flood hero is not occupied with repopulation for repopulation has nothing to do with it; what is IT*] *and is only a much later rationalisation*]

 also in the table immediately above very low p values, partly through implication?

---

344 combat in evidence
```
              no     yes
            -1.000   1.000     TOTAL rodent in evidence
            --------------------
   -1.000      46      24       70 no
    1.000       2       7        9 yes
            --------------------
 TOTAL         48      31       79
l = 6.288; df = 1; p = 0.012
```

345 human agency stated or implied to have caused Flood
```
              no        yes
            -1.000    1.000     TOTAL rodent in evidence
            --------------------
   -1.000      44      26       70  no
    1.000       9       0        9  yes
            --------------------
 TOTAL         53      26       79
l = 7.741; df = 1; p = 0.005
```

346 combat between Flood hero and Flood causer in evidence
```
              no     yes
            -1.000   1.000     TOTAL earth diver stated or implied to have ended Flood
            --------------------
   -1.000      24       3       27 no
    1.000       1       3        4 yes
            --------------------
 TOTAL         25       6       31
l = 7.127; df = 1; p = 0.008
```

347 earth diver stated or implied to have ended Flood
```
              no     yes
            -1.000   1.000     TOTAL Flood hero stated or implied to repopulate
            --------------------
   -1.000      22       4       26 no
    1.000      35       0       35 yes
            --------------------
 TOTAL         57       4       61
l = 7.204; df = 1; p = 0.007
```

1.2.13.4. Statistically significant associations of the Flood hero being stated or implied to direct the earth diver

statistically significant associations of 'Flood hero stated or implied to direct earth diver'

There is a statistically significant, positive association 'human trickster-demiurge in evidence' / 'Flood hero stated or implied to direct earth diver' [348] [the trickster which has become human and which directs the earth diver (≈ bird): here we capture the metamorphosis (*cf.* Ovid!) of the transformative cycle into a Flood myth

There is a statistically significant, positive association: 'Flood hero stated or implied to direct earth diver' / 'rank in evidence'.[349]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver', and 'combat in evidence':[350] t [yes, that is clear by now, thank you!

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'combat between Flood hero and Flood causer in evidence' [351]

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to be that by virtue of knowledge':[352] [yes, that is clear by now, thank you!; but probably wrongly coded by me in data entry]

---

[348] trickster-demiurge stated or implied to be human
```
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000     65      10       75 no
   1.000      1       3        4 yes
          --------------------
 TOTAL       66      13       79
l = 7.250; df = 1; p = 0.007
```

[349] Flood hero stated or implied to direct earth diver
```
            no     yes
          -1.000   1.000    TOTAL rank in evidence
          --------------------
  -1.000     56       1       57 no
   1.000     19       3       22 yes
          --------------------
 TOTAL       75       4       79
l = 4.065; df = 1; p = 0.044
```

[350] combat in evidence
```
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000     48      27       75 no
   1.000      0       4        4 yes
          --------------------
 TOTAL       48      31       79
l = 7.818; df = 1; p = 0.005
```

[351] combat between Flood hero and Flood causer in evidence
```
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000     24       3       27 no
   1.000      1       3        4 yes
          --------------------
 TOTAL       25       6       31
l = 7.127; df = 1; p = 0.008
```

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'Flood hero stated or implied to have directed the earth diver' 353

There is a statistically significant, positive association: 'Flood hero stated or implied to direct earth diver' / 'a human stated or implied to have saved the animals':354 [again the later re-forging of the original transformative cycle]

There is a statistically significant, positive association 'earth diver in evidence' / 'Flood hero stated or implied to direct earth diver'355

There is a statistically significant, positive association 'Flood hero stated or implied to direct earth diver' / 'rodent in evidence' 356

There is a statistically significant, positive association 'earth diver stated or implied to end the Flood' / 'Flood hero stated or implied to direct earth diver'357

```
352 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to be that by virtue of knowledge
          --------------------
  -1.000    65       1       66 no
   1.000    10       3       13 yes
          --------------------
 TOTAL      75       4       79
l = 7.250; df = 1; p = 0.007


353 animals stated or implied to survive Flood
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000    46      29       75 no
   1.000     0       4        4 yes
          --------------------
 TOTAL      46      33       79
l = 7.283; df = 1; p = 0.007


354 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL human stated or implied to have saved animals
          --------------------
  -1.000    64       1       65 no
   1.000    11       3       14 yes
          --------------------
 TOTAL      75       4       79
l = 6.778; df = 1; p = 0.009


355 earth diver in evidence
            no     yes
          -1.000   1.000    TOTAL Flood hero stated or implied to direct earth diver
          --------------------
  -1.000    74       1       75 no
   1.000     0       4        4 yes
          --------------------
 TOTAL      74       5       79
l = 26.655; df = 1; p = 0.000


356 Flood hero stated or implied to direct earth diver
            no     yes
          -1.000   1.000    TOTAL rodent in evidence
          --------------------
  -1.000    69       1       70 no
   1.000     6       3        9 yes
          --------------------
 TOTAL      75       4       79
l = 9.719; df = 1; p = 0.002
```

There is a statistically significant, negative association: 'Flood hero stated or implied to direct earth diver' / 'Flood hero stated or implied to repopulate':[358]

again, as usual, very high levels of significance around the earth diver

1.2.13.5. Further statistically significant associations of blowing

There is a statistically significant, positive association 'animals stated or implied to survive the Flood' / 'blowing in evidence'[359]

Since the clot which the earth diver has brought up, usually needs to be blown upon in order to dry, the motif of the earth driver is closely associated with that of the Narrative Complex 7 'From the Mouth / Blowing in evidence'. The latter motif also displays the same geographical association as that of the earth diver.

There is a statistically significant, positive association 'blowing in evidence', and 'Flood hero stated or implied to be trickster-demiurge'[360]

1.2.13.6. Further details of earth diver and birds sent out, miscellaneous

There is a statistically significant, positive association 'bird stated or implied to be sent out' and 'Flood causer stated or implied to be a god' [361] [*the bird is also some sort of demiurge, a connection between Heaven and Earth; = warning ; NB: warning is an example of a connection between Heaven and Earth*] *; and even a god*]

```
357 earth diver stated or implied to have ended Flood
               no     yes
             -1.000   1.000     TOTAL Flood hero stated or implied to direct earth diver
             --------------------
   -1.000      75        0        75 no
    1.000       0        4         4 yes
             --------------------
 TOTAL         75        4        79
l = 31.659; df = 1; p = 0.000

358 Flood hero stated or implied to direct earth diver
               no     yes
             -1.000   1.000     TOTAL Flood hero stated or implied to repopulate
             --------------------
   -1.000      22        4        26 no
    1.000      35        0        35 yes
             --------------------
 TOTAL         57        4        61
l = 7.204; df = 1; p = 0.007

359 animals stated or implied to survive Flood
               no     yes
             -1.000   1.000     TOTAL  blowing in evidence
             --------------------
   -1.000      45       28        73 no
    1.000       1        5         6 yes
             --------------------
 TOTAL         46       33        79
l = 4.758; df = 1; p = 0.029

360 blowing in evidence
               no     yes
             -1.000   1.000     TOTAL Flood hero stated or implied to be trickster-demiurge
             --------------------
   -1.000      57        2        59 no
    1.000       7        3        10 yes
             --------------------
 TOTAL         64        5        69
l = 6.189; df = 1; p = 0.013
```

1.3. Conclusion

The present report is a half product, and cannot stand on its own since no systematic, discurxsve interpretation of the results is being attempted here. That will be a task for my forthcoming studies on Flood myths,, especially in press (k). Meanwhile glimpses of the implied interpretations may be gleaned from my publications so far, especially those listed under the references below.

1.4. References cited

Bible, 1985, The Holy Bible: Containing the Old en New Testaments: Translated out of the original tongues and with the former translations diligently compared and revised: King James version 1611: A reference edition: Based on the 1962 edition of the American Bible Society, second South African Edition 1982, third impr. 1985, Roggebaai: Bible Society of South Africa.

Bierhorst, John, 1988, The mythology of South America, New York: William Morrow, pp. 142-143

Goldsmith, Elisabeth, 1924, Life symbols as related to sex symbolism: A brief study into the origin and significance of certain symbols which have been found in all civilisations, such as the cross, the circle, the serpent, the triangle, the tree of life, the swastika, and other solar emblems, showing the unity and symplicity of thought underlying their use as religious symbols, New York: Putnam.

Graves, R., 1964, The Greek myths, I-II, Harmondworth: Penguin, first published 1955.

Grimm, Jacob & Wilhelm, 1812-1815, Kinder- und Hausmaerchen, ed. Hans-Jörg Uther, I,-IV, München: Diederichs.

Heidegger, Martin., 1986, Nietzsches Metaphysische Grundstellung im abendländischen Denken. Die ewige Wiederkehr des Gleichen (SS 1937), Gesamtausgabe, 254, Frankfurt am Main: Klostermann.

Heller, B., 1993, 'Nuh, the Noah of the Bible', in: C.E. Bosworth, E. van Donzel, W.P. Heinrichs & G. Lecomte, 1968, eds, Encyclopaedia of Islam, new edition, VIII, Leiden: Brill, pp. 108-109.

Hoover, J.J., 1980, 'The seduction of Ruwej: Reconstructing Ruund history, the nuclear Lunda: Zaïre, Angola, Zambia, ', 2 vols., Ann Arbor, Michigan/ London: University Microfilms International.

Isaak, Mark., 2006, Flood Stories from Around the World, at: http://home.earthlink.net/~misaak/floods.htm

James, E.O., 1966, The tree of life: An archaeological study, Leiden: Brill, Studies in the History of Religions xi.

Kuntz, Marion Leathers, & Kuntz, Paul Grimley, 1987, eds, Jacob's Ladder and the Tree of Life: Concepts of Hierarchy and the Great Chain of Being, New York etc.: Lang.

Leinster, Murray, 1998, First Contacts: The Essential Murray Leinster, Framingham, Massachusetts: New England Science Fiction Association.

Murphy, R.E., 2002, The tree of life: An exploration of Biblical wisdom literature, Grand Rapids: Eerdmans.

Ovid/Ovidius [Publius Ovidius Naso],1815, Metamorphoses: In fifteen books: With the notes of John Minellius, and others, in English, with a prose version of the Author, ed. & transl. Bailey, N., Dublin: Wogan.

Parpola, S., 1993, 'The Assyrian tree of life: Tracing the origins of Jewish monotheism and Greek philosophy', Journal of Near Eastern Studies, 52, 3: 161-208.

```
361 bird stated or implied to be sent
                       no     yes
               -1.000   1.000    TOTAL  causer of Flood stated or implied to be a god
              --------------------
  -1.000       24       0       24 no
   1.000       16       5       21  yes
              --------------------
 TOTAL         40       5       45
l = 8.342; df = 1; p = 0.004
```

Sierksma, F., 1962, De roof van het vrouwengeheim: De mythe van de dictatuur der vrouwen en het ontstaan der geheime mannengenootschappen, Den Haag: Mouton.

Turner, V.W., 1955, 'A Lunda love story and its consequences: Selected texts from traditions collected by Henrique Dias de Carvalho at the court of Mwantianvwa in 1887', Rhodes-Livingstone Journal, 19: 1-26.

van Binsbergen, Wim M.J., & Woudhuizen, Fred C., 2011, Ethnicity in Mediterranean protohistory, British Archaeological Reports (BAR) International Series 2256, Oxford: Archaeopress, p.:359.; fulltext at: http://quest-journal.net/shikanda/topicalities/Ethnicity_MeditProto_ENDVERSION%20def%20LOW%20DPI.pdf.

van Binsbergen, Wim M.J., 1992b, Tears of Rain: Ethnicity and history in western central Zambia, London/Boston: Kegan Paul International, also at: http://www.quest-journal.net/shikanda/ethnicity/Tearsweb/pdftears.htm .

van Binsbergen, Wim M.J., 2012d, Before the Presocratics: Cyclicity, transformation, and element cosmology: The case of transcontinental pre- or protohistoric cosmological substrates linking Africa, Eurasia and North America, special issue, Quest: An African Journal of Philosophy / Revue Africaine de Philosophie, XXIII-XXIV, 1-2, 2009-2010, pp. 1-398, book version: Haarlem: Shikanda; fulltext at: http://www.quest-journal.net/2009-2010.htm .

van Binsbergen, Wim M.J., 2022, Pandora's Box prised open: Studies in Comparative Mythology, Hoofddorp: Shikanda, Papers in Intercultural Philosophy / Transcontinental Comparative Studies, no. 26)

van Binsbergen, Wim M.J., in press (k), The origin and global distribution of Flood myths: A statistical and distributional contents analysis, Hoofddorp: Shikanda, Papers in Intercultural Philosophy / Transcontinental Comparative Studies, no. 27

van Binsbergen, Wim M.J., with the collaboration of Mark Isaak, 2008, 'Transcontinental mythological patterns in prehistory: A multivariate contents analysis of Flood myths worldwide challenges Oppenheimer's claim that the core mythologies of the Ancient Near East and the Bible originate from early Holocene South East Asia', Cosmos: The Journal of the Traditional Cosmology Society, 23 (2007): 29-80, fulltext at: http://www.quest-journal.net/shikanda/ancient_models/Binsbergen_Edinburgh_2007_%20for_Cosmos.pdf.

Villems, Richard, 2005, 'The Earth Diver Myth and Genetics', paper, Pre-symposium of Research Insitute for Humanity and Nature (RIHN) and 7th Ethnogenesis South and Central Asia (ESCA) Harvard-Kyoto Roundtable, Kyoto: Research Institute for Humanity and Nature, Kyoto;.

Widengren, Geo, 1951, The King and the Tree of Life in Ancient Near Eastern Religion, Uppsala Universitets Arsskrift 4, Uppsala: Uppsala Universitet.