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1  # Proposal for a New Calendar: "Ajk'in" Calendar
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3  ## 1. Introduction
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5  The Ajk'in Calendar is a proposed solar timekeeping system that begins on December
6  22, 2012, a date that symbolizes a cosmic renewal in the Mayan tradition. This calendar
7  divides the solar year of 365 days into 13 months, each named after the 13 zodiac
8  constellations, including Ophiuchus.
9
10
11  ## 2. Origin and Justification
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13  The Gregorian calendar, although widely used, does not fully reflect astronomical cycles
14  or cultural symbolism. The Ajk'in Calendar offers a more balanced and culturally rooted
15  alternative, featuring:
16
17  * A starting date of December 22, 2012 (Ajk'in Day 1)
18  * 13 months per year: 12 months of 28 days and 1 month of 29 days
19  * Month names derived from the 13 zodiac constellations:
20  Pisces, Aries, Taurus, Gemini, Cancer, Leo, Virgo (29 days), Libra, Scorpio,
21  Ophiuchus, Sagittarius, Capricorn, and Aquarius
22
23  ## 3. Calendar Structure
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25  Key Features:
26
27  * Start Date: December 22, 2012 (Ajk'in Day 1)
28  * Minimum Unit: 1 day
29  * Year Length: 365 days
30  * Months Per Year: 13
31  * Month Lengths: 12 months × 28 days + 1 month (Virgo) × 29 days
32  * Month Names: Pisces, Aries, Taurus, Gemini, Cancer, Leo, Virgo (29 days),
33  Libra, Scorpio, Ophiuchus, Sagittarius, Capricorn, Aquarius
34
35  ## 4. Conversion Between Gregorian and Ajk'in Calendars
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37  * Ajk'in Day 0: December 21, 2012 (reference only; not part of the official count)
38  * Ajk'in Day 1: December 22, 2012
39  * Days are counted consecutively, incrementing through the months and years according to
40  the fixed month structure.
41
42  ## 5. Conversion Example
43
44  | Gregorian Date | Ajk'in Day | Year | Month Number | Month Name | Day of Month |
45  | ----- | ----- | --- | ----- | ----- | ----- |
46  | Dec 21, 2012 | 0 | - | - | - | - |
47  | Dec 22, 2012 | 1 | 1 | 1 | Pisces | 1 |
48  | May 15, 2025 | 4525 | 13 | 6 | Leo | 6 |
49
50  ## 6. Advantages
51
52  * Alignment with astronomical reality through use of zodiacal constellations
53  * Uniform structure simplifies calculations and time tracking
54  * Meaningful start date with cultural and symbolic significance
55  * Compatible with the solar year of the Gregorian calendar
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57  ## 7. Implementation and Dissemination
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59  We recommend the development of:
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61  * Educational resources
62  * Calendar converters and visual tools
63  * Pilot implementations in cultural, academic, or scientific institutions
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65  ## 8. Contact
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67  Submitted by:
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