

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stopped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

CONTENTS
WORLD PHILOSOPHY DAY
EVOLUTION BY FIRE

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

We alone shine!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar, come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

WORLD PHILOSOPHY DAY

At the beginning there was neither being nor non-being, neither death nor life. There existed only

నాసదాసీన నో సదాసీత తదానీ నాసీద్ రజో నో వయోమాపరో యత్ |
కిమావరీచః కుఱ్ఱ కస్య శామన్వన్మః కిమాసీద్ గఱ్ఱనం గఱ్ఱీరమ ||
న మత్యూరాసీదమ్నం న తద్దే న రాత్ర్యా అద్ద ఆసీత్ప్రకేతః |
ఆనీదవాన్తం సవధయా తదేకం తస్మాద్దాన్వయన్త న పరః కిం చనాస ||
తమ ఆసీత్ తమసా గూఱమగ్రే అప్రకేతం సత్తలం సర్వమాద్దమ్ |
తుఱ్యేనాభిచిహితం యదాసీత్ తపసస్తన్మహినాజాయతేకమ్ |
కామస్తదగ్రే సమవర్తతాధి మనసో రేతః పరథమ్ యదాసీత్ |
సతో బన్ధుమసతి నిరచిన్దన్త ద్దే పరతీఱ్యాకవయో మనోఱా ||
తిరశ్చీనో వీతతో రశిమరేఱామథః సవిదాసీ అ.అ.అత్ |
రేతోధాసన్ మఱ్ఱిమన్ ఆసన్ సవథా అవస్తాత్ పరయతిః పరస్తాత్ ||
కో అద్దా వేద క ఇహ పర వోచన్ కుత్ ఆజాతా కుత్ ఇర్యవిశ్ఱిః |
అర్వాగ దేవా అస్య విసర్జనేనాథా కో వేద యతాబభూవ ||
ఇయం విశ్ఱిర్యన్త ఆవభూవ యది వా దధే యది వా న |
యో అస్యాధ్యక్షః పరమే వయోమన్ సో అఱ్ఱగ వేద యది వా నవేద |

one, a life energy, which breathed, the seed of the world, which was born through the power of meditation (tapas). From this life-energy came the power of love (kama), the creative urge, the first seed of the spirit or consciousness, that is, the seed of the world. The gods themselves could not have caused it, since they themselves are part of the creation. But the important elements of this narrative are: 1) the existence of a spiritual seed of the world; 2) the self-fecundation or non-sexual reproduction; 3) meditation and love are the driving powers of

creation!

ॐ असतो मा सद्गमय ।
तमसो मा ज्योतिर्गमय ।
मृत्योर्मा अमृतं गमय ।
ॐ शान्तिः शान्तिः शान्तिः ॥
om asato maa sad-gamaya |
tamaso maa jyotir-gamaya |
mrtyor-maa amrtam gamaya |
om shaantih shaantih shaantih ||



Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

Philosophical thought is an inalienable human construct, inspiring discipline, and everyday practice that can transform societies. Philosophy refines freedom of thought against all forms of absolutism, by enabling us to discover the diversity of the intellectual currents in the world, and stimulating intercultural dialogue. By awakening minds to the exercise of thinking and the reasoned confrontation of opinions, philosophy helps to build a more tolerant, more respectful society. Philosophy is a school of freedom², and the philosophical reflection is the first of the methods for personal and collective emancipation aiming to develop critical thinking so as to free thought from servitude and ignorance.

United Nations Educational, Scientific, and Cultural Organization (UNESCO)'s principal mission of constructing the defenses of peace in the minds of men and women is an infinite one which is constantly renewed as needs change over time. Since 2002, Philosophy Day has been celebrated at UNESCO, every year on the third Thursday of November. At the request of the Kingdom of Morocco, a proclamation of the world philosophy day was examined together with the feasibility study prepared by the Secretariat in that regard (171 EX/INF.12), and decided that the world philosophy day could have a beneficial influence on the promotion of philosophy teaching and that there was wide support for the celebration of the philosophy day worldwide for the promotion of philosophical thought and research. It was expected that the following results would occur by celebrating such day worldwide³:

- greater international awareness of the need for free, critical and responsible philosophical reflection;
- mobilization of the intellectual community, decision-makers, educational institutions and the media to promote philosophy;

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

We alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanisad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stopped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

- (iii)reinforcement of international cooperation in the fields of philosophy, ethics and the social and human sciences;
- (iv)elaboration of new approaches and procedures in the teaching and practice of philosophy; and
- (v) greater visibility of UNESCO’s pioneering role, its mandate and intellectual mission

By celebrating World Philosophy Day each year, UNESCO underlines the enduring value of philosophy for the development of human thought, for each culture and for each individual. World Philosophy Day, 15 November, is being celebrated by UNESCO from 14 to 16 November through a rich program, which includes the Night of Philosophy at the Organization’s Headquarters from 7 pm on 16 November to 7am on 17 November.

The second edition of A Night of Philosophy at UNESCO in Paris is a nocturnal happening starting at 7 pm local time on 16 November 2018 that aims to create the conditions of an encounter between philosophy, art and the general public, renewing the concept used in 2016. The concept proposed for this edition is to create a fusion between the “big bang format” which was acclaimed in UNESCO in November 2016 and celebrating the topic of love 50 years after the year 1968 and revisiting the Greek symposia 25 centuries after Plato’s Symposium. For this event, 48 philosophers will be present, 24 French and 24 from abroad, along with 12 artists⁴.

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

We alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stopped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

EVOLUTION BY FIRE



I worship the Agni (Sacred Fire) that is chief priest, the deity of the sacrifice, who works according to the seasons, the invoker, best to grant the treasure. The Sacred Fire honored by the ancient sages is invoked again by the new. For us he manifests all the Gods. To you, oh Fire, day by day, by dawn and by dusk we come bearing our offering of surrender, the king of the sacred rite, the guardian of truth, flourishing in his own nature. Rigveda I.1.1, 2, 7.

Thou, oh Fire, shining forth throughout the days, from the waters, from the stones, from the forests and from the herbs, thou oh Lord of souls are ever born pure! Rigveda II.1.1

Oh Fire, whom the waters, the mountains and the forests carry as the child of truth, you are enkindled with force by men on the summit of the Earth. You have filled with your radiance both the worlds and stream with smoke in Heaven. Rigveda VI.48.5-6

There is a Divine Fire in the Earth and in the plants. The Waters carry the fire and the same fire dwells in the rocks. There is a fire within human beings, within the cows and the horses are sacred fires. The Divine fire shines from heaven as the Sun. The Divine fire extends the wide atmosphere through the wind. Mortals enkindle the Fire that carries their prayers, which loves clarity. Atharvaveda XIII.1.19-20.⁵

// Lokaha Samastaha Sukhino Bhavanthu // (May the whole world be happy)

// Sarve Jana Sukhino Bhavanthu // (May all people be happy)

// Sarva Jeeva Janthu Sukhino Bhavanthu // (May all beings be happy)

For millennia, Vedic priests⁶ have been performing a ritual called yajna⁷, chanting Vedic hymns, making offerings to the sun god through the fire god and praying for the welfare of the world⁸.

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
 Thou dazzling fount of life-persuasive light!
 Sublimest mystery speeding from afar!
 Swift became that burst too potent on the sight!
 This radiant type of strength and youth!
 Glowing eternal.



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
 Skining forth he rises from the lap of the dawn!
 Praised by singers, my God Savitar!
 Stopped forth and never missed his place!
 He steps forth the splendor of the sky the wide!
 Seeing, far-shining, the shining wanderer!
 -Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

We alone shine!
 All luminaries get illuminated by His Illumination!
 The whole Universe is enlightened by His light!
 -Kathopanishad

మన సంస్కృతి (MANA SANSKRITI) हमारी संस्कृति (HAMAAREE SANSKRITI) OUR CULTURE

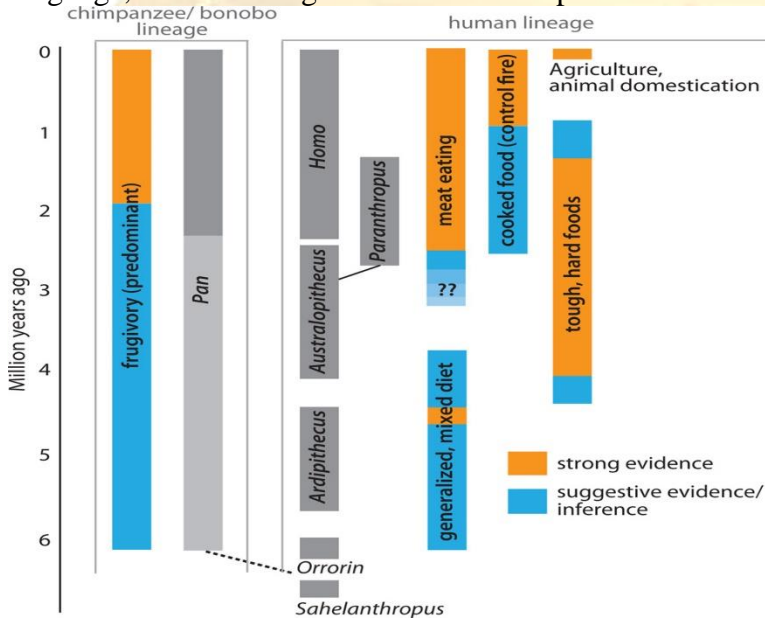
Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

The evolutionary history of hominins has been characterized by the introduction of fire, cooking, language, and the changes associated with plant and animal domestication⁹.



Timeline of the main dietary shifts during hominin evolution. Approximate dates of existence for human- and chimpanzee/bonobo-lineage genera are depicted in gray boxes. Timing of some of the important dietary transitions in hominin evolution is highlighted in orange and blue boxes to indicate whether these transitions are supported strongly or suggestively, respectively.

The large and thick-enameled teeth of australopithecines, about 4.1–1.4 million years ago, suggest diets that included hard foods such as strong shelled (endocarps) large seeds and starch-rich underground

storage organs such as bulbs and corms¹⁰.

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda, vii, 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

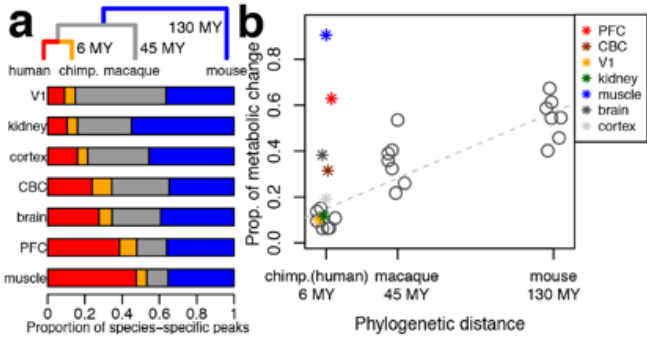
OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹



a) a phylogenetic tree showing the human (red) and chimpanzee (orange) evolutionary lineages, the lineage connecting the common ancestor of humans and chimpanzees with macaques (grey), and the lineage connecting the common ancestor of humans, chimpanzees, and macaques with mice (blue). Below the proportions of metabolite peaks with concentration changes specific to the corresponding lineages in the same color code than the three.

b) Relationship between species-specific metabolite concentration divergence in each tissue and the corresponding phylogenetic distances in million years (MY). The linear regression between metabolite concentration divergence and phylogenetic distances represented by the dashed line was calculated based on the proportions of metabolite peaks with significant concentration divergence on the corresponding lineage for the three nonhuman species (represented by circles). Asterisks colored according to the tissues show the proportions of metabolite peaks with significant concentration divergence on the human lineage relative to the chimpanzee lineage¹¹.

The human brain represents only about 2% of the body weight, and takes up about 20% of the total energy consumption of the body, even when not thinking¹². An evolutionary increase in brain size of hominids began around 1.8 million years ago along with the taming of fire, coincidentally, while the two most significant achievements of humanity are language (brain power) and the use of fire. Fire control allowed humans to stay warm, cook food, ward off predators, venture into harsh climates, encouraged groups of people to gather together and stay up late, and impacted the evolution of human intelligence. Changes in chemical properties of “easier to digest cooked food” save energy that can be utilized to change and evolve various parts of the body, and may have contributed to the evolutionary increase in brain size over time. This dietary change may have begun with the taming of fire¹³ evidenced by charred animal bones and ashes of plants from South Africa’s Wonderwerk Cave, a site of human and early hominin habitation

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanisad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

for 2 million years¹⁴. However, it should be noted that birds also tamed the fire and learned to propagate fire by transporting embers to catch prey¹⁵.

It is estimated that around 12,000 years ago agriculture began triggering a change in the way people lived from the nomadic hunter-gatherer lifestyles to permanent settlements with reliable food supply, resulting in the growth of city-based civilizations and the global population increased from some five million people to more than seven billion today in the span of about 10,000 years¹⁶. Fuel for the brain is readily available from grains, rather than from meat, and accordingly, agriculture of grains such as rice, wheat, and corn may have provided high energy in the form of glucose needed for the human brain to evolve¹⁷. However, agriculture proved to be a double-edged sword for the modern human being. Genomic analysis of ancient human remains identifies specific genes that changed during and after the transition in Europe from hunting and gathering to farming about 8,500 years ago, many of which are associated with height, immunity, lactose digestion, light skin pigmentation, blue eye color and celiac disease risk¹⁸.

More efficient utilization of resources is a widespread mark of long-lived animals such as birds and bats, both enjoying the flight, an extremely energy costly requiring them to maintain a fast metabolism based on a large consumption of energy - glucose. The maximum lifespan of orangutans (58.7 years) and gorillas (54 years) is similar to that of our closest relatives, bonobos and chimpanzees, whereas the maximum human lifespan varies from 85 years in foraging groups such as the Aché in Paraguay and Kung bushmen, to more than 100 years in savannah-dwelling farmers in West Africa, and 122 years in the industrial world¹⁹. However, fire usage implied regular exposure to hazardous compounds from smoke and cooked food. The gut microbes are a defense against the toxicity of cooked Maillard compounds²⁰,

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stopped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarao Vepachedu¹

letting specific metabolites to reach the blood stream. Positive selection of metabolic functions allowed the body of hominins who tamed fire to use and dispose of these age-related compounds²¹.

“A species able to magnify its entropy effect in nature by orders of magnitude, as the genus Homo has done through mastery of fire and the splitting of the atom, would need to be a perfectly wise and controlled species, lest its invention gets out of hand²².”

REFERENCES AND NOTES

¹ Cosmology and the human person <http://unesdoc.unesco.org/images/0022/002284/228411E.pdf>

The hymn of Rigveda X, 129. Veda Vyasa, who wrote down the Rigveda, provides a deep insight into the mystery of being. Rigveda 10th Mandala 129 sukta: <https://www.youtube.com/watch?v=nN5xgf9gFeo>;
<https://www.youtube.com/watch?v=88zA8Rz4s90>

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

We alone shine!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारवु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

नासदासीन नो सदासीत तदानीं नासीद् राजो नो व्योमापरो यत् ।
किमावरीवः कुह कस्य शर्मन्नम्भः किमासीद् गहनं गभीरम् ॥
न मर्त्युरासीदम्भं न तर्हि न रात्र्या अह्ना आसीत्प्रकेतः ।
आनीदवात् सवधया तदेकं तस्माद्धान्यन न परः किं चनास ॥
तम आसीत् तमसा गूळमग्नेः अप्रकेतं सलिलं सर्वमािदम् ।
तुच्येनाभ्वपिहितं यदासीत् तपसस्तन्महिनाजायतैकम् ॥
कामस्तदग्ने समवर्तताधि मनसो रेतः परथमं यदासीत् ।
सतो बन्धुमसति निरविन्दन हृदि परतीष्याकवयो मनीषा ॥
तिरश्चीनो विततो रश्मिरेषामधः सविदासी अ अ अत ।
रेतोधासन महिमान आसन सवधा अवस्तात् परयतिः परस्तात् ॥
को अद्वा वेद क इह पर वोचत कुत आजाता कुत इयंविस्मिष्टः
अर्वाग देवा अस्य विसर्जनेनाथा को वेद यताबभूव ॥
इयं विस्मिष्ट्यत आबभूव यदि वा दधे यदि वा न ।
यो अस्याध्यक्षः परमं वयोमन सो अङ्ग वेद यदि वा नवेद ।

nāsadāsīn no sadāsīt tadānīm nāsīd rajo no vyomāparo yat |
kimāvarīvaḥ kuha kasya śarmannambhaḥ kimāsīd ghahanaṃ ghabhīram ||
na mṛtyurāsīdamṛtaṃ na tarhi na rātryā ahna āsītpaketah |
ānīdavātaṃ svadhayā tadekaṃ tasmāddhānyan na paraḥ kiṃ canāsa ||
tama āsīt tamasā ghūḷamaghre.apraketaṃ salilam sarvamāidam |
tuchyenābhvapihitaṃ yadāsīt tapasastanmahinājāyataikam ||
kāmastadagne samavartatādhi manaso retas parathamam yadāsīt |
satobandhumasati niravindana hr̥di paratīṣyākavayo manīṣā ||
tirashchīno vitatō rashmirēṣāmadhah savitadāsī a a ata |
retōdhasana mahimāna āsana savadhā avastāt parayatiḥ parastāt ||
kō advā vedah ka ihah para vōchata kuta ājāta kuta iyamvismiṣṭah |
arvāga devā asya visarjane nāthā kō vedah yatabbhūvah ||
iyam vismiṣṭyata ābhūvah yadi vā dadhe yadi vā nah |
yō asyādyakṣah paramam vāyōmana sō aṅga vedah yadi vā navedah |

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/Svasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

kāmastadaghre samavartatādhi manaso retaḥ prathamam yadāsīt |
sato bandhumasati niravindan hṛdi pratīṣyākavayo manīṣā ||
tiraścīno vitato raśmireṣāmadhaḥ svidāsī.a.a.at |
retodhāsan mahimāna āsan svadhā avastāt prayatiḥ parastāt ||
ko addhā veda ka iha pra vocat kuta ājātā kuta iyaṃvisrṣṭiḥ |
arvāgh devā asya visarjanenāthā ko veda yataābabhūva ||
iyaṃ visrṣṭiryata ābabhūva yadi vā dadhe yadi vā na |
yo asyādhyakṣaḥ parame vyoman so aṅgha veda yadi vā naveda ||

The Creation in Rig Veda 10:129 The Paradox of Origin

1. [The Creation in Rig Veda 10:129](#)
2. [Max Müller's Translation of Rig Veda 10:129](#)
3. [H. H. Wilson's Translation of Rig Veda 10:129](#)
4. [R. T. H. Griffith's Translation of Rig Veda 10:129](#) (*Rig Veda*, tr. by Ralph T.H. Griffith, [1896], at [sacred-texts.com](#))
5. [A. A. Macdonell's Translation of Rig Veda 10:129](#)
6. [A. L. Basham's Translation of Rig Veda 10:129](#)
7. [Wendy Doniger O'Flaherty's Translation of Rig Veda 10:129](#)
8. [Joel P. Brereton's Translation of Rig Veda 10:129](#)
9. [The English Versions of Rig Veda 10:129](#)
10. [Table of Seven English Versions of Rig Veda 10:129](#)
11. [A Synthesized Version of Rig Veda 10:129](#)
12. [Conclusions about Rig Veda 10:129](#)

Negation in Sanskrit: Rig Veda X,129 http://www.pacitti.org/books_00199102.htm

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹



Philosophy manual: a South-South perspective

- ² PHILOSOPHY, A SCHOOL OF FREEDOM <http://unesdoc.unesco.org/images/0015/001541/154173e.pdf>
- ³ PROCLAMATION OF A WORLD PHILOSOPHY DAY <http://unesdoc.unesco.org/images/0014/001402/140277E.pdf>;
<https://en.unesco.org/commemorations/philosophyday>;
Program: <http://unesdoc.unesco.org/images/0026/002660/266094e.pdf>
- ⁴ World Philosophy Day - A Night of Philosophy <https://en.unesco.org/events/world-philosophy-day-night-philosophy>;
Program: <http://unesdoc.unesco.org/images/0026/002661/266126M.pdf>
- ⁵ The Sacred Fire and Agni: Our Ancient Global Fire Religion, American Institute of Vedic Studies <https://www.vedanet.com/the-sacred-fire-and-agni/>;
- ⁶ Brahmins <http://www.vepachedu.org/manasanskriti/Brahmins.html>
- ⁷ The Significance of a Yagna in Hindu Religion <https://www.speakingtree.in/allslides/the-significance-of-a-yagna-in-hindu-religion>
Scientific reasons behind the Hindu ritual 'Yagya' <https://www.speakingtree.in/allslides/scientific-aspects-of-yagya-the-holy-fire-ritual>
Wealthy Indians revive ancient fire ritual <http://www.washingtonpost.com/wp-dyn/content/article/2011/01/25/AR2011012502071.html>
- ⁸ Brahmin Motto:
|| Lokaha Samastaha Sukhino Bhavanthu || (May the whole world be happy)
|| Sarve Jana Sukhino Bhavanthu || (May all people be happy)
|| Sarva Jeeva Janthu Sukhino Bhavanthu || (May all beings be happy) <http://www.vepachedu.org/manasanskriti/Brahmins.html>
- ⁹ Evolutionary Adaptations to Dietary Changes <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4163920/>

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
—Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
—Rig Veda, vii, 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI) हमारी संस्कृति (HAMAAREE SANSKRITI) OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

¹⁰ Id.

Diet and the evolution of the earliest human ancestors. Proc. Natl. Acad. Sci. USA. 97:13506–13511 (2000); The feeding biomechanics and dietary ecology of Australopithecus africanus, Proc. Natl. Acad. Sci. USA; 106:2124–2129 (2009).

¹¹ Bozek et al., Exceptional Evolutionary Divergence of Human Muscle and Brain Metabolomes Parallels Human Cognitive and Physical Uniqueness, PLoS Biology, 12 (5) e1001871. DOI: <http://dx.doi.org/10.1371/journal.pbio.1001871> (2014). Muscle vs. Brain: perhaps a matter of energy expenditure <https://mappingignorance.org/2015/02/13/muscle-vs-brain-perhaps-matter-energy-expenditure/>

¹² In the average adult human, the brain represents about 2% of the body weight. Remarkably, despite its relatively small size, the brain accounts for about 20% of the oxygen and, hence, calories consumed by the body The metabolic activity of the brain is remarkably constant over time. This ongoing metabolic activity consists largely of the oxidation of glucose to carbon dioxide and water resulting in the production of large amounts of energy in the form of ATP. This high metabolic activity is present when we are completely passive and resting as well as when we are observably doing something. **Appraising the brain's energy budget** <http://www.pnas.org/content/99/16/10237>

Why Does the Brain Need So Much Power? <https://www.scientificamerican.com/article/why-does-the-brain-need-s/>; Contribution of structural brain phenotypes to the variance in resting energy expenditure in healthy Caucasian subjects <https://www.physiology.org/doi/abs/10.1152/jappphysiol.00690.2017>; Quantitative imaging of energy expenditure in human brain <https://experts.umn.edu/en/publications/quantitative-imaging-of-energy-expenditure-in-human-brain>; Humans are the highest energy apes, making us smarter—but also fatter <https://www.sciencemag.org/news/2016/05/humans-are-highest-energy-apes-making-us-smarter-also-fatter> humans are the Energizer Bunnies of the primate world ;

¹³Human Ancestors Tamed Fire Earlier Than Thought <https://www.history.com/news/human-ancestors-tamed-fire-earlier-than-thought>; The taming of fire was a turning point in prehistory. When and where did it begin? <https://www.bu.edu/anthrop/files/2013/04/Berna-Statement.pdf>; Earliest fire sheds light on hominids <https://www.nature.com/news/2004/040426/full/040426-16.html>

The taming of fire <http://feuerladen.com/en/info/the-taming-of-fire.html>; Taming of the Fire -- the first Soviet motion picture concerning the Road to Space. <http://www.astronautix.com/t/tamingthefire.html>

¹⁴ Evidence from the Swartkrans cave for the earliest use of fire. Nature. 1988; 336:464–466 <https://www.nature.com/articles/336464a0>;

Humans Tamed Fire by 1 Million Years Ago <https://blogs.scientificamerican.com/observations/humans-tamed-fire-by-one-million-years-ago/>

Why Fire Makes Us Human <https://www.smithsonianmag.com/science-nature/why-fire-makes-us-human-72989884/>

Wrangham, Catching Fire: How Cooking Made Us Human, New York: Basic Books (2009).

https://archive.org/details/pdfy-DDoNCJJ_Wt0qOH7e

Speaker Series lecture by Dr. Richard Wrangham, Professor at Harvard University and co-director of the Kibale Chimpanzee Project,

<https://youtu.be/69ckWLRvVhg>

What Made Us Human: Analysis of Richard Wrangham's Cooking Hypothesis https://soar.wichita.edu/bitstream/handle/10057/3896/LAJ_2010_21-26.pdf;sequence=1

Evolution by Fire <https://harvardmagazine.com/2009/11/cooking-and-human-evolution>

Issue 251

5118 కలి కాలము/Kali Era | 2074 ఏకవీర్య కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
-Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stopped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI) हमारी संस्कृति (HAMAAREE SANSKRITI) OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

I Cook, Therefore I Am <https://slate.com/human-interest/2009/06/richard-wrangham-s-catching-fire.html>
Book Review — Catching Fire, by Richard Wrangham <https://savageminds.org/2010/11/23/book-review-catching-fire-by-richard-wrangham/>
How the Scientific Method Works <https://science.howstuffworks.com/innovation/scientific-experiments/scientific-method6.htm>
How the introduction of farming changed the human genome <https://www.sciencedaily.com/releases/2015/11/151123202631.htm>
¹⁵ Bonta et al., Intentional fire-spreading by “Firehawk” raptors in Northern Australia. J Ethnobiol 37: 700–718 (2017).
¹⁶ The Development of Agriculture <https://genographic.nationalgeographic.com/development-of-agriculture/>
New research reveals effects of the Agricultural Revolution on human evolution <https://www.wsws.org/en/articles/2016/01/15/agri-j15.html>
Ancient DNA shows Stone Age humans evolved quickly as they took up farming https://www.washingtonpost.com/news/speaking-of-science/wp/2015/11/23/ancient-dna-shows-stone-age-humans-evolved-quickly-as-they-took-up-farming/?utm_term=.ed40db4f4b85
Genome-wide patterns of selection in 230 ancient Eurasians
https://www.nature.com/articles/nature16152.epdf?referrer_access_token=8kwoMVcEKx6r2KyhI21edRgN0jAjWel9jnR3ZoTv0MnVrBcbOUxeDwMEyOFwmvxMkamzLL-3-6Vp5tFbhIPUV_-9fSVvhhOn3ISyWjj_sFaWkqnc-ZM48ppRNsFBqKrEziARM3DEJQNYIukTJuzhWZYyeoiA9ms1BVz5LMAMhuFzs6M0nJZ-gFWfgajSNQX_3qtm-zWMCWFwXF3rP-Y5zR7o0BSaPgsA2aw_nsRRILsn1wx5kuxqccCtmJLbuzMlzuB_cQuoWEVtZewR36E1ZlBmKLPic24hLO4GXZuSVDcBnT8x1YHdhBsqrUgEfhJpPpYIQCOIFAzYtEYfblV_thgK7TQkN6y1cxNcii7TjwRnpBViZuCgbX3m1QFbA&tracking_referrer=www.washingtonpost.com
The Worst Mistake in the History of the Human Race <http://discovermagazine.com/1987/may/02-the-worst-mistake-in-the-history-of-the-human-race> The advent of agriculture was a watershed moment for the human race. It may also have been our greatest blunder.
About 11,000 years ago, people in the Middle East began growing plants for food rather than relying entirely on the wild plants and animals they could gather or hunt (Evolution in Agriculture: The Domestication of Wheat <http://www.nas.edu/evolution/EvolutioninAgriculture.html>). By then Indians have already waged the first world war in Kurukshetra, drawing from established civilized states such as Gandhar (Afghanistan) in the west of the Indus to Andhra in the southeast of Indus, according to ancient Indian writings in Sanskrit such as Rigveda.
The eco-evolutionary impacts of domestication and agricultural practices on wild species <http://rstb.royalsocietypublishing.org/content/372/1712/20160033>
Agriculture is a dominant evolutionary force that drives the evolution of both domesticated and wild species.
<http://rstb.royalsocietypublishing.org/content/royptb/372/1712/20160033.full.pdf>
¹⁷ Aiello and Wheeler, The Expensive-Tissue Hypothesis: The Brain and the Digestive System in Human and Primate Evolution, Current Anthropology, Vol. 36, No. 2, pp. 199-221 (April 1995) https://courses.edx.org/asset-v1:WellesleyX+ANTH207x_2+2T2015+type@asset+block/Aiello95_expensivetissue_.pdf

Issue 251

5118 కలి కాలము/Kali Era | 2074 ఏకవార్షిక కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
 Thou dazzling fount of life-persuasive light!
 Sublimest mystery speeding from afar!
 Swift became that burst too potent on the sight!
 This radiant type of strength and youth!
 Glowing eternal.



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
 Stepping forth he rises from the lap of the dawn!
 Praised by singers, my God Savitar!
 Stopped forth and never missed his place!
 He steps forth the splendor of the sky the wide!
 Seeing, far-shining, the shining wanderer!
 -Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

We alone shine!
 All luminaries get illuminated by His Illumination!
 The whole Universe is enlightened by His light!
 -Kathopanishad

మన సంస్కృతి (MANA SANSKRITI) हमारी संस्कृति (HAMAAREE SANSKRITI) OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

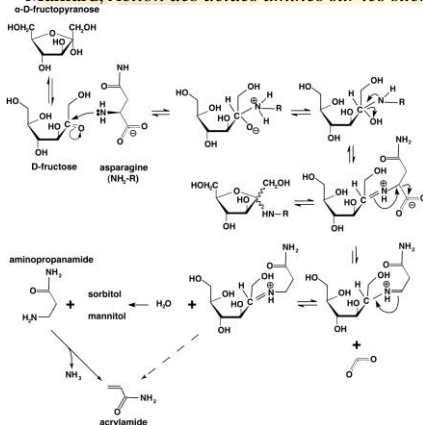
ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarac Vepachedu¹

Diet provides a major part of the answer. In 1995 Leslie Aiello and Peter Wheeler proposed that the reason some animals have evolved big brains is that they have small guts, and small guts are made possible by a high-quality diet. Aiello and Wheeler's head-spinning idea came from the realization that brains are exceptionally greedy for glucose—in other words, for energy. For an inactive person, every fifth meal is eaten solely to power the brain. Literally, our brains use around 20 percent of our basal metabolic rate—our energy budget when we are resting—even though they make up only about 2.5 percent of our body weight. Because human brains are so large, this proportion of energy expenditure is higher than it is in other animals: primates on average use about 13 percent of their basal metabolic rate on their brains, and most other mammals use less again, around 8 percent to 10 percent. As expected from the importance of maintaining energy flow to our many brain cells (neurons), genes that are responsible for energy metabolism show increased expression in the brains of humans compared to the brains of nonhuman primates. The high rate of energy flow is vital because our neurons need to keep firing whether we are awake or asleep. Even a brief interruption in the flow of oxygen or glucose causes neuron activity to stop, leading rapidly to death. The constant energy demand of brain cells continues even when times are tough, such as when food is scarce or an infection is raging. The first requirement for evolving a big brain is the ability to fuel it, and to do so reliably.

- ¹⁸ How the introduction of farming changed the human genome <https://www.sciencedaily.com/releases/2015/11/151123202631.htm>
¹⁹ Robine et al., Fire usage and ancient hominin detoxification genes: protective ancestral variants dominate while additional derived risk variants appear in modern man. PLoS One 11: e0161102 (1998); Robson et al., Hominin life history: reconstruction and evolution. J Anat 212: 394–425 (2008); Bacteria in the ageing gut: did the taming of fire promote a long human lifespan? <https://onlinelibrary.wiley.com/doi/full/10.1111/1462-2920.14255>
²⁰ Maillard, Action des acides aminés sur les sucres; formation de melanoidines par voie méthodique. C R Hebd Séances Acad Sci 154: 66–68 (1912).



Issue 251 5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era
 స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,
 మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month
 Publication Date 1 DECEMBER 2018

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternal.

We alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
- Kathopanishad



శ్రీ వేపచేడు విద్యా పీఠము

May the golden-eyed Savitar come hither!
Steering forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
- Rig Veda. vii. 65

VEPACHEDU EDUCATIONAL FOUNDATION

మన సంస్కృతి (MANA SANSKRITI)

हमारी संस्कृति (HAMAAREE SANSKRITI)

OUR CULTURE

Home	The Foundation	Management	The Andhra Journal of Industrial News	The Telangana Science Journal	Mana Sanskriti (Our Culture)
Vegetarian Links	Disclaimer	Solicitation	Contact	VPC	Vedah-Net

ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यं भर्गो देवस्य धीमहि धियो यो नः प्रचोदयात्॥

Issue 251

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేడు | डॉक्टर श्रीनिवासरारु वेपचेडु | Dr. Sreenivasarao Vepachedu¹

²¹ Bacteria in the ageing gut: did the taming of fire promote a long human lifespan? <https://onlinelibrary.wiley.com/doi/full/10.1111/1462-2920.14255>

²² Human global domination began with fire, not factories or farms <https://theconversation.com/human-global-domination-began-with-fire-not-factories-or-farms-20317>

Evolution of the Atmosphere, Fire and the Anthropocene Climate Event Horizon <https://www.springer.com/us/book/9789400773318>

Unique among all creatures, further to the increase in its cranial volume from Australopithecus to Homo sapiens, the use of tools and cultural and scientific creativity, the genus Homo is distinguished by the mastery of fire, which since about two million years ago has become its blueprint. Through the Holocene and culminating in the Anthropocene, the burning of much of the terrestrial vegetation, excavation and combustion of fossil carbon from up to 420 million years-old biospheres, are leading to a global oxidation event on a geological scale, a rise in entropy in nature and the sixth mass extinction of species.

Sir Martin Rees examines our planet and its future from a cosmic perspective https://www.ted.com/talks/martin_rees_asks_is_this_our_final_century

Researchers Analyze the Evolving Human Relationship with Fire <http://www.news.ucsb.edu/2011/013109/researchers-analyze-evolving-human-relationship-fire>

Issue 251

5118 కలి కాలము/Kali Era | 2074 విక్రమార్క కాలము/Vikramarka Era | 1938 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విలంబి నామ సంవత్సరము/स्वस्ति श्री विलम्बी नाम संवत्सर/Swasti Sri Vilambi Year,

మార్గశిర మాసము / मार्गशिर महीन/ MARGASIRA Month

Publication Date 1 DECEMBER 2018

Copyright ©1998-2018

Vepachedu Educational Foundation, Inc

ॐ असतो मा सद्गमय | तमसो मा ज्योतिर्गमय | मृत्योर्मा अमृतं गमय | ॐ शान्तिः शान्तिः शान्तिः ॥