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## **FLAMMA**

INC.

#### ASSOCIATION FOR ADVANCEMENT OF CULTURE

FLAMMA, Inc., Association for Advancement of Culture, in enlisting co-workers and establishing centers in the various states, sounds a timely call to action in the cause of cultural progress. Co-operating with individuals and groups throughout the world, Flamma is dedicated to the enhancement of cultural life everywhere.

This new movement issues from the realization that in many hearts there burns a sacred flame, each nurtured by the same universal Fire; and that these hearts must find each other and unite, speaking the common language of the future.

The two guiding spirits of Flamma, Mme. Helena Roerich its Protector and Prof. Nicholas Roerich its Honorary President, have pointed out that co-operation in striving toward beauty and knowledge is at present an absolute necessity for the very salvation of humanity. Prof. Roerich, world-renowned artist, writes: "In the present difficult hour, at a time of utmost world tension, the possibility is offered of uniting upon the noble, unifying concept of Culture, which is the testing stone of inexhaustible youthfulness of the heart."

Recognizing that the world peace problem must be solved by the positive method of cultural co-operation rather than through the intricacies of military treaties, Flamma, as one of its aims, endorses and promulgates the Roerich Pact and Banner of Peace, which has been officially signed and adopted by the 21 countries of the Pan-American Union, including the United States, and is now open to ratification by all the nations of the world.

The scope of activities of Flamma broadly includes the fostering of scientific study and research; the cultivation of art appreciation through the arranging of exhibitions of old and modern masters; and the stimulation of creative endeavor through the promotion of exchange of works of art and the publication and exchange of literature.

In sending its appeal to numerous hearts imbued with the same spirit of service to humanity, Flamma offers the noble thought of its Honorary President, Nicholas Roerich:

"Our heartiest wish is not only to attract co-workers to our activities, but to give them the full possibility to become fellow-creators, fellow-builders of the new steps of Culture."

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Almost everyone is on vigil in this critical Spring of 1939.

Let us hope that a greater number are anxious about the destiny of humanity and that fewer are concerned only with their personal fate. At least all thinking persons know that the moment has arrived when isolation is as impossible for the individual as for the nation.

Boundaries and treaties are being obliterated with the same incredible speed. (Our ponderous old "balance of power" is reeling like humpty dumpty on the wall. But whereas for ages history has been made in slow stages with only a few statesmen aware of the reasons for changes as they occurred, at present such happenings are so promptly and thoroughly described and analyzed in papers, movies, and by radio that it is almost impossible to remain unaware of their significance. The world has shrunk within a few months to the size of one's own backyard. We are "all in the same boat" in many respects.

The entire world structure is toppling-the economic and the political together-and only the very ignorant and thoughtless can maintain the illusion that they will be unaffected. In so-called modern society, the individual's striving for independence has created a "Frankenstein" of interdependence.

Then what does it mean to be "on vigil"? It means to be aware of the impending collapse of all that has been established and built up by force and cruel selfishness. This is not the time to emulate the ostrich. We must recognize and accept interdependence, and perceive therein not a monster but a saviour. In other words we must stop trying to save each our own skin at the expense of everyone's else, and learn to cooperate. It is time to make friends--for as members of the human race we must unite or fall.

A victory won by aggression, injustice, imposition, cruel force, is always temporary. Love is the only infinite, irresistible, eternal force and it can win a permanent victory. Once we admit that there is a Divine Plan and a reason to exist, we soon realize that humanity's

on Vigil .

Nothing could be more timle at present than to quote the following invocations for Peace from Prof. Nicholas Roerich's writings:

3 23

(here follows "PEACE UNTO THE WHOLE WORLD"

from Prabuddha Bharata April 1935

from

"Would it not appear....

evident changed for so.

real changed for inner

a great scoundrel - a servitor of vulgarity" finished on spirit exists" - )

On this platform of "Peace unto the Whole World" we stand and nothing can turn us away from this, the only salutary, beautiful Path .

"FLAMMA"

Liberty, Indiana, U.S.A.

# The Robrich Centre of Art & Culture Allahabad.

The Municipal Museum of Allahabad in 1933 dedicated a special Hall to the paintings of Nicholas Roerich and on February 12,1934 the Rt.Hon. Sir Tej Bahadur Sapru presided over the opening celebrations. Administration the Manifestal Museum and R.C. Tandan, M.A., LL.B. delivered a lecture which was later on published in form of a monograph in English, Hindi and Urdu. At first the Roerich Hall contained the following 10 paintings of the Master: "Holy Shepherd", "Shambale Daik", "Light conquers darkness", "The Arhat", "Sharugen Monastery", "Vyasakund", The Abode of the Spirit", "Narsingh and Guga Chohan, the Protectors of Kulu Valley", "Maitreya" and "She, who leads", and a series of coloured reproductions. At the same time The Roerich Centre of Art and Culture came into being, of which Rai Bahadur Pandit Braj Mohan Vyas and Ram Chandra Tandan became Joint-Secretaries. A Library was also founded in connection with the Centre.

The Roerich Hall gradually was enriched with further paintings:
"The Sacred Himalayas", "Himalayan Summits" and "Ecstasy" and after the
Government Exhibition in Lucknow in the beginning of 1937 six more
were added: "Himalayas", "Lahul", "Kardong", Ladakh", "Himalayas", "Ancient
Novgorod, Russia", As well as Mr. Svetoslav Roerich's painting "Thakur's
Castle, Gundla". To Gommemorate the Golden Jubilee of Prof. Nicholas Roerich,
in the autum of 1937 Mr. Svetoslav Roerich donated a portrait of his Father
to the Roerich Hall.

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Together with the development of the Roerich Hall, the Roerich Centre of Art & Culture also grew. Series of exhibitions of eminent artists were organized under its auspices: of the art of Vijaivargiya, Amrita Sher-Gil, Anagarika Govinda and E.H.& A.B.Brewster. Nine monographs dedicated to the art of the mentioned artists and to Asir Kumar Haldar were published during the last years and series of further exhibitions and publications have been planned.

#### ROBRICHANA

By Prof. Amiya Chakravarty.

Nicholas Roerich's name has become a tradition: it is a name which indicates a pervasive way of mind, in art, literature, and in the realm of meditation. When a personality becomes the centre and the symbol for a philosophy of life, and draws around it kindred spirits from all the world over, the reviewer must stand aside and merely direct others to testimonies that record direct experiences initiated.

"Zelta Gramata" is a record of such testimonies; it contains a harvest of appreciation from scholars, artists, critics and from other distinguished men of many countries and continents. The wealth of friendly tributes collected "in dedication of fifty years of creative activity of Nicholas Roerich", is further enhanced by association with the First Baltic Congress of Roerich Societies held in Riga on October 10th, 1937. Then again, there is the wholly unexpected joy of finding several reproductions in colour from the paintings of Roerich himself; this graceful volume takes you from pages of thought to visions of entrancing loveliness.

Having myself made the pilgrimage to the mountain on which <u>Urusvati</u> is built, I can recommend Conlan's book with particular warmth of gratitude. With much knowledge and spiritual sensitiveness the author introduces you to "A Master of the Mountains", and succeeds in the difficult task of interpreting the many-sided unity of Roerich's genius. The formative period of a mind destined to move men is always of surpassing interest and yet it is often denied insightful study: this short account, however, manages to give a very satisfying glimpse into Roerich's early period. We are told of Roerich's excavating zeal, when at the age of fourteen he began digging up some tumuli on his father's estate near—as it was then—st.Petersbourg. His preoccupation with the Past and early observations on remote Neolothic consciousness, and on various aspects of "primitive" mind and culture are of unique interest. After this it is

not difficult to understand that Roerich inspired one of the greatest of modern composers - Stravinsky - to produce that landmark of music "Le Sacre du Printemps" (Rixx The Rite of Spring) in which a panoramic parallel to some of Roerich's great Tibetan pictures can be found. Mysterious figures move with flute and drum and cymbal; in different media the coloured clouds, witnessing mountains, vast silences and zones of feeling are set against an inward glow. Roerich having struck upon tangible Eastern mysticism has drawn from living sources in a manner denied to Stravinsky. But that is by the way. Scriabine's music, the author thinks, is nearer to Roerich's art, and there are affinities as one would expect, with a whole realm of creative spirits. Conlan shows Roerich in the context of a questing culture - and this is important - a rich European urge, which thriving on indigenous roots contacted varied tendencies and threw up the Russian Ballet, Diaghilew; the arts of Matisse and Picasso; .. ... Roerich's paintings. A friend of Gorky (both of them were spiritually allied to the great drive of new Societ civilization) Roerich combines Russian culture with something intrinsically Eastern - or is it a case of essential continuity? - and the road of fate leads to such canvases as "The Command of Rigden Jyepo" one of the guide-posts in Roerich's art. Readers must make that pilgrimage and I hope some of them will be led, as the reviewer was, to follow the easier path to the Recrich hermitage along the Kulu valley, past Katrain, to the corner of Naggar where the seer sits rapt in reverie facing the everlasting snowy wall of the Himalayas.

By courtesy "Visva-Bharati Quarterly" - founded by Dr.Rabindranath Tagore.

(Review of "Zelta Gramata", published Riga 1938, Rs: 2/- and "Nicholas Rocrich - A Master of the Wountains" - by Barnett D.Conlan, Published by Flamma, Inc.

Rs:1/8/-

THE ROERICH BANNER OF PEACE.

Ву

Colonel A.E.Mahon, D.S.O.

Poem from "Leaves of Moraya's Garden"

Whence dreams are begotten
Where sacrifices are extolled
Where the Invisible Light glorifies labor
Thence come my blessings

In the whispering of leaves In the plash of waves In the murmur of the breeze I am with thee

Amidst the cruel and dark ones Amidst treason of the Spirit Amidst strife and sorrow My shield is over thee

One said -- Love Another said -- Action Thou said -- Beauty

If you desire the gates to be opened, pronounce my sign. I said Beauty in combat and victory
I said Beauty and Failure was covered by beauty
And you must open the way for the Flowers of Beauty
Let the children approach and bow before him who
brought Beauty to the great universe

Oh Lord, of the Wisdom of heavenly gates
Erect thy throne upon the topmost mountain
Thence thou shalt better see the fear and
dole of the human hearts
Oh Lord, named the Compassionate
Behold thy sons engulfed in human darkness—
DARKNESS, darkness, darkness
Light, Light, LIGHT
Without the darkness there would be no light
For only in darkness may we behold the light
But where abideth he, the Lord
There is not light, nor darkness
All Is One
Mystery of Mysteries
Holy of Holies

Are we going to admit that after trying for almost 2,000 years we have failed to build a civilization in which it is possible to accept and follow this divine precept?

The process of evolution requires the constant elevation of the general level of human consciousness, yet in our "Modern Age" we seem to be moving speedily in the opposite direction. Simple observation teaches that for the most part people copy each other. Therefore, either the wrong ones have inspired emulation or it there has been a dearth of exemplemary characters. Perhaps both these evils are now acting against our evolutionary purposes. forces. Without analyzing causes it is as undenigable as it is regretable that too many contemporary humans, particularly among youth of the Western world, look up to football heroes, prize fighters, clever politicians, cruel swindlers, and gangsters, and, while certain men of today in one or another of these categories have achieved tremendous power and influence, a outstanding men and achievements in cultural fields are less prominent if not actually fewer. But, while on one hand it appears that great masses are being plunged rapidly intoqhopeless maelstrom, we must remember that progress is still being made in the peaceful arts and sciences. We have a brilliant example of a more worthy hind of master in the great artists and world leader of culture, Professor Nicholas Roerich, Homerary President of Flamma. Professor Roerichstireless work for Peace through Culture leads us toward the same goal as that Indicated to humanity, 2,000 years ago -- Universal Brotherhood. Is war inevitable? Is the long-prophecied Armageddon threatening? In some parts of the world people are still asking these questions, in the belief that as long as a certain few countries in the world

do not formally declare war, all is well. But actually, military

units are marching against each other - men are shooting each other; war is not inevitable, it is here!

And Armageddon is already raging in the invisible world of causes. Prof. Roerich says that it can be checked and its materialization minimized if humanity wishes, wills and works for it. For this, it is necessary that all cultural forces unite in what Mr. Barnett D. Conlan terms a "Higher War" of Spirit. This is the only way in which the greatly feared second World War can be "nipped in the bud".

This is not the time to sit silent and alone in either fear or hope - this is the time for dounteraction. We must realize that the heritage of each individual coincides with that of the human race. We are told that the Divine Plan provides a very desirable future based upon cooperation instead of hatred. Therefore every individual who is ready to conquer and renounce hatred and to learn to cooperate with his neighbor can survive this crucial moment. Not all men have sanctioned the manufacture of cannon, the horror of war and the establishment and maintenance of rule by force. But many who have not are reluctant to acknowledge that the hour has struck when friends and enemies must at last forever be revealed and distinguished. If one does not hesitate to think, speak and act for peace and construction one will discover many friends and many enemies. But sincerity must prevail; hypocrisy will not escape the Light of the present day. The death kmell is now sounding for the dark forces of ignorance and malice and the New Day will usher in the reign of Beauty and Knowledge.

Thus, all "Higher Warrious" - the people who value culture, strive for it and proclaim its victory by raising the battle banner of Beauty and Knowledge, are mutual friends who will inherit the New Era. Their enemies will destroy each other, and the apparatus of their destruction, the antiquated "modern war" implements and methods will pass out of existence with them.

#1

## Pearls of Wisdom

(From the Teaching of Life.)

Happiness lies in serving the salvation of humanity. Put aside all prejudices and, summoning thy spiritual forces, aid mankind.

"Leaves of Morya's Garden."

It is necessary to manifest a discipline of the Spirit; without it no one can become free. For the slave it will be a prison, but for the free it will be a garden, beautiful and healing.

"Leaves of M's Garden." II.

Unity has been ordained in all Faiths, as the sole stronghold of Success.

Of all creative energies, thought remains supreme. "Agni Yoga."

Aspire towards the Source of Infinity, not as towards a symbol, but as to the manifestation of Eternity, ever creating beauty and building the firmament, "Infinity"

Hierarchy — is the law of world-structure. It is not a threat but the call of the heart and a fiery admonition towards the General Good.

"Hierarchy"

Upon the path to Hierarchy, upon the path of the Great Service, upon the path of Communion, synthesis is the one luminous path of the Heart.

The element of Fire is the most omnipresent, most creative and most life-giving.

"Fiery World"

The non desire to think closes the gates to the future.
"Aum"

The most sacred surrounds the concept of Brotherhood. Greatest joy abides in the realization that there exists a Cooperation of Knowledge.

"Brotherhood"

# Pearls of Wisdom

(From Nicholas Roerich's Writings.)

Messenger, O my Messenger, thou standest and smilest. Dost thou not have a command to heal sorrow through

"Flame in Chalice" p. 69

Amongst horrors, in the midst of the struggles and collisions of the people, the question of knowledge and the question of art are matters of the first importance.

"Adamant" p. 10

Once the Great Akbar drew a line and demanded of Birbal, the Wise, that he shorten the line, without cutting or erasing from either end. Birbal drew a longer line parallel to it and Akbar's line was thereby shortened. Wisdom lies in drawing the longer line.

"Activity", "Paths of Blessing". p. 72

India, we know thy sorrows...We know the depths and finesse of thy thought. We know the great Aum, which leads to inexpressible Heights. We know thy great guiding Spirit. India, we know thy ancient Wisdom!

"Altai Himalaya" p. 29

In the name of beauty and of knowledge, the wall between East and West has vanished.

"Heart of Asia" p. 171

"Await in ardent labour until the messenger of Shambhala shall come to you, amidst constant achievement. Await until the Mighty-voiced shall utter 'Kalagiya'."

"Shambhala, The Resplendent" p. 17

Vigilance and thoughtful attention are the keys to the sealed gates.

"Realm of Light" p. 6

To beautify life, to ennoble and to uplift it, means to dwell in the good. All-understanding and all forgiveness, love and self-denial are generated in the attainment of creativeness.

"Fiery Stronghold" p. 7

## Pearls of Wisdom

Through joy purify the path. While thou art pupils learn to overcome irritability. My pupils must have a sympathetic eye. As through a magnifying glass, behold the good and belittle tenfold the signs of evil, else thou remain as before.

"Leaves of Morya's Garden"

The Teacher gives indications within those limits which are permitted. He uplifts the disciple, cleansing him of the outworn habits. He warns him against treason, superstition and hypocrisy. He tries the disciples, apparently and in secret. The Teacher unbars the gates of the next step with the words: "Rejoice, brother". He may also close them with the words: "Farewell, passer-by". "Agni-Yoga"

There exists only one law, which governs the entire Cosmos—the Higher Will; along this line the evolution of the spirit is created. This law unites all pertaining and manifested units. The striving towards the fulfilment of the Higher Will leads to the sensitiveness of perception. "Hierarchy"

The Teacher can point out the direction, sometimes he can forewarn, but many actions must be performed by the disciples themselves. Moreover, it is necessary to evince these actions voluntarily. In this voluntary striving is contained the self-perfecting. Each infusion of self-interest and fear will sever the salutary link.

People do not comprehend the foundation of the Teaching of Blessed One—the foundation is discipline. Spiritually and physically the monk of the community strove to remain on the path. The first years he endured a severe probation. He was forbidden to kill himself with ascetic practices. But he was ordained to lead the battle by the one origin of the spirit.

"On Eastern Crossroads"

It is difficult for a man to rise without passing through the severe trial of purification. "If the cloth be dirty, however much the dyer might dip it into blue, yellow, red or lilac dye its colour will be ugly and unclear—Why? Because of the dirt in the cloth. If the heart is impure one must expect the same sad result."

"Foundation of Buddhism"

Tz-u, do you look upon me as a man who has studied and retained a mass of various knowledge?—I do, he replied. Am I wrong?—You are wrong, said the Master. All my knowledge is strung on one connecting thread. "Saying of Confucius"

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Lay not up for yourselves treasures upon earth, where moth and rust doth corrupt, and where thieves break through and steal; but lay up for yourselves treasures in heaven, where neither moth nor rust doth corrupt, and where thieves do not break through nor steal.

"New Testament" St. Matthew

He who thinketh upon the Ancient, the Omniscient, the All-Ruler, minuter than the minute, the supporter of all, of form unimaginable, refulgent as the sun beyond the darkness, in the time of forthgoing, with unshaken mind, fixed in devotion, by the power of yoga drawing together his life-breath in the centre of the two eye-brows, he goeth to this Spirit, supreme, divine.

"Bhagavad-Gita"

It is he alone who has the love of humanity at heart, who is capable of grasping thoroughly the idea of a regenerating practical Brotherhood who is entitled to the possession of our secrets. He alone, such a man will never misuse his powers, as there will be no fear that he should turn them to selfish ends.

" Mahatma Letters"

Remember, the chief poison is the poison of irritation and anger and this is a most powerful poison. For with every irritation, we physically create in our nervous system some emanation. "Realm of Light"

Of all the qualifications, Love is the most important, for if it is strong enough in a man, it forces him to acquire all the rest, and all the rest without it would never be sufficient.

" At the Feet of the Master"

Who is wise?—He who learns from everybody. Who is strong?—He who conquers himself. Who is rich?—He who is satisfied with what he has.

"Talmud"

He who doth right, doth it to the advantage of his own soul; and he who doth evil, doth it against the same; for the Lord is not unjust towards his servants. "Al Quran"

Dig deep through the encrusted layers of your own souls till you find the spot which Love hath chosen for its dwelling place—the nesting place of the Infinite. Ah, well I know the tale is trite and old. Too oft hath it failen on unheeding ears. But it is ever new to some sad soul, and when you have found that spot, it will be all things to you, for it holds the Key to the beginning and end of thy travail,—the unspeakable heights and depths of the manifest Universe,—the crown of thine own and all other lives.

"From the Mountain Top"

#2

## Pearls of Wisdom

We send the Light to those who smile at darkness.

"Leaves of Morya's Garden", p. 12.

Each movement of consciousness must be directed to the current of evolution. Each step of life must be considered as inseparable from perfection.

" Agni Yog1", p. 23.

In studying Infinity one should first of all realize the limitlessness of love and devotion.

"Hierarchy", p. 38.

For some everything is definitely an end, but for Our disciples everything is a beginning.

" Heart", p. 25.

"All is pure to the pure", fearlessly ordains the Apostle Paul. He understood the purity and activity of the heart, when it knows only the good and as a magnet attracts around itself only the good. The similarity between heart and magnet is often mentioned, although scientifically it is not yet acknowledged.

"Realm of Light", p. 17.

To him of the Great Illumination came a pupil, seeking a miracle. "After the miracle I shall have faith". The Teacher smiled sadly and revealed to him a great miracle. "Now", exclaimed the pupil, "I am ready to pass through the steps of the Teaching under thy guidance". But the Teacher, pointing to the door, said: "Go! I no longer need you."

"On Eastern Crossroads", p. 29.

Once a pupil asked the Blessed One, "How should one understand the fulfilment of the Covenant regarding the renunciation of property? One disciple renounced all things but his Teacher continued to reproach him for possession. Another remained surrounded by objects but did not merit reproach". - "The feeling of possession is measured not by objects but by thoughts. One may have objects and still not be a possessor".

Foundations of Buddhism", p. 32.

# Pearls of Wisdom.

Therefore, if thou bring thy gift to the altar, and there rememberest that thy brother hath ought against thee, leave there thy gift before the altar and go thy way; first be reconciled to thy brother, and then come and offer thy gift.

St. Matthew, V. 23-24.

Verily there is no purifier in this world like wisdom; he that is perfected in Yoga finds it in the self in due season.

Bhagavad-Gita, IV, 38.

... he who is desirous to learn how to benefit humanity, and believes himself able to read the characters of other people, must begin first of all to learn to know himself, and appreciate his own character at its value...........

The Mahatma Letters.

Because He is Love, you, if you would become one with Him, must be filled with perfect unselfishness and love also.

"At the Feet of the Master". IV.

But the way is not found by devotion alone, by religious contemplation alone, but by ardent progress, by self-sacrificing labour, by studious observation of life. None alone can take the disciple more than one step onwards. All steps are necessary to make up the ladder.

"Light on the Path". 20.

This earth, O ignorant Disciple, is but the dismal entrance leading to the twilight that precedes the valley of true Light — that Light which no wind can extinguish, that Light which burns without a wick or fuel.

"The Voice of The Silence"

Wouldst thou turn thy face away from thine earthly love at the bidding of another? If so, thou art not worthy of that love.

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# Pearls of Wisdom.

No man can serve two masters: for either he will hate the one and love the other; or else he will hold to the one and despise the other. Ye cannot serve God and mammon.

## "The New Testament"

On the day when you shall be sent forth, no hidden thing of yours shall be concealed.

#### "Al Quran"

Cherish peace and seek it always: love all manking and show the path of virtue to your neighbours.

#### "Talmud"

He who beareth no ill will to any being, friendly and compassionate, without attachment and egoism, balance in pleasure and pain, and forgiving, ever content, harmonious with the self controlled, resolute, with mind and Reason dedicated to Me, he, Mu devotee, is dear to Me.

## "Bhagavad Ghita"

We are speaking about the Beattiful because when you will realize this scientific energy, the greatest power which is in each of you, then you shall relbase this energy and the energy will grow.

## "Realm of Light"

It is indeed the will to be one with God, not in order that you may escape from weariness and suffering, but in order that because of your deep love for Him you may act with Him and as He does. Because He is Love, you, if you would

become one with Him, must be filled with perfect unselfishness and love also.

#### "At The Feet of the Master"

Also try to break through that great maya against which occult students, the world over, have always been warned by their teachers - the hankering after phenomena. Like the thirst for drink and opium, it grows with gratification...

#### "Mahatma Letters"

"A chain is only as strong as its weakest link" A human being, an angel, a god, is only as strong as he has
gained power to endure the strass; and that power can
only be gained through suffering.

"From The Mountain Top".

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Lay not up for yourself treasures upon earth, where moth and rust doth corrupt, and where thieves break through and steal; but lay up for yourselves treasures in heaven, where neither moth nor rust doth corrupt, and where thieves do not break through not steal.

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The Sayings of Confucius. Lionel Giles, MA Oxon

(Wisdom of the East. London, John Murray, Albemarle St.W. London)

A man without charity in his heart, what has he to do with ceremonies? A man without charity in his heart -what has he to do with music?

It is the ppirit of charity which makes a locality good to dwell in. He who selects a neighbourhood vithout regard to this quality cannot be considered wise.

The princely man naver for a signle instant quits the path of virtue, in times of storm and stress he remains in it as tast as ever.

The nobler sort of man in his progress through the world has neither narrow predilections nor obstinate antipathies. What he tollows is the line of duty.

Then nobler sort of man is proficient in the knowledge of hhis duty. The inferior man is proficient only in money-making.

The wise man will be slow to speak but quick to act.

The master said: The man of knowledge finds pleasure in the sea, the man of citrue finds pleasure in the mountains. The man of knowledge is restless and the man of vitrue is calm. The man of knowledge is happy, and the man of virtue is long-lived.

Wishing himself to be illuminated, he will illuminate others. To be able to do to others as we would be done by - this is the true domain of moral virtue.

With sincerity and truth unite a desire for self-culture.

Chung Kung inquired as to the eamning of true geodness. The master said: When out of doors, behave as though you were entertaining a distinguished guest. in ruling the people, behave as though you were officiating at a solemn sacrifice. What you would not wish done to yourself, do not do unto others. Then in public as in private life you will excite no ill-will.

Ssu-ma Niu asked for the definition of theprincely man. The Master said: The princely man is one who knows neither grief nor fear. - Abbance of gried and fear! Is this the mark of a princely man? - the Master said: If on searching his heart he fin ds no guilt, why should he grieve? and what of what should he be afraid?

Tzu Chang asked how to attain exalted virtue... The Master said Make conscientiousness and truth your guiding principles and thus pass on to the cultivation of duty to your neighbour. This is exalted virtue.

The Master said: The nobler sort of man emphasis the good qua-

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lities in others and does not accentuate the bad. The inferior sort does the reverse.

Fan Ch'in asked a question about moral virtue. The Master said: In private life, show self-respect; in the magagement of affairs, be attentive and throrough; in your dealings with others, be honest and conscientous. Never abandon these principles, among savages.

Some one asked: How do you regard the principle of returning good for evil? - The Master said: What, then, is to be the return for Good? Rather should return justice for injustice and good for good.

The Master saidL The higher type of man makes a sense of duty the ground work of his character. briends with it in action a sense of harmonious proportion. manifests it in a spirit of unselfishness, and perfects it by the addition of sincerity and truth Then indeed has he a noble character.

The Master said: xxx Surely the maxim of charity is such Do not unto others what you would not they should do unto you.

The nobler sort of amn pays special attention to nine points. He is anxious to see clearly, to hear distinctly, to be kindly in his looks, respectful in his demeanour, conscientious in his speech, earnest in his affairs, when in doubt he is careful to inquire, when in ager, he thinks of the consequences, when offered an opportunity for gain, he thinks only of his duty.

Tzu Chang asked Confucius a question about moral virtue. Confucius repled. Moral virtue simply consists in beinf able anywhere and everywhere to exercise five particular qualities. Asked theese were he said. Self-respect, magnanimity, sincerity, earnestness and benevolence. Shoe slef-respect and other will respect oy, be magnanimous and you will win all hearts, be sincere and men will trust you, be earnest and you will achieve great things, be benevolent and you will be fit to impose your will on others.

KXM Tzu Lu asked: Does not the princely man value courage? The Master said: He puts righteousness first. The man of high station who has courage without righteousness is a menace to the State. the common man who has courage without righteousness is nothing more than a brigand.

At fifteen my mind was bent on learning. At thirty I stood firm. At forty I was free from delusions. At fifty I understood the laws of Providence. At sixty my ears were attentive to the truth. At seventy I could follow the promptings of my he heart withiut overstepping the mean.

The Master said: To learn and to practise on occasion what one has learnt - is this not true pleasure? The co, inf of a friend from a far-off land - is this not true joy?

The Master said: Is virtue then so remote? I have only to show a desire for vitrue, and lo! it is here.

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"On Eastern Crossroads".

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There is exists only one law, which governs the entire Cosmos - the Higher Will; along this line the evolution of the spirit is created. This law unites all pertaining and manifested units. The striving towards the fulfillment of the Higher Will leads to the sensitiveness of perception. "Hierarchy"

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"From the Mountain Top"

And if thy right eye offend thee, pluck it out and cast it from thee: for it is profitable for thee that one of thy members should perish, and not that thy whole body should be cast into hell.

"New Testament" St.Nathbew.

Yoga is hard to attain, methinks, by a self that is uncontrolled; but by the SELF-controlled it is attainable by properly directed energy.

"Bhagavad-Gita".

We work and toil, and allow our chemas to be temporarily deceived, to afford them means never to be deceived hereafter, and to see the whole evil of falsity and untruth, not alone in this but in many of their after lives.

"The Mahatma Letters".

Men who donnot know, work to gain wealth and power, but these are at most for one life only, and therefore unreal. There are greater things than these - things which are real and lasting!

"At the Feet of the Master."

Within you is the light of the world - the only light that can be shed upon the Path. If you are unable to perceive it within you, it is useless to look for it elsewhere.

"Light on the Path".

Saith the Great Law: "In order to become the Knower of All Self, thoughappelirst of Self to be the knower."

## "The Voice of the Silence".

There is no other Path, no other way to find the true self, save through effort and suffering. It is the strain, the stress, the exercise of power, that gives the final victory.

"From the Mountain Top".

base of which the disciples built an entire thought.

Thereis no wiser test of the condition of consciousness.

"On Eastern Crossroads".

Among the disciples there were some who preferred the solitary life. About these who isolated themselves too greatly, Buddha said: "A solitary life in the forests is useful to him who pursues it, but of little help to the welfare of men".

"Foundations of Buddhism".

Ford.

# PEARLS of Wisdom.

Love can create universes. Love and Wisdom are one. "Leaves of Morya's Garden".

Where shal one direct one's consciousness? Verily y to the true Infinite. Therefore it means that it is time to pass from the coarse layers of matter to the research into most subtle energies.

"Agni Yoga", p.

Every one on the way to Us must strive to creativeness, consciously directing his perception.

"Hierarchy"

Command thy heart to come as close as possible to the Teacher. If words are necessary for the affirmation of the Teacher, begin to converse with the Teacher as though he were besides you. It is not necessary to expect an asnwer from the Teacher only in the usual words, The answer may be in numerous signs apparent as we well as remote.

"Heart"

Intolerance is ignorance. And having dispersed essential ignorance with science, we may feel that science and art are one.

"Realm of Light".

And one should not forget the favorite pastime if Buddha with His disciples during moments of rest. The Teacher cast into space one word, on the

from are mustaken, bog! there is no avel, The great one could will pereale will But there is interfection and it is just as dangerous as that Which show callest evil. Flame a Charlese, Micheles Marie p. 29 Collisons of the prefle. The greation of know-ledge and the question of art are makers of the first in polance. adamant, Web le, p. 10 Once the Great aleban ares a line & domanded of Birbal the croe, that he shorton the line Parkout outing or crasing from either dide. I laker dreit a longer line parallet to It and arelay live was thereby therebened Wisdow lies in drawing the longer line. Out it can we known are the effective security nowaday the wandend of bury NH 1.72 Description

Happiness lies in serving the salvation of narraine. Put aside all prejudices and, summoning the spiritual forces, aid mantkind.

"Leaves of Morya's Garden", p.10.

It is necessary to manifest a discipline of the Spirit; without it no one can become free. For the slave it will be a prison, but for the free it will be garden, beautiful and healing.

"Leaves of M's Garden" II.p.9.

Unity has been ordained in all Faiths, as the sole stronghold of success. "Community", (4).

Of all creative energies, thought remains supreme.

"Agni Yoga" (19). ->

Aspire towards the Source of Infinity, not as towards a symbol, but as to the manifestation of Eternity, ever creating beauty and building the firmament. "Infinity" (9).

Hierarchy - is the law of world-structure. It is not a threat but the call of the heart and a fiery admonition towards the General Good.

Upon the path to Hierarchy, upon the path of the Great Service, upon the path of Communion, synthesis is the one luminous path of the Heart.

"Heart" (1).

The element of Fire is the most omnipresent, most creative, and most life-giving. "Fiery World" (1)

The non-desire to think closes the gates to the future. "Aum"

The most sacred surrounds the concept of Brotherhood. Greatest joy abides in the realization that there exists a Coople
###ration of Knowledge . "Brotherhood" .

#### PEARLSS OF WISDOM

(From Nicholas Roerich's writings).
PEARLS OF WISDOM .

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1876 Energy life first is not be successful against extractive which we have a generated in the attainment of which we creativeness.

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sions of the people, the question of knowledge and the
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Members of FLANMA, Inc. will be glad to know that the number of their co-members if growing, also in foreign countries. Thus contacts are established for exchange of opinion. We shall be thankful to all members who will send news of artistic and scientific events from their States.

\*\*\*

ARSUNA Inc. has organized several exhibitions of paintings by Prof.

Roerich in Tulsa, Ada, Carlsbad, etc. which have aroused much deep interest
as well as Press comments. Of the many articles which have appeared,

Alfred Morang's "Roerich's Work tells of Nature in New Solidity"

(Muskogee Daily Phoenix) is especially interesting in its comparison of
Roerich with modern French masters.

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长米米

FLAMMA express their greetings to the Swami Omkar Peace Foundation.Inc.
in America and India, in their noble endeavour for world peace. Swami Omkar,
Mrs John B. Howard, President and Sister Sushila Devi, Vice-President and
Major J.G. Phelp Stokes have often expressed themselves as ardent friends
of the Roerich Pact Movement.

\*\*\*

News has been received from Buenos Aires that a group of friends there, who have translated "Agni Yoga" into Spanish, are preparing to print this book this coming September .

2

The Arsuna School of Fine Arts, Santa-Fé, New Mexico has moved to new permanent location at 439 Camino Del Monte Sol. For the current season similar programmes will be continued with lectures open to the public, with open house held on the first and third Sundays, with a lecture and tea follow-The New Mexico Daily Examiner in an extensive article on the activities of Arsuna School of Fine Arts writes: "The regular work of the school, which opened on June 12th, is carried on under the general direction of Mrs.Gartner, with Dr. Maurice M. Lichtmann, Director of the music department, assisted by Mrs Lawrence B. Lackey, Progressive series; Mrs Dorothy Morang, assistant to Dr. Lichtmann; Mrs Elizabeth Butcher, piano instruction; Dr. Wallace Clark, instructor in voice, Mrs Jane Godfrey, violin with Mme Alix Maruchess, guest instructor in viola and violin; Raymond Jonson and Randall Davey in charge of advanced painting; Datus Myers, in portrait; Josef Bakos, life class and Alfred Morang, beginner's class. In the department of writing. Alfred Morang will have charge of the short story classes; Harold Butcher, feature writing. Mrs Ida Rauh, in charge of playwriting with speech and drama under Mrs Laura Brooks Secrist and Mrs Rauh; and the crafts department in charge of Mrs J.V. Breneiser. An interesting schedule of lectures on a wide variety of subjects covering science, philosophy, literature and the arts is planned for the summer session. These, together with the At Home teas, are open to the public, and should do much to add to the cultural life of Santa-Fé. "

\* \* \*

In the magazine "American Slav" May issue 1939, in an article "Slavic Racial contributions to American Culture" a list of eminent Slavic names is given.

Amongst them are Dr.Nikola Tesla (a Serb); the great anthrolopgician Dr.Alls

Hrdlicka (a Czech); Prof.M.J.Pupin (a Serb), Alexander Petrunkevich (a Russian),

Henry Suzzallo (a Croatian); Nicholas Roerich (a Russian). To this list we may names of add several more/brilliant Russians, who have lately in America achieved fame



\* \* \*

Miss Ethel M.Burton is publishing a magazine "Project Guide" devoted to suggestions for teaching by the project or activity method. Miss Burton is a co-worker of the Roerich Academy of Art in New-York.

\* \* \*

Mr. Auriel Bessemer, a very gifted artist has held a Landscape Exhibition at the Goergetown Galleries in Washington. The Washington Evening Star comments on this exhibition as follows: the exhibition indicates the admirable balance of the composition, the interplay of innumerable figures and the elaborate symbolism.

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In the "New Mexico Daily Datly Examiner" of June 4,1939 Mr. Maurice M. Lichtmann's article "Nicholas Roerich & Science" has appeared".

\* \* \*

In "Rassvet" of May 6th, a very ent husiastic review of the new Monograph on Prof.Roerich, by B.Novosadov has been published.

\* \* \*

The following of Prof.Roerich's essays have appeared in America:

"Rassvet" (Chicago) in Russian, "Paris" on June 2nd 1939

"Rassvet" " in Russian "Mir v Maske" on June 6th 1939

"Mark Twain Quarterly", Spring 1939 - "Mark Twain in Russia".

"Novaya Zaria", In Russian, "In Memory of V.A.Stehuko" on March 23,1939

"Rassvet" in Russian - "Russkiy Yazyk". on May 1,1939

"Novaya Zaria", in Russian - "Diaghileff". on April 15th 1939.

## News from America & Europe.

The Roerich Academy of Arts has opened its second semester. Amidst the outstanding features are Mrs Sina G.Lichtmann's piano courses and Mr.D.C. Mobley's courses of interior decoration, etc. Series of lectures, exhibitions and recitals have also been scheduled for the season.

\* \* \*

The following interesting lectures were delivered at Arsuna, Inc. (Santa-Fé): "The Place of Art Criticism in Literature" by Alfred Morang; "An Approach to Modern Poetry" by Wm.Pillin. New classes were added to the Arsuna Fine Art School lately: a Rhythm Class by Linda Gayle, Feature Writing by Capt.L.L. Partlow and a Children's Theatre.

Several recitals by Maurice M.Lichtmann were rendered - the proceeds of one of them being dedicated to Spanish Relief. The programme included Mozart Beethoven and Chopin, and Kr John Sloan was speaker. Another recital of Maurice Lichtmann (piano) and Charles Kinney (organ) was held at the St.Francis auditorium, and the programme consisted of Bach, Chopin-Liszt and Brahms.

The following articles, in connection with Arsuna's ac#tivities appeared in the Santa-Fé press: "American Artists still Alive Says Critic of New Arsuna Gallery" by Alfred Morang; "Rhythmic Living" by Linda Gayle and "Arsuna Dancer Demonstrates New Technique" by L.L.Partlow.

\* \* \*

Messrs Hazel Dreis of Santa-Fé have published "White Thunder", a book of poems by Dane Rudhyar, well-known poet and lecturer at Arsuna, Inc. The very titles of the poems like "Vigil", "Dreams", "Compassion", "Greatness", "Hymn of Rudra", "Conquerors", "Hymn of Shiva", "Gnostic Chants", "Hymn to Agni", "Maha Yogin", "Cosmic Vision" already indicate the inspiring nature of these sonorous incantations.

\* \* \*

Peace is the theme of this volume. Mrs Hayward is President of the Swami Omkar Peace Foundation in New York and her calls for international understanding are most timely.

\* \* \*

In the "Revista Piiman," Nov.1938, Buenos Aires, Argentine, a review of "Signos del Agni Yoga", has appeared, which concludes as follows: "En resumen: la Ensenanza Ignea, a que nos referimos, es el toque de alarma, la prevision y, a la vez, el remedio para las calamidades de la vida, entendida esta en su mas amplio y transcendental concepto".

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In the Russian newspaper "Rassvet" of Chicago, dated Oct.15, 1938, an article "Igor Grabar about Roerich" has been published.

\* \* \*

The "Christian Science Monitor" of Boston, of Oct.27,1938, reviewing

Irving Deakin's book "Ballet Profile" in an article "Then Russia Awoke to

Ballet" refers to Prof. Roerich and other Russian artists as having "brought to the world a new and startling beauty".

\* \* \*

In the Russian newspaper "Rassvet" (Chicago) Prof.Roerich's article "The Academy of Fine Arts" has been published.

\* \* \*

The Museum of the "Fondation Roerich pro pace, arte, scientiae et labore" in Bruges has arranged a special hall, in which are exhibited the copies of South Indian frescoes presented by the Travancore Government upon recommendation of Prof. Roerich, and the collection of Chinese and Tibetan xylographs, donated by Prof. Roerich to the Bruges Museum. These objects, together with the painting presented by Mr. V.R. Chitra, of the Govt. School of Arts and Crafts, Madras, form the nucleus of this new Eastern Hall.

L'Association Française Nicolas de Roerich in Paris has elected the following new Committee Members: 1) Madame Valmont, Editor of "Cahiers Contemporains", 2) Marius Chambon, well-known artist, who painted a portrait of fed on the description of Paris Art Schools; 3) Paul Ducuing, sculptor, known for his equestrian statue of King Sisowath of Cambodge and busts of Pasquier, Sarraut, Falliere, etc. 4) M. Homberg, architect.

\* \* \*

L'Association Française Nicolas de Roerich in Paris has further elected upon recommendation of Prof.Roerich the following Honoary Members: Prof. Emile Schaub-Koch, Geneva and Mr.Barnett.D.Conlan, Paris.

\* \* \*

The oldest university of Portugal at Coimbra has elected Prof.Roerich as a Member of the Coninbrigensis Instituti Societas. Prof.Roerich's painting "Sancta Protectrix" is at present in the Fine Arts Museum of this University.

\* \* \*

REMERENCE H.E. Prof. A.G. da Rocha-Madahil, Director of the Museum of the Coimbra University expressed his readiness to act as Representative of the Roerich Pact in Portugal.

\* \* \*

The Museum Ruske University in Praha has published a monograph in Russian: "Xxx Russian Art Abroad", text by V.Bulgakoff and A.Yupatoff, Preface by Prof.Roerich. The volume is richly illustrated and can be had from the Museum Ruske University, Krakovska 8, Praha II, Szechoslovakia for U.S.\$ 2.50

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Mr. Nicholas Buschmann, of Tallinn, Estonia, who has promulgated the idea of a universal monument to Woman in the Name of Peace, has published a booklet, outlining the aims and quoting authoritative opinions and appre-

witch, August Maria Kemetter, G.Schuster, Emile Khan, Richards Rudzitis, Horace Thivet, etc. In this connection we recall Prof.Roerich's inspiring essays dedicated to maximum maximum womanhood, like "Woman's Destiny", "To the Heart of Woman", "The Crown of Womanhood", etc. FLAMMA heartily greets these lofty aims and hopes that the idea of a universal monument to Woman in the Name of Peace will be realized despite the present perturbed days.

\* \* \*

In connection with the Latvian National Festivities, the Latvian Roerich Society in Riga arranged a celebration on Nov.18th. The Vice-President K. Valkovskis delivered an inspiring address dedicated to the cultural achievements of Latvia. After a concert, the President of the Society, Richard Rudzitis react on "The Paths of Self-perfectioning according to ancient Lettish traditions". The celebration was well attended and notes about this gathering appeared in the newspaper "Rits" of Nov.19 and "Segonnia" of Nov.20th 1938.

\* \* \*

From the Annual Report of the Lithuanian Roerich Society, compiled by its President, Nme J.Montvydiene, we learn about the active work which took place there. In the Philosophical Section 45 essays of Prof.Roerich were read and discussed. In the Women's Section Nme Roerich's Letters were read and books on Living Ethics and other similar subjects were discussed. In the Educational Section 13 lectures were read (Eckartshausen, Besant, Montessori's books were reviewed) and in the Medical Section under guidance of Dr.Matusevic 16 discourses were held. Thus unifying subjects like "Cooperation of Humanity", "Culture and Beauty", "The Creative Power of Beauty", "Joy, the source of lofty energies", "The culture of the home in the family", "Our intelligentsia and its aims", "Thought" and "Evolution" were debated between members and invited guests.

Mr.A.Klizovski has published the third volume of his work "The Foundations of the World Conception of the New Era". (Didkovsky Publishers, Riga).

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The member of the Board of the Latvian Roerich Society, Th. Bucens has delivered a series of lectures at the invitation of the Society of Prevention of Cruelty to Animals, in Riga.

\* \* \*

The oldest member of the Lithuanian Roerich Society in Kaunas, Mr.Jaknevicius has passed away. We express our deep regret at the loss of such an
active co-worker. Mr.Juknevicius died from heart failure during his lecture on
one of his cherished cultural subjects.

\* \* \*

In Skuodas, Lithuania, the group conducted by Dr. Serafiniene holds regular meetings, during which Dr. Serafiniene lectures on problems of education.

\* \* \*

Mr.J.Abramavics, member of the Latvian Roerich Society, writes about the formation of a new group of esperantists within the Society. The nucleus of this group consists of the following members: Miss Lumila Jevsejeva, whise Kriems and Mr.J.Abramovics. The group corresponds with our group "Culture" in the Far-East.

\* \* \*

The magazine "Ari" in Helsingki, Final and "Thakur's Castle".

\* \* \*

In the Latvian newspaper "Rits" Richard Rudzitis's poem "The Message of Love" has appeared. With his usual poetic inspiration the President of the Latvian Roerich Society has sent into the world this powerful call for peace, love and human understanding. He concludes his essay with the words:

"In the beginning there was Love". And Love will remain till the end of the Universe as the sole absolute foundation and law for all that exists".

\* \* \*

Mr.Peter Tarabilda, member of the Lithuanian Roerich Society has received a scholarship from the Lithuanian Government to study art in Paris.

\* \* \*

In the "Litovo Stelo" #18, Miss L. Jevsejeva's articles "Standardo de la paco - kiu estas Nikolaj Rerich" and "Antau de fino de la Jubilea Jaro" have appeared in Esperanto.

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In the Quarterly "Kolosjse" No.4/13, Wilna, an article "Mikalai Rerich" has been published.

\* \* \*

The Academic Union of Allied Arts, Estonia, has published Mr.Alexis
Rannit's book of poems "V Okonnom Pereplete" ("Through the Window Frame")in
Russian translation from the Estonian by the eminent Russian poet Igor
Severianin. Mr.A.Rannit is a member of the Est/Onian Roerich Committee in
Tallinn.

\* \* \*

In the "Paewalent" (Tallinn, Dec.4,1938) Prof.Roerich's essay "Armastage Raamatut" in translation by Alexis Range, has appeared.

\* \* \*

In the newspaper "Kurzemes Vards (Liepaja, Latvia) an article by Ev.Gr.
"Nikolajs Rerichs ka makslinieks un cilveks" has been published in connection with the visit and lectures of the Latvian Roerich Society from Riga to Liepaja on Nov.lst 1938. The lecture and exhibition of Prof.Roerich's paintings was organized under the auspices of the Liepajas Latviesu Makslas Veicinasanas Biedriba (Society for Encouragement of Fine Art).

In the Czech magazine "Duchovni a nobozenska kultura" Dr.Ctibor Bezdek in an editorial emphasizes the significance of the Roerich Hall in the Praha Museum.

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In the weekly magazine "Gazeta Dlia Vsekh" (Riga) in the December issue 1938, No.52, Prof.Roerich's article "The Russian Icon" has appeared, together with a protrait and two reproductions of his paintings.

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In the newspaper "Segodnia" (Riga) of Dec.4th 1938 Prof.Roerich's article
"Prazdnik Iskusstva" has been published, illustrated with two portraits.

\* \* \*

Under the auspices of the Roerich Centre of Art & Culture in Allahabad an Exhibition of paintings of the well-known Bengali artist Mr. Kshitingra Nath Majumdar and his pupils was opened in the Anie Besant Hall, on Monday the 19th December, by Mr.R.N.Basu, Chairman of the Municipal Board, Allahabad. The exhibition remained open for two evenings, and was very well attended. The artist is among the first group of pupils of Dr. Abanindranath Tagore, and with Nandlal Bose and Asitkumar Haldar has played an important part in bringing the modern Bengal art into prominence. Mr. Majumdar has specialised in Vaishnava themes, and his paintings have found place in distinguished public and private collections. Some of his paintings depicting the life of Lord Chaitanya were specially appreciated.

Another function held under the auspices of the Roerich Centre of Art & Culture in Allahabad was a dancing performance given by Mr. Bimalendu Bose, whose efforts towards the revival of the classical Indian dance have met with appreciation of distinguished people like Rabindranath Tagore, Pandit Madan Mohan Malaviya, Sir S.Radhakrishnan, the Rt.Hon'ble Mr.Sreenivasa Shastry and Dr. James H. Cousins. The performance was hend on December 22, in the Mayo Hall, before a select audience.

Mr. Ram Chandra Tandon's article "Svetoslav Roerich and His Art", which we had the pleasure of publishing in our previous issue, has appeared in translation in a Hindi magazine in Calcutta, illustrated with the following reproductions of Sv. Roerich's paintings: "Portrait of Professor Roerich", "Karma Dorje", "The Gods are Coming", "Snake Charmers". Reprints of #his article in English, with four reproductions, can be had from the Roerich Centre of Art & Culture in Allahabad and from the Representatives of "FLAMMA" cuarterly ( Price 8 Annas or 20 cents) and from Fh#MMH Representatives.

Mr.B.N.Sijja, member of the Colourists' Association in Lucknow (of which Prof.Roerich is Honorary President and Mr.Birewar Sen - President) has been awarded the Gold medal for the best painting in Indian Style at the Exhibition of the Indian Academy of Arts, in Calcutta. Several other paintings by members of the same association, notably those of Mr.P.R.Roy, Mr. P.N.Bhargava, R.N.Chatterjee, Ishwar Das and S.Sen were very flatteringly reviewed by the Press and were purchased by well-known connoisseurs of art, like H.H.the Maharaja of Kashmir, H.H.the Nawab of Bhopal, and others.

\* \* \*

Mr.O.C.Gangoly has requested Prof.Roerich to send him ten sets of coloured reproductions of Prof.Roerich's paintings, km which he proposes to use for a plan of Appreciation Lessons for "Picture Hours" at arts chools in Calcutta. Upon receipt of these, Mr.Gangoly wrote to Prof.Roerich thanking him for his gift and expressing his admiration for Prof.Roerich's Art. We are glad to add that Mr.Gangoly also kindly promised his article for "Flamma" Quarterly.

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Upon request of the Board of the Conference of All-India Sakskrit
Students, held at the Benares Hindu University, Prof.Roerich sent a hearty
Message of Greetings in which he compares the roots of old Russian 'bylith'ny'
with Sakskrit origins. In the course of his message Prof.Roerich says:

"When I hear Sakskrit chanting, it always reminds me of old Russian bards,
who melodiously narrate ancient legends about heroes and - as they are
called - bogatyrs (bahadurs?) ". For the Exhibition of Oriental Learning,
connected with this Conference, a set of coloured reproductions of Prof.
Roerich's paintings had been sent in coxformity with their wish.

\* \* \*

The following message of greetings has been received by Prof. Roerich from the All-India Samskrit Students' Conference:

"Soul of peace,

We, the Sayiskrit students with all of our teachers and Hindu public became very glad to know that a foreigner has joined our conference with all serenity and sincerity of his heart. We felt ourselves proud of your kind and lovely message which gave us a sweet touch of a new friendship in our heart Lover of Himalayas,

We, the people of peace-loving Bharat, the abode of Lord Buddha remain in the foremost rank to hanker for peace to embrace the cry of brotherhood and to sing the song of Universal unity.

We read your booklet the Banner of peace and are fully agreed to your attempt that is full of hope.

The saint of the East, mount on the Mount Everest and ring the bell of your love message. That will roll over the shady world and a new era of culture will get its dawn of peace and brotherhood through the cloud of selfishness and hate. " Dated Benares, January 7th 1939.

\* \* \*

"The Feudatory and Zamindari India" magazine has published Mr.K.P. Padmanabhan Tampy's man interesting article "The Sri Chitralayam", which has a chapter dedicated to the group of paintings by Prof. Nicholas Roerich and MrsSvetoslav Roerich in this State Gallery of Travancore. The Sri Chitralayam, which is under the guidance of Dr.J.M. Cousins, has now become one of the most prominent art centers of India. Mr. Tampy's article, which has also appeared as a separate eqition, is thoroughly written and is illustrated with reproductions of Prof. Roerich's paintings, his portrait by Mr. Svetoslav Roerich and sections of South Indian murals, etc. In the chapter on Modern Indian Art the author writes that this section is embellish masterly paintings by such stalwarts as Abanindranath Tagore, Gogendranath Tagore, Nandalal Bose, Asitkumar Haldar, Devi Prasad Roy Choudhuri, Kshitindranath Majumdar, Sarada Charan Ukil, Ranada Charan Ukil and Promode Kumar Chatterjee. Mr. Tampy concludes his writing as follows: "This Temple of Art is a living book of the history of modern painting which is full of daring innovations".

Under the auspices of the Osmania University an Exhibition of the paintings of Professor Nicholas Roerich and Mr. Svetoslav Roerich was held at the Town Hall, Hyderabad. Dr. James H. Cousins had been specially invited to deliver a series of 3 Extension Lectures in connection with the Exhibition. The Exhibition was formally oppned by His Excellency the Rt. Hon'ble Sir Akbar Hydari, Nawab Nawaz Jung Bahadur Kt P.C., D.C.L., LL.D., Chancellor of the Osmania University on Jan. 17, 1939 at 5 p.m. The grogramme of the Exhibition and of the Extension Lectures was as follows:

On Jan.17 - 5 p.m. Formal Opening of the Exhibition by His Excellency the President; at 6.15 p.m. Lecture by Dr.J.H.Cousins on "Nicholas Roerich, the Man and his Ideas".

On Fan. 18, 1939 - 8 - 11 a.m. and 2 - 5 p.m. Exhibition open. At 6.15 Lecture by Dr.J.H. Cousins on "Nicholas Roerich, the Artist and His Art".

On Jan.19 - 8 to 11 a.m. Exhibitions open for Ladies only; 2 to 5 p.m. Exhibition open to all. 6.15 p.m. Lecture by Dr.J.H.Cousins on "The Problem of Nationality and Inter-Nationality in Art ".

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An Exhibition of paintings of Mr.Sudhir Khastgir of Calcutta took place under the auspices of the Roerich Centre of Art and Culture in Allahabad on January 26th. The exhibition was opened by the heir-apparent of Sitamau State, Maharajkumar Dr.Raghubir Singh, the poet and great connoisseur of Art. On this occasion Prof.Roerich sent a telegraphic message of greeting for the epening, upon invitation of Rai Bahadur Pandir Prof. Typas.

\* \* \* to write

Mr.Mohanlal Kashyap has requested Prof.Roerich for an article for a commemorative volume dedicated to the great art lover of the Univer Provinces

S.P.Shah (late Director of Industries of the U.P.)

\* \* \*

In Baroda a new magazine "The Students' Digest" is making its appearance and the Editor has requested Prof.Roerich for an article. "Pax per cultura" will appear in the first issue. \* \* \*

Reviews of Mr.Barnett.D.Conlan's monograph "Nicholas Roerich, a Master of the Mountains" have appeared in the following periodicals: in "India", Nov. the "Daily Murald" 11.9.38, "Chasam Review" Get: 1938.7 "Modern 1938 and "New Book Digest", Nov.1938 beth by Colonel A.E.Mahon, D.S.O. and Girl" in "Visva-Bharati Quarterly" Nov.1938 by Prof.Amiya Chakravarty. The latter article, under title "Roerichana" also reviews "Zelta Gramata" and is reprinted in this issue of FLAMMA Quarterly by kind permission of the Visva-Bharati Cuarterly". A review of the same monograph by Mr.P.K.Tampy has appeared in the "Landholders' Journal".Oct.1938.\*\*\*

\* \* \*

A review of Mr.P.K.Tampy's booklet "Gurudev Nicholas Roerich" has appeared in the "Commercial Gazette" Calcutta, Nov.17,1938, and in "The Indian World",

Bombay, Jan.1939.

\* \* \*

The following of Prof. Roerich's essays have lately appeared in the press of India:

"Thou repeatest", poem, in "Vision", December 1938

"Love", poem, in "Vision", January 1939.

"Through smile", poem, in "Peace", Nov-Dec.1938

"Woman's Destiny" in "Modern Girl", Dec.1938, Lahore.

"Sowers" in the "Educational Review," Madras Oct.1938

"Museuphtenth. "The Scepter", poem, in "Educational Review, Oct.1938

"Light", poem, in "Educational Review, Oct.1938

"Seals", in "The Scholar" Annual, 1938

"Sacred Ashrams", in "The Scholar", January 1939

"Chandogiya Upanishads", in "The Scholar", February 1939.

"Rejoice", poem, in "Peace", Jan. 1939.

\* \* \*

Celebration of Opening of Roerich Hall in Praha.

The "Ruske Kulturne Historicke Museum" which is situated in the ancient Zbraslav Castle held on June 16th a MAXXXXX celebration, inaugurating the Roerich Hall. Professor Valentin Bulgakoff, Curator of the Museum and Honorary Member of Flamma Association, describes this solemn event as follows:

"Representatives of the Czechoslovakian and Russian scientific and art world were invited for the opening and met in the beautiful Barocco hall, the former refectory of the monastery, which was previously situated in the castle. The Rector of the "Ruske University" Prof. M. M. Novikov addressed the gathering, after what, I (Prof. V. Bulgakoff) delivered a lecture on the life and creative work of Prof. Nicholas Roerich, describing both the Russian and foreign periods of the Master's work comparing him with Leonardo da Vinci and emphazising his love and admiration to the East, to Asia. I underlined not only the ocuvre of the great artist, but also dwelt upon Roerich as poet, philosopher, writer and as great leader of Culture, creator of the Banner of Peace and devotee of his motherland Russia: The speech met with great applause and all present joined in expressing their thankful hearty feelings to Prof. Roerich by signing a commemorative address. to be sent to the Himalayas. Then The Rector of the University read messages in Russian and French received from various Roerich Associations. Afterwards the owner of the Casthe, Cyril Barton-Dobenin, Czechoslovakia's famous philantropist and maecenate invited all guest to tea, which was beautifully served in the ancient castle. "

"Everyone also greatly appreciated the paintings of Svetoslav Roehis
rich. In xxx portrait of Prof.Roerich everyone was struck by the inner significance and originality and richness of colour. His "Kuluta Shepherd" and
"Sunset" were also much admired. Them Roemin The visitors remained in the
museum till late and the Roerich Hall conquered the hearts of all art lovers

A beautiful address with 150 signatures has been received by Prof.Roerich in the Himalayas. The Museum has published an illustrated catalogue, the cover of which is designed by the artist Yupatov.

**举**分条

The "Rericha Muzeja Draugu Biedriba" in Latvia has published an impressive commemorative volume "Zelta Gramata" in Dedication to Fifty Years of Creative Activity of Nicholas Roerich and the First Baltic Congress of Roerich Societies 10-X-1937 with several coloured reproductions of the Master's paintings. This volume contains 246 pages of inspired messages of Pr Professor Roerich's admirers and friends from all over the world and salutatory articles in connection with the events by: R.Rudzitis, R.C.Tandan, S. Lichtmann, G.Chklaver, P.Tarabilda, A.Rannit, A.Khiriakov, S.Zenkevitch, P.Siriwardnana, C.Bragdon, E.Schaub-Koch, S.Gorny, A.Kaun, M.Mosoff, Dr.E.A.Moskov, P.G.Bhavnani, B.Behari, D.Fosdick, Twentieth Century, Week-End, V.Tome, V.Tretiakov, P.R.Radosavljevich and the Proceedings of the Congress.

传头桥

We regret to announce the death of the eminent member of the Bruges Roerich Foundation, the former Governor of West Flandres, Baron Janssens de Bisthoven. Remembering his friendly attitude towards the Roerich Pact and the International Conferences in Bruges, we express our sincere concolences.

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On April 20 the "Association Russian Nicolas de Roerich" in Paris held a meeting in memory of Feodor Chaliapin, whose death had recently occurred. Exemple Heartfelt speeches were delivered and a selection from the best of Chaliapin's records was played.

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In the "Cahier d'Art Contemporain" IV Serie, two reproductions of Prof.

Roerich's paintings "Thibet" and "Archangel" appeared with an editorial note
by Mme Valmont.

The Estonian Roerich Society is publishing a symposium of articles by Alexander Rannit - "The Life and Work of Roerich", by Alfred Tamm - "The Roerich Pact" and by P.Belikov - "Roerich - The Thinker".

\*\*\*

In Rumanian newspaper "Lumea" and "Facla" several articles on Prof.

Roerich's art and the Roerich Pact appeared as editorials and by Prof.

A. Dumitriu. Prof. Roerich's essay "Frumosul si Viata" appeared in the "Lumea".

\*\*\*

The artist N.Root's article "N.K.Roerich" with reproductions of Prof. Roerich's paintings has been published in a Russian monthly in Tallinn.

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On May 30th at the Kaunas University in Lithuania a conference with lectures and musical programme took place. All members of the Lithuanian Roerich Society, headed by the President of the Society, Mme J.Montvidiene and Dr.N.Serafiniene and about 250 guests were present. Mme J.Montvidiene opened the evening with an address, whereupon Mr.Glemza delivered a lecture "Prof.Roerich and his cultural activity". The next lecture on "Heart and Culture" based upon excerpts from Prof.Roerich's writings, was delivered by Mrs J.Monvidiene. A piano and vocal recital followed, dedicated to Ciurlionis T.M. Schubert, Rubinstein, etc. Every guest was presented with a copy of the Lithuanian booklet on the Roerich Pact and with the Lithuanian Magazine published by the Lithuanian Roerich Society.

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The Vice-President of the Association Francaise Nicolas de Roerich,
Monsieur Marc Chesneau has completed a new volume of his poems, which will
shortly be published under title "Sortileges de la Paix chantante".

\*\*\*

"The Mother of the Banner of Peace" - a sculpture by Mrs D. Taravildiene has been acquired by kx the Ciurlionis Museum in Kaunas.

Sixteen members of the Latvian Roerich Society, headed by their President Mr.Richard Rudzitis on June 5th visited the Lithuanian Roerich Society in Kaunas, where they were accorded a very hearty welcome and spent three in cordial discourses, lectures and excursions. Both Societies were delighted at such a reunion.

\*\*\*

Mme J.Montviciene, President of the Lithuanian Roerich Society visited

Tallinn towards the end of June and established close contacts with members of the Estonian Roerich Society.

\*\*\*

The Vice-President of the Association Francaise N.de Roerich, M.Marc Chesneau has completed another volume of his poems, which will shortly be published under title "Soutileges de la Paix chantante".

24.44.24

"The Mother of the Banner of Peace" - a sculpture by Mrs D. Tarabildiene of the Lithuanian Roerich Society, has been acquired by the Ciurlionis Museum in Kaunas.

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## NEWS from Europe.

In Kaunas on June 9th to 11th the Fifth Congress of Estonian, Latvian and Lithuanian Co-operation took place, at which our Roerich Societies of these countries were also represented. Amidst the KENNER resolutions of the Congress was the establishment of still closer cultural rapprochement between the Baltic nations and of closest cooperation in all fields of art and science.

\* \* \*

The Fifth Session of the Baltic Congress of cultural Societies has received much appreciative comment in the press and in all such articles the participation of the Roerich Societies was mentioned. Articles appeared in Lithuania in the "Lietuvos Zinios" of June 12th, "Lietuvos Aidas" of June 13th, "XX-Amzius" of June 12th and "Laikas" of June 12th and in Latvia in the "Segonia" of the 11th, 12<sup>th</sup> and 13th June, illustrated with a photograph of the Session, on which the Delegates of the Roerich Society also can be seen.

\* \* \*

We have been informed from Europe that on June 7th the Russian Radio transmitted the following news: "Prof.Frolow, the Director of the Mosaic Studio of the Academy of Arts, founded by Peter the Great, having worked several years has completed a large sized mosaic on the subject of Prof.Roerich's painting "The Battel with the Variags". In the near future Prof.Frolow will commence lead the work on the largest mosaic in the world for the 'Palace of the Soviets'."

\* \* \*

Mme S.Rynkevitch on May.15th delivered her fourth address on Prof.Roerich's art at the Art Association in Warsaw, Poland. The audience consisted mostly of artists and manifested a very enthusiastic response. Mme Rynkevic's lecture was accompanied by coloured pictures from the new Roerich Monograph, shown on a screen by an epidiascope. Mme Rynkevic has now scheduled a lecture at the Society of Architects in Warsaw and the Union of Lady Artists has requested her to repeat her lecture on June 4th.

The well-known Russian artist-painter, one of the founders of "Mir Iskusstva" ("World of Art"), Constantin Somov died in Paris in June 1939. Since
lately 12 members of the "Mir Iskusstva" have died, there now only remain a
few of the founders: "Professor Nicholas Roerich (First President), Alexander
Benois, Lanserey, Bilibin and Yaremitch. Of members who joined the Mir Iskusstva later, there remain: Serebriakova, Korovin, Purvit.

\* \* \*

Mr.Paul Belikoff, Member of the Estonian Roerich group, has delivered and his in April, in Tallin Estonia a lecture on Prof.Roerich's art at the Russian ci Society of woman-academicians. Mr.Belikoff espeixally stressed Prof.Roerich's high regard for the women's movement and read quotations from Prof.Roerich's writings on this subject.

\* \* \*

In June an All-L tvian Art Exhibition was held in Riga. Some of the participating artists have promised their paintings for the Baltic Section of the Roerich Museum in Riga.

\* \* \*

In the newspaper "Segodnia", Riga, of June 13th 1939 an article concerning the forthcoming Baltic Press Conference appeared, from which we quote the following passage: "The Roerich Society in its resolutions underlined the great significance of cultural and scientific activities in the mutual approchement of people".

\* \* \*

In the Yugoslavian newspaper "Pravda", Beograd, of April 19th 1939 an article by Michael Nikitin-Efesov, under title "Umetnik, knijevnik to humanist Nikolai Roerich" has appeared, illustrated with a portrait and with a reproduction of one of Prof. Roerich's Himalayan motives.

\* \* \*

In the "Segodnia" of June 16th (Riga) an article xxxxxx appeared about Prof.Roerich's election as Honorary Member of the University of Coimbra in Portugal.

The famous Bulgarian artist Boris Georgiev, himself a student of the School of the Imperial Society of Encouragement of Art, in Russia, under the directorship of Prof. Roerich, now works in Udine, Italy, preparing an exhibition on his impressions of India, where he has travelled twice by caravan. The Latvian Roerich Society, for its Tenth Anniversary, has commissioned Mr. B.Georgiev to paint a portrait of its first President Dr.Felix Lukins.

· \* \*

In the Russian Theosophical "Messenger" edited by kink Dr. Anna Kamensky at Geneva, Switzerland an editorial has been published under the motto from Prof. Roerich's book "On Sacred Vigil". In the same issue the attention of the readers is drawn to the Russian edition of the Secret Doctrine by H.P.B. translated by Madame H.Roerich, which has recently been published in Riga by the Uguns publishing house.

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In the magazine "Dlia Vas", Riga, of June 25th 1939 a review of the new Monograph by V.T. under title "Kniga o Roeriche" (A Book on Roerich) has appeared, giving high praise to this new publication.

\* \* \*

The following ofmProf.Roerich's essays have lately appeared in the European Press:

"Guard Artistic Treasures" in "Segodnia" of May 12th 1939 in Russian
"Birth of Legends" in "Segodnia" of May 15th 1939 in Russian
Reproductions of Prof. Roerich's paintings "Sviatogor" and "St. Procepius"

in the magazine "Gazeta dlia Voekh", Riga, May 28, 1939

pr.Y.L.Keng, member of the Academia Sinica, has published in the Journal of the Washington Academy of Sciences vol.28,No.7, July 15th 1939 an article under title "Botany: New Grasses from Pailing Miao, Suiyuan Province, China", which begins as follows: "During July and August 1935, the writer joined the Roerich Expedition to Inner Mongolia in search of drought-resistant plants which might be introduced for forage into the great South-West of the United States". Further there follows a scientific description of six new discovered species of grasses: I) Cleistogenes foliosa, 2) Cleistogenes mutica, 3) Puccinellia poaecides, 4) Puccinellia filiformis, 5) Agropyron mongolicum and 6) Stipa roerichii. The article concludes as follows: "The Stipa species is names in honour of Professor Nicholas de Roerich, a famous painter of Russia, who was the head of our expedition to Inner Mongolia during the summer of 1935".

\* \* \*

Mr.Bireswar Sen, President of the Colourist's Association, Lucknow has recently visited Alwar to compile a catalogue of the State Collection of paintings and ivory miniatures. The Alwar State Collection comprises about 2500 paintings and about 3000 illustrated and illuminated manuscripts. Among other art treasures, there are two unique manuscripts: 1) The Memoirs of the Emperor Babur, written by his son Humayun, Mir Ali-ul-Katib, during the reign of Akbar and bearing the Imperial seals of Humayun and Shah Jahan and illustrated by the foremost Indian artists of the age; and 2) a manuscript of Sheikh Sadi's Gulistan or the Rose Garden, which cost about Rs:100000/- to complete. There are numerous other paintings by well known masters like Balchand, Hunhar, Alam and others. Mr.Bireswar Sen has met H.H.The Maharajah of Alwar several times and has requested him to open a Museum containing not only the treasures of the past, but also representative works of the leading artists of the present day.

Dr. and Mrs Cousins, well known to our readers, spent the month of june at Prof. and Mme Roerich's residence in the Himalayas, deeply enjoying artistic and spiritual communion and the beauty of Kulu Valley.

\* \* \*

Sir Edwin Lytuens, President of the Royal Academy announced in London in May that an Exhibition of Indian Art is to take place at the Burlington House early next year and that it is to have a very wide scope. Such a manifold manifestation of Indian Art is to be highly greeted.

\* \* \*

The famous Gujerati artist R.M.Raval, who has done so much for the revival of art in his country, paid a visit to Prof.Roerich, discussing plans way home of mutual cultural cooperation. On his xxxxxxx to Guherat he delivered he delivered at Manci a lecture on his visit to Prof.Roerich.

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In the "Dhinamani" an article on Prof.Roerich illustrated with the portrait by Svetoslav Roerich, has been published in May 1939.

\* \* \*

inxhumxhibhaminkhegemxmagamimemañxheremkermkiinxmkmimahamn In the May Issue of Maira" May issue, an article "Memories of Mahatma Tolstoy" with a photograph of Leo Tolstoy and Valentin Bulgavov has been published. Mr.Bulgakoff is curator of the Zbraslav Museum in Praha, which bounds has a Roerich Hall.

\* \* \*

In the "Cochin Argus" of July 15,1939 Mr. Tampy's article "The Roerich Collection in the Sri Chitralayam" has been published.

The second issue of the bulletin "Culture" has been received from the Far East. This number contains interesting articles on Scriabine by I.Reut, on Anna Pavlova headed by a beautiful motto of the famous dancer: "where there is no heart, there can be no art", and Krraykykk A.Bonca-Tomashevsky's article "Roerich in India". In the editorial the titles of lectures recently read in the "Culture" Society have been enumerated, amongst them: "About suffering according to sacred Buddhist books", "On Ethical Education", "Intuitivism in Roerich's art", "Anna Pavlova", "Culture", "Diaghileff", etc. At the gatherings musical recitals (Symphony No.5 by Beethoven and Stravinsky's "Petroushka") were played.

\* \* \*

The Kaiser-I-Hind Illustrated Weekly of July 23rd a very interesting article "Russia's Music of the Future - Marvels of Her Remaissance" by 'Pointer' has appeared, with portraits of Tchaikovsky and Rimsky-Korsakov. The author says: "The rapid emancipation of music in Russia during the last three decades presents an unique phenomenon in the musical history of the nations"

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The following of Prof.Roerich's essays and poems have lately appeared in the press in India:

"Kalai Magal", May 1939. Prof. Roerich's Message in Tamil with a reproduction of the "Command of Rigden Jyepo".

"Mira" April 1939. - essay "Fra/grance"

"St. Mira Foundation Day commemorative issue", June 4,1939 Prof. Roerich's

message fo the St.Mira High School for girls "Untiring Sowers" "Vision". July 1939 - essay "The Test".

"The Scholar" , May 1939 - essay "The Test"

"The Scholar" , June 1939 - essay "Constant Care"

"The Scholar", July 1939 - essay "Life".

From "THE LEADER", Allahabad, Dec. 29, 1937.

GOLDEN JUBILEE OF NICHOLAS ROERICH

BALTIC CONGRESS OF ROERICH SOCIETIES

The golden jubilee of the creative activities of Prof.Nicholas Roerich was a cultural world event. Around Oct.10 were concentrated many artistic and literary celebrations, Besides the expansion of the Roerich Museum in Latvia, also the Russian Museum in Leningrad dedicated to the art of the Master a special hall and the museum in Praha likewise honoured the artist by establishing a separate hall. The museum in Santa-Fe, New Mexico, exhibited a group of his new paintings and the Allahabad Municipal Museum, besides additional paintings of Nicholas Roerich, was enriched by a new portrait of the Master by the brush of Svetoslav Roerich. Many magazines and hundreds of newspapers published dedicatory articles and from Delhi (by R.C.Tandan) and from Riga (by R.Rudzitis) radio talks about the celebrated artist were broadcast.

On Oct.10 the Baltic Congress of Roerich Societies was opened in the presence of numerous cultural leaders, the intelligentsia and cordial messages oured in from all over the world, amongst which were greetings from the President of Lithuania, Sven Hedin, Sir Jagadis Bose, Prince de Medicis, N.C. Mehta, Jamehed Nusserwanji, Ramanada Chatterji, Asir Kumar Haldar, Marc Chesneau, Prof. Assagioli, C. Tulpinck, Pandit Vyas, R.C. Tandan, from all the numerous Roerich societies, peace pact committees, cultural and educational institutions and many many others. The Congress lasted for three days and had the following sections' scientific, artistic, women's and educational, protection of culture and the ethics of life. On all these subjects many letteres were read by outstanding workers in these fields. The Congress was concluded with three excursions to historical places in Latvia.

Similar celebrations took place in Paris, New York, Philadelphia, Belgium, India and the Far East. The Publishing Cooperative Society "Uguns" ("Agni")

in Riga in commemoration of the golden jubilee is publishing a large monograph on the Art of Nicholas Roerich in seven languages illustrated with 150 coloured and monotone reproductions of his masterpieces.

It is of interest to mention that at a special jubilee celebration in honour of Nicholas Roerich, at the Biosophical Institute in New York, amongst
other lecturers, the eminent American writer and philosopher Claude Bragdon
delivered an accress on the art and philosophy of the Master, and at a commemora
tive meeting at the Philadelphia Roerich Center Mr. Christian Brinton, America's
foremost art critic, lectured on 'Roerich, Artist and Friend', and Mr. Wharton
Stork, well-known American poet, gave a talk on 'The Spiritual Significance of
Roerich's Art'.

Another artistic manifestation in India may be regarded as forming part of the same homages to the artist — in Trivandrum at the Government Exhibition in honour of the birthday of H.H. The Maharaja of Travancore a special hall was dedicated to a group of paintings of Nicholas Roerich. And, in this connection the renowned poet Dr. J. Cousins, in a beautiful article on the "Art of Nicholas Roerich" wrote in the Bharata Kesari stating, that the art of Roerich was regarded 'as a revelation'. Nicholas Roerich lives in eternity; he also inhabits time. But he makes his transient habitat a symbol of his eternal abiding-place. This is the special characteristic of the great mystics: they donnot depress heavens or 'draw an angel down', they elevate the earth and 'raise a mortal to the skies'.

## 'The Leader'

答条器

The Roerich Center of Art and Culture in Allahabad has published up to now nine volumes of the series of art monographs in connection with exhibitions he held undereiMenauspikeBustunhe Municipal Museum of Allahabad:

<sup>1) &</sup>quot;Nicholas Regrich, Painter and Pacifist. By R.C. Tandan

<sup>?) &</sup>quot;The Art of Vijaivargiya", Introduction by R.C. Tandan 3) "Art and Meditation". By The Anagarika Govinda. 4) "Kheyalia" - by Asit Kumar Haldar.

5) "The Art of Amrita Sher-Gil", Introduction by R.C. Tandan

6) Album of Vijayvargiya's paintings. Introd. by Dr. Suniti Kumar Chatterji.

7) "The Art of the Anagarika Govinda". Introduction by R°C. Tandan 8) "The Art of E.H. Brewster and A.B. Brewster. Introd. by G.H. Poole.

9) "The Art of Asit K. Haldar". Introduction by R.C. Tandan

These nine illustrated volumes give a beautiful picture of the art movement in India. Rai Bahadur Pandit Barj Mohan Vyas and Ram Chandra Tandan, the Joint Secretaries of the Roerich Center, have to be congratualted on these excellent artistic activities.

茶芸芸

Besides the Roerich Hall, hich has recently been enriched by six more paintings of Prof.N.Roerich and two paintings by Svetoslav Roerich, the Allahabad Museum has recently opened two halls dedicated to the art of Dr.Asit Kumar Haldar and The Annagarika Govinda. The Allahabad Museum was recently also enriched by Tibetan tankas collected by the Rev.Rahula Sankrityayana.

**传茶茶** 

The Nagari Pracharini Sabha (one of the oldest Literary Societies of India) in Benares has issued a national appeal for the erection of a new Building of the Bharat Kala Bhawan (Museum of Indian Art), which also has a Roerich Hall.

The Nagari Pracharini Sabha has recently elected Prof. Roerich a Honorary Member

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The St.Mira High School for girls, in Hyderabad, Sind, which is under the leadership of Sri T.L.Vasvani, has recently asked Madame and Professor Roerich for their inspiring messages and photographs for their magazine; which walkages shall appear in the next issue.

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A new magazine u der the title "Achal" has recently been published in vernacular in Almora. The magazine started with two leading messages by Sir Rabindranath Tagore and Prof. Nicholas Roerich. Prof. Rowrich also contributed an essay "Sacred Ashrams" to this magazine. Recent publications in India on the art of Prof.Roerich include: "The Art of Roerich" by E.Gollerbach, published by the Twentieth Century; "Roerich as Poet" (in Bhingali) by Colonel A.E.Mahon, D.S.O. in the "Vishal Bharat"; "Gurudev Nicholas Roerich" by K.P.P.Tampy with a Poreword by Dewan Bahadur K.S.Ramaswami Sastri. Essays by Prof.Roerich appear regularly in the "Scholar", also in the "Educational Review", "Maha Bodhi Journal", "Twentieth Century", "Vision", "Peace", "Mira", Prabuddha Bharati", etc.etc.

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The following books have recently appeared in India with introductions by Frof.Roerich: "Psalmoof Peace" of Guru Arjun, rendered into English by Prof.

Teja Singh (Oxford University Press Edition) and "The Ships and Boats of the Ajanta Frescoes" by M.Fathulla Khan. Several societiesm like the Boy Scouts Association in India, the Delhi Students Federation, etc. have received, upon their requests, messages of greetingsfrom Prof.N.Roerich.

The above four pages must be made to fit exactly 4 pages of the standard "SCHOLAR" size and right to the end of the last fourth page.

To achieve this spaces between the small sections can be adjusted either narrower or wider, but the the text should be made to finish at the end of the last page, not leaving blank space.

The General Secretary of the Boy Scout Movement in India requested Prof.

Roerich for a Message to all Boy Scouts in India and the following Message
was sent by Prof.RoerichL

On Sacred Vigil.

Greetings to the Boy Scouts of India .

This Message appeared in the "Jatri" magazine of the Bengal Boy Scout wagazines association and other boy scout magazines. In "Jatri" Prof. Roerich's article "Be Prepared" was also published.

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The member of the Urusvati Himalayan Research Institute, Rev.Rahula Sankrityayana, after his recent return from Russia, has now started on an expedition to Tibet, accompanied by Lama Chompel. Rev.Rahula Sankrityayna is in search of ancient Sanskrit manuscripts on Buddhism.

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The Maha Bodhi Society has requested Prof.Roerich to donate for the adornment of the Library of the Mulagandhakuti Bihara at Holy Isapatana, Sarnath one of his paintings. Prof.Roerich expressed his consent.

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The following of Prof.Roerich's essays have recently appeared in the Press of India: "Our lesser Brothers" - in the "Field" & "Landholders Journal".

"Confidence" - in "Vision", "Flame of Things" in "Prabuddha

Bharata", "To the Memory of Princess Tenisheva" in "Educational Review",

"Parapsycholoy", west "Tactica Adversa" and "Schools" in "Scholar",

the

"Learning and Loving Heart" inxiikinxaim and poem "Our Path" in "Mira"

the

"The Blessed One" - in "Maha Bodhi Journal" and poem "I shall Guard"

in "Peace".

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The journal "Esope", organ of the F.I.A.L.S. of March 1938 reports that the above address was a great and well-deserved succes for Dr.G.Chklaver, and that it was wholeheartedly seconded by the eminent poet Marc Chesneau.

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The Congress of F.I.A.L.S. on the 14th, 15th & 16th October 1937 adopted the following resolution addressed to the League of Nations: "The Congress submits the wish that the Roerich Pact for safeguarding historical monuments and works of art should be adopted by all nations and consequently become a universal law." The Committee then decided that four delegates should transmit the wishes of the Congress to: 1) The Foreign Office,

2) The Ministry of Education, 3) The Ministry of Home Affairs and 4) to the Town Hall. On the 23rd Dec.a delegation of the F.I.A.L.S. interviewed the Home Secretary, who was asked to transmit to Geneva the resolutions of the F.I.A.A.S. concerning the League of Nations. On January 20th 1938 the . International Institute of Intellectual Co-operation informed the Federation that the Foreign Office had the resolutions in hand and was going to transmit them to the League of Nations.

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Mme A.Kamensky, Privat-Docent de l'Université de Geneve, concludes her article "La Croix Rouge des Valeurs Culturelles - Le Pacte Roerich" as follows; speaking of the idea of the Roerich Pacte Mme A.Kamensky says: "This is very beautiful. And what is the future of the Pact? - In history there are periods when a new great idea is born, which enobles and enriches the world. These ideas always bring with themselves great progress and new conditions of life. They herald the renaissance for the whole of mankind. The Roerich Pact is the sign of our times. A Message of the New Era, which it announces. A new stronghold of the world is in process of being generated, - a stronghold of the spirit, perhaps. It is the conscience of the new era, which begins to manifest itself in the world.

In the IV-th volume of the "Vremennik" published by the Society of friends of the Russian Book (Paris, 1938) in an article by Mr.A.Roumanoff "I.D.Sytin - The Publisher" is reproduced Prof.Roerich's painting in defense of cities against annihilation through war. The painting is of 1915 and is called "The Enemy of Mankind" - thus the artist defined the destructors of cultural treasures.

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A Roerich Pact Committee has been organized in Shanghai, headed by S.Zenkeprinting
vitch, A.Tomashevsky and C.Danilevsky. The Committee is published a booklet on the Pact in English, in which will be published the opinions on
the Pact of local representatives in the field of culture. It is also
planned to issue in the near future a magazine in Russian.

26.26.26

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By Vladimir A. Shibayev .

If from the last Presidential address of Sir Edward Poulton "The History of Evolutionary Thought" delivered at the Annual Meeting of the British Association for the Advancement of Science at Nottingham we received the definite assurance that biologists with hardly any exception had "accepted evolution as a fact", we can this year look forward to great revelations both at the Meeting of the British Assn.to be held in Cambrdge on Aug.17-24th with Lord Raleigh as President and at the Meeting of the American Assn.for Advancement of Science at Ottawa June 27th July 2nd. At the time of writing the present review, detailed news of the latter has not yet reached India, but the very subject "Science and the Future" is a most promising one. When the best leading scientists gather to discuss "The Changing Values of Science", "Physics of the Future", "Chemistry of the Future", "Biological Sciences of the Future", "World Standards of Living" and "World Natural Resources", there is indeed ground to expect enormous advance of progress,

Another gratifying step is that taken by both the American and British Associations for Advancement of Science jointly, urging a world organization for science independent from racial, political and religious influence. The Secretaries of both these national organizations hope that such a world institution can reach agreement on fundamental scientific principles and can establish a zeries of inviolable methods of international co-operation and that thus an important foundation for the wider progress of humanity will be laid. Thousands of laboratories of the world conduct scientific research with enormous expenditure of labour and money and a synthesis of such efforts would be of incalculable advantage to mankind. Some results of the research of thousands of laboratories may only become evident many years later. In this connection it is interesting to remember that Dr.Alexis Carrellurges that some research, especially on the nature of man, should actually be planned to

to last a century at the least. He also stresses the imperative necessity to devote more research to the mastery of ourselves and comparing the enormous strides which astronomy, chemistry, physics and technical sciences have made, with that of the knowledge of man and mind, he asserts that the science. of man is the most eneeded, though the most difficult of all sciences. Although there exist several scientific institutions (like the Institute for the study of the human individual in Genoa, the Institute for the study of human relations at the Yale University, the Institute for the study of Wan in Moscow.etc.) the growing war madness of nations is causing enermous alarm amongst scientist and many of the latter are urg#ing scientific methods as paths to sality, and are planning how to prevent constructive beneficial peaceful scientific achievements being misused for destruction. No doubt as those domestic conducted by Pag. J. B. Rhine and mains of science, which touch upon the subtler energies, like parapsychology, find wider acknowledgment and are taken up by scientists all over the world. an approach will be reached towards a spiritualization of knowledge and towards the betterment of human interrelationship. In the present short review I want however to synthesize in general all spheres of human knowledge, especially from data that has become available during the last years.

ARCHAEOLOGY, ANTROPOLOGY and PALEONTOLOGY have gone further and further back in time when trying to estimate the age of man and life on earth.

Scientists agree that the so-called "Peking man" has lived in a cave in China at Choukoutien near Peking about half a million years ago and that he is a direct ancestor of man. Further discoveries of skulls of a man and a woman both between 40 and 50 years old show better preserved bone. Prof. Franz Weidenreich of the Rockefeller Institute of Peking believes that this Sinanthropus Pekinggensis forms a link between Pithecanthropus and the European Neanderthal man. New skeletons discovered in Palestine revealed old stone age men of about 60,000 years ago and a new type of a stone age man was discovered at Steinheim, Germany, its skull being older than the Neanderthal

man. Results of excavations in Mesopotamia brought to light xxxxxxxxxxxx of 4000 B.C. 4900x26 fine architecture and art wases xxxxxxxxx and various instruments found indicated flute music. In Western Palestine the Oriental Institute continued its excavations unearthing a palace with wall frescoes and floors of seashell mosaic. A hoard of gold and ivory jewelry, cosmetic jars etc. was found. The creek philosophers received mathematical knowledge from Babylon was proved by the deciphering of an four thousand year old babylonian mathematics book. In Siberia a fully preserved and perfect specimen of a mammoth was found, completely intact, 10,000 years old. In Utah, U.S.A. the remains of the carnivorous mammal Apataelurus were discovered said to tras determined as hundred willion years The manumade musical be 50 million years old and the age of the Dinosaurus instruments 30 thousand years ago from the bone of animals like eagle, swan and deer is another statement recently made by scientists.

ASTRONOMY has made enormous progress recently and the completion of the 200 inch reflector telescope expected to be ready in 1940, which will reveal a heaven 30 times larger than hitherto catalogued shall be truly an epoch making event. To be installed at Mt.Palomar, California and constructed for th e California Institute of Technology for a cost of over 6 million dollars the reflector will collect almost three quarter of a million as much light as the human eye, that is to say a candle-light shall easily be detected with it ten thousand miles away and objects only forty feet long will easily be visible on the moon. The penetration into space will be three times as deep as with the best telescopes available now. The whole mounting is completed, the "Pyrex" glass for the mirror has been cast, weighing seventeen tons and parabolic at present the grinding of the mirror surface is in progress. The the meantime astronomers have achieved colossal results with at present available telescopes .. Two super-novae (exploding stars) have been discovered, 500 million times brighter than our sun and spectra of nebulae thirty thousand times fainter than the faintest visible to the eye star have been photoECONOMICS. The construction of enormous granaries is urged by Prof. R.B.

Harvey of Minnesota University for emergency case(like drought, war or Woher catastrophes. Prof. Harvey considers this far more logical than hoarding gold, which has no practical value. With the present state of science such reserves could be kept in perfect condition for decades - wheat is known to be good for eating tafter fifty years and if proper refrigerating arrangements are made for the example in the Antarctic or elsewhere, there is no limit to preservation of food. Prof. Harvey quotes as proof of his theory the fact that scientists of the Russian Academy of Sciences were recently served with steaks of fresh flesh of the Siberian mammoth, discovered in the ice fully intact and estimated to be ten thousand years old.

ENGINEERING has also made tremendous progress lately. Such engineering feats as the Sydney Harbour Bridge, 1932 and more recently Bulder Dam with its Colorado River electric power project, the seventyseven million dollar San Francisco-Oakland bridge and the giant Triborough Bridge of New York comprising over seventeen miles of concrete and steel are indeed wonders. The fact that Boulder Dam hold 41,000 million tons of water has led seismologists to investigate the possibility of earthquakes therefrom. Recently the eighty mile Moscow-Volga canal has been completed, involving the construct, tion of seven large lakes and artificial reservoirs, the largest of which is 90 miles long and in some places so wide that the other shore can only be seen in excellent weather. The construction of this lake, known as Moscow local, required the removal of 127 villages and 4,500 homesteads. The canal has nine bridges, two tunnels, 8 hydroelectric stations, 12 dams and 11 locks. In America a new electron furnace has been constructed which melts even itidium, platinum, by bombardment with streams of electrons. The temperature reached is four and a half thousand degrees F., - half of the temeprature of the sun. The conquest of space by #increasing speed of communication by land, water and air is another vast field of application of engineering skill.

Colossal aeroplanes are being constructed in the United States, England, Russia. Germany. France. The result of aviation is best shown by quoting some of world records. Rounds the world: Howard Hughes on July 15th 1938 on a Lockhead plane in 3 days 19 hours 16 minutes is the latest U.S.A. record. Covering. almost 15 thousand miles in about 61 actual flying hours this gives an average speed of 161 malies per hour. Altitude record: Flight-Lt.M.J.Adams, Great Brtain climbed almost 54 thousand feet. Longest non-stop flight; Gromov. Yumashev and Danilin (Russia) flew on July 12-14,1937 from Moscow via North Pole to San Jacinto, Calif. in 62 hours. Short distance speed record is stell held by Francesco Agello (Italy) who on Oct. 23, 1934 on a Macchi aeroplane covered a 3 klm course at a speed of 440.6 miles per hours. The speed records for 100 klm.has just been taken by Udet (Germany) who on a Heinkel aeroplane with Daimler-Benz motor covered this distance at the average speed of 634.370 klm per hour (almost 400 miles p.h.). Igor Sikorsky the famous aeroplane designer La Bus der living in the U. T.A. considers that an altitude of about 75 thousand feet and speed of 500 miles per hour is the practical limit until a new source of energy, giving more power per unit of weight, will be found. Automatic aeroplane landing is an accomplished fact, the pilot only staying by to check the automatic landing pilot, but not taking any action whatever in the landing. In some countries, like northern Siberia and Alaska aviation has become the chief method of transportation, there being villages on the north Siberian coast for which the aeroplane was the first mechanical means of communication they have ever seen, as no motor car has yet ever been there. In the rapid transporation of expensive furs in difficult accessible places of Siberia aviation has taken a firm commercial feeting. Germany continues competitative experiments with airship and the new LZ-130, helium lifted, is nearing completion. over eight hundred feet long, taking seven million cub.ft.of helium, Diesel engined with speed about 80 miles per hour, this airship will take 40 passengers, which is somewhat less than LZ-129, because of the lower lifting power of helium as compared with hydrogen. Helium has enromously

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dropped in price. Some twenty years ago it was \$2000 per cubic foot; whereas was a shipment, recently sold by the U.S.government for \$60, would at that time have cost almost six million dollars. The Amarillo plant in Taxes is said to have Helium reserves of anost two thousand million cubic feet. As regards rockets, P.E.Cleator of the British Interplanatary Society stated that a trip to the moon is actually possible to-day it being merely a matter of espense: a hundred million dollars for a twenty ton three-step rocket requiring over four thousand tons of fuel. Einstein, Lindbergh, Compton, Goddard are keenly for interested in space rockets. The speed in land and water vehicles has not changed much, being 311 and 126 miles per hour respectively. Balloon altitudes are 74 thousand feet (U.S.A.) and unmanned sounding balloons have actually reached 125 thousand feet. Motorless Glider records are at present for distance Rastorguyev Russia 388 miles, for altitude Steing, Germany 18,750 ft and for durection Jachtmann, Germany 41 hours.

GEOLOGY. In America with new apparatus scientists have determined the weight of the earth to be six and a half million million years. From calculations of the presence of Lead and helium in rocks it is estimated that earliest plants which hat skeletons, shells, and other fossil forming parts had existed on earth over five hundred millions years ago, whereas the abiotic era is placed at over one and a half thousand million years back. age of life on earth Riversates of the Karkhinger, based on radioactive potassium seem to agree with results derived from previous studies of uranium, and these estimates give one and a quarter thousand million years for the beginning of life on our planet. The amount of sald added to the ocean each century has for long been the basis of estimating the age of the ocean, which is now placed as between half and three quarter tousand million years. Our earth itself is believed to be a full two thousand millions years old and dinosaur are known to have lived a hundred million years ago. - That volcances bring up enormous treasures from the depth of the earth to the surface is proved by

up to now Externed from volvanic deposits there, are valued at two hundred seventy million dollars. - A glacier in Alaska has been measured to have moved five miles during four months. - Japan is no doubt leading in earthquake restlessness four being recorded per day, and of the almost two hundred vocances in Japan, over fifty are still alive.

MEDICINE. It is quite impossible to even attempt to describe the vast number of achievements which have been attained in the medical field, but no doubt Dr. Alexis Carrel's experiments, to begin with the famous continuation of life of the cell of a chicken in a special liquid discovered by him, started in 1912 and this chicken cell life still going strong to-day and as a matter of fact Carrel assures, forever; leading up to the Carrel-Lindbergh apparatus for keeping removed human organs alive for weeks and even months, were the help of a three chamber perfusion pump which splashes blood over the organ and at the same time removes the wastes (the latter being the most difficult and most important part of the discovery) have given an enormous impetus to surgical science and biology. By the way, Dr. Carrel having completed his term at the Rockefeller Institute of Medical Research, where .. he has been since 1906 (peculiar regulations of this Institute motmpsxmimking requiring that scientists should return on having reached 65 years, which he just has) has arrived in France and will continue his experiments and work there in conjunction with Colonel Lindberg to whom perfusion pumps are as near to the heart as aeroplanes. - A most interesting chapter in medicine is the curative property of the poison of snakes, known thousands of years ago in ancient Egypt and for the last centuries regarded as crass superstition. Duget, Demarties, Lotal in France, Burbhardt in Berlin, Ditmar and Schroeder in New-York have all confirmed the helpfulness of the moccasin snake and many other kinds in cases of epilepsy, lumbago, tetnus and even cholera and many of these physicians already apply this cure. Many hospitals also test serums from cobra poison for cancer tumour curing etc.

The discovery and application of hormones has also been continued. Hormones have been found in urin, sometimes even in larger quantity than in blood and many scientists are inofavour of autourotherapy. Two physicians in France have found that injection of the patients' own urin has excellent results in the case of nervous asthma, skin diseases, hayfever and have recorded out of 456 experiments - 342 cases of complete recovery and 75 cases of considerable improvement. - Russian scientists have found that the blood of normal people gives off radiation and the study of such radiations may help diagnosing diseases. Apparati for recording the intensity and sound of heart beats have been perfected in many countries and from England the recording such a phonostethograph has been transmitted by radio to the United States, the reception being absolutely perfect, which makes consultation by radio even across the atlantic a possibility of the near future. Russian scientists have used a similar method, obtaining records of heart beats on a celluloid ribbon for reproduction as sound film, from the hearts of pilots who are at enormous heights thus studying the altitude effects on the human heart without the necessity for a physician to accompany the pilot. - That the electrical waves emitted by the brain can be used to locate tumors or scars on the brain without the painful process of having to crill through the skull in order to take X-ray photographs has been discovered by scientists of Chicago university. Special centers in the brain, one acting as a thermostat in adjusting bodily functions in case of excessive heat or cold and another acting as an alarm clock waking persons at a definite predetermined hour in the morning, have been discovered, It has also been found that some forms of insanity are due to some sleep inducing medecines. The question of latent and suspended life at low temperatures of three hundred degrees F. below zero have been investigated by scientists in California and positive results reached with low forms of life. This change of temperature has to take mainthym place swiftly; since death in taxe in case of cold is due to

physico-chemical reactions, if one gets the cells rapidly past these temperatures, where such reactions occur, "death has apparently no time to take place".

- Scientists who investigate the reaction of various foods on the human structure declare that humanity's future will to a great extent be depending on what man will choose to eat.

PHYSICS. Atom smashing apparati play the most important role in the artificial desintegration and transmutation of the atom. American scientists have constructed several "cyclotrons" - atom smashers in various parts of the U.S. obtaining colossal potentials of & millions volts and more, subjecting atoms to a terrific bombardment of electrons. It is even expected to reach 50,000,000 volts. Wisconsin University has constructed an atom smasher with a steady working potential of 2,700,000 volts which can be regulated. thus differing from others that they can determine the energy of particles. By botbarding chlorine with helium nuclei Yale university has succeeded in transmuting chlorine into potassium. Over 200 new forms of atoms have been added to these previously known, but most are unstable some only existing a few seconds. A new subatomic particle has been discovered, 150 times the mass of an electron, said to be an intermediate between the electron and the proton. 4 That cosmic rays strike the earths atmosphere with energies of ten thousand million volts has been observed, also that cosmic rays show some daily variation in intensity. Dr.K.T. Compton measured the electron by a new process and found it lighter than previously estimated - about one thousand million million million th part of a gram. The physical laws governing stars and electrons have been proved to be identical. - Colossal presures of three quarter million pounds per square inch have been obtained changing matter into new forms, from what Harvard univesity scientists conclude that nothing definite can be judged about the material at the center of the world where pressure is almost fifty million pounds per square inch. A small thousand volt battery has been constructed, weighing only two pounds.

The A.E.G. company of Germany has been successful in constructing a camera with revolving lenses which can take one thousand exposures per second, By some method these are subdivided giving 80,000 exposures per second. -An American optical company has constructed a lense with a speed of f:0.59.

This was used in photographing the faint nebulae at Mt.Wilson observatory, mentioned in the chapter on astronomy. Vene with this lense the exposure was sixty hours to obtain a two and a half inch long photograph of the nebulae's spectrum.

In the preceding pages I have hardly been able to skim the surface of scientific achievements. Many records may also have changed already since the time of writing and many other interesting items may have missed reaching our remote mountain station in northern India altogether. But even so the tremendous achievements of science of the last years are evident. How much they have helped to better man and human interrelations will be for the future to show. At present many scientists are alterned by the growing war insanity of nations equal to mass mental disease, and by the misuse of constructive peaceful attainments for annihilation. The number of scientists is growing who advocate the application of scientific methods for bringing back to sanity misguided belligerence. Perhaps if more stress is laid on the science of man, on the science of culture and if scientists succeed in bringing to life the world organization for advancement of science, perhaps then science's role as a benefactor for mankind will become still more prominent.

Naggar, Punjab. Summer - 1938 of At. Vilso Observatory and are satol to be

graphed, eighty million years distant from us. Three more elements, osmium, iridium and thulium have been discovered on the sun, bring the total number of known elements on the sun to sixty one. Interstellar space was found to contain potassium and calcium and astronomers of the Carnegie Institutions of Washington assert that interstellar space is by no means as empty as hitherto believed. A Subic yard is reported to contain twenty millions each of free electrons and hydrogen atoms, about hall a million photons, a few sodium atoms and very few potassium and calcium, Larger units of cosmic dust, as large as smoke particle are estimated as one particle in every million million million dubic yards. \ Fo r periodic comets and six new ones were recorded. "Erost elongated box spaped thirtyfive mile long little planetoid came to within twenty millions miles from our earth. It was found to be topling over in its novement hense its flickering. The nearest other planetoid observed is "Hermes" on Oct. 1937, half a mile long, but venturing very close to our earth - only some 350,000 miles. That the surface if fifty degrees centigrade was also reported. During a total solar eclipse Major A.W. Stevens flying in an heroplane about 25,000 ft high over Peru obtained wonderfully clear photographs of the corona, estimated to be even globular a million miles thick. Sunspots were again on the increase showing magnetic storms etc. worse than in 1871. But the greatest number of sunspots is foretold for 1929.

SCIENCE DIGEST the Away of Broth many thought meeting of the British Association of Science beta at Nottingham last Sept. 1st 1938, we received the definite assurance that science healogent with hardly any exception had accepted evolution as a fact we can this year look poward for the pleaser your and and the theeling the Allen and frances at Olawa June 27- July 2. ad the Arme of touting Also present Particle detarted men of the Catter has not yet reached into But the Catter has not yet reached into But the Produce is a very ordiner one. When the France "Charten has gether has been the Chargen radies of the Future letuch to Rol. Charles, "Physics of the Future laddren of the arthur the Compton regical transfer to the future of the tuture of the truture of the tr A.Rice and World natural Resources (F. E. Leshe there is indeed fround to expect not out aa enormous advance of Knowledge med progress dud then most grat fring Mey is that saken by to both the ten Autist and america alins fruth argins a world oppningation for Skrienele undependent 5-38-274. from racral, political and religion influence The Secretaries of bothe these national organizations hope that such a wine organizations hope that such a wine or fundamental

Scientific principles of an estical dature and establish d'ornes of mir Hable methods of international cooperation and that Thus a the un portant foundation for the Border progren of humanity will be laid. conduct sixual of laboratories of the wored with carrious expended of flaton and financial would be of incalculable advantage to mankind in climinating washe and assuing greater Structory. Fruit of the Consequences Deoults of these About ands of received laborty researches may only thing fruit in many years laker. It is Underesting to beweather in the Connection that & allekis Canell is of the opinion that some research, explession The on the astone of wan should altriale? be planned to last a century at the fedst Ale also otranes the topa fismen imperative necessity to devoking more 52 Asearch to the mastery of ourselves, and comparing the enormous strades robiel astronon, chemint, phys & dechuese mechanics lave made, with the Murvledge of man and mind he orserts, that then the ference of Man es she most difficult, if all sever

288 × Rusaria What wood it benefit if mai Dan madnes about nil rest but exerspe Combay senous

A piece of jade weighing almost 20 pounds was found in mayan mound near Guatamala City by an expedition led by Dr.A.V.Kidder for the Carnegie Institution of Washington.

that

Dr.R.E.M.Wheeler reported the excavation at Maiden Castle near Dorchester reveal all the known phases of urban life in England before the building of Roman towns. The earliest settlement was built approx.4,000 years ago.

An expedition under the direction of Marcel Pommier discovered a Roman swimming pool tentatively dated as build 36 BC in a street in Plombieres-des-Bains. France.

Relics of Egyptian glass dating back to 2000 BC were found by the Swedish archaeological expedition working at Abu Ghalib under Dr. Hjalmar Larsen.

The discovery of three skeletons at Mapungubwe Hill, N. Transvaal indicated that the early inhabitants of S. Africa made glass.

Dr.J.J. Obermann Yale University stated that the Greek alphabet was not derived from the Phoenicians as has long been generally accepted by scholars, but from Northern Syria. Dr.O's theory is that the Greek is derived from a Semitic system as revealed in cuneiform tablets found at Ras Shamra.

The Oriental Institute's expedition at Megiddo , western Palestine, the Armageddon of the Bible, unc vered Egyptian cosmetic jars , jewelry and other artifacts. Gordon Loud, field director, reported that party had investigated a palace with frescoes walls and floors of seashell mosaic.

Buddhist, Colombo, June 1938, p.37 Flight Relics of Palaeolithic man. A workshop in which flint and bone tools were made some 15,000 or 20,000 years ago is reported to have been discovered in the Novgorod Seversk district of the Ukraine. In all ten camps of ancient man belonging to the late palaeolithic (clastone age) period have been unearthed. Over 30,000 toools have been found. Other finds in this district include bones of animals of the ice age - a mammoth, a rhinoceros, polar rodents, and a polar fox.

1036/

Whit-3º, p. Gold mines of the bronze age. An expedition sent out by the Soviet Government discovered a source, whence prehistoric people obtained a supply of gold at Kazakstan in Central Asia. The mines had been worked by a large number of workmen using tools of stone and the bones of animals. There were primitive ore crushing plants, constructed of stone slabs and hammers. Two skeletons of these bronze age miners were found, who had been killed by a fall of the roof. In one of the skeletons was a necklace of glass and clay beads, and in one hand was a bronze chisel and in the other a stone hammer. The mines were 0.75 m wide and 20-25 m deep and were connected by ventilated underground passages 100-150 m long, which were illuminated by fat in shallow bowls, a few of which were found. Stone cross pieces were used as props and polished slabs and triangles of stone, were discovered which appear to have been used on the Kazakhstan steppes as sign posts for caravans on the way to the mines.

Whit.38 p.1038. Hittite Discoveries, Sir Leonard Wodley's report to the British Museum's archaeological expedition to Northern Syria records discoveries on Hittite occupation which would seem to confirm Bible references to the relations of the Hittites and the inhabitants of Palestine in the patriagnrchal age, In completing the excavations at Mina, an isolated area with

in what is believed to be the aristocratic area of the quarters of the city was opened and a magnificent building, one of the ginest yet found in Northern Syria was disclosed. It was a Hittite structure built of basalt, mud brick and timber. The approach was from a tile-paved area by way of a flight of basalt steps between platform buttresses and led through a collonade into a wide entrance court. In the chambers adjoining the court were local and imported potteriesy, including Cypriote pottery and of the bronze age. Portions of two literary texts, the oldest cureiform documents yet found in Northern Syria, were also discovered. Inscribed tablets suggest that there was a royal library. The date of the building ranged from the 12th back to the sixteenth cent. B.C.

Excavations at Castle Dore, England have irratively laid barethe foundations of what the great hall of a palace believed to be that of King Mark of Cornwall, measuring 80 gtx36 ft. The earliest level of occupation capable of holding 150 inhabitants is dated not later than the second century B.C. Dore Sastle is near Tywardreath.

...p.1039. It has been decided to preserve the cite f the Roman Forum, discovered by Miss Kathleen Kenyon as an open space. This Forum was built about the 4th century A.D. and has one of the largest hather Roman baths, ever built in England, in the center, it Therefore was of enromous scale, comparable to the Imperial Baths in Rome, and had cold, warm and hot rooms.

... Maiden Cas le, the great prehistoric earthwork near Dorchester, on the site of which there existed a British to n 4000 years ago has undergone excavations new for the 4th successive year (now 5th.). Bronze spiral toe rings were found on the toe of a warrior.

(Sinanthropus Pekinggensis)
...p/1040. The family of "Peking man" has been enlarged has been enlarged by the addition of the skulls of two individuals, which were found during excavations at Choukoutien, the site of the discovery of the "Peking Man". Prof. Franz Weidenreich of the Rockefeller Institute of Peking, where the skulls were taken, had explained that the newly found skulls are of a man and a woman, who were both between 40-50 years old. The two previously discovered skulls were those of juveniles. The female skull has many similarities with the Pithecanthropus male skull. It is however much higher and nearer to that of the lower "Neanderthal Man". The Professor believes that the various specimens of Peking Man forms link between Pithecanthropus and the European Neanderthal Man. ...

SNL-37-403 Peking man inhabited a China cave more than half a million years ago.

A new type of Stone Age man was unearthed at Steinheim Germany with skull older than the Neandertal Man.

A prince's palace occupied in give historic eras was unearthed at Megiddo Palestine and also a great hoard of ivory and gold art.

SNL-37-404 Skeletons in Palestine cave reveal Homo sapiens present among other less enduring types of the Old Stone Age man as early as 60,000 years ago.

Teoe Gawra, Mesopotamia, "world oldest city" was revealed as having flute musix, art vases and fine a chitecture at the very early era of 4000 BC

A Babylonian mathematics book of 2000 BC which contained many ideas heretofore credited to Freek thinkers, was deciphered.

SNL-37-405 A perfectly preserved hairy mammoth probably more than 10,000 years old, was found frozen in a Siberian bog with hide and flesh intact.

Fossil bones of a hippopotamus-sized mammal that lived in Colorado forty five million years ago, when the Rocky Mountains were a flat grassland, were discovered.

Apataelurus, a primitive carnivorous mammal of 50,000,000 years ago, whose remains were f und recently in Utah, greatly resembled the saber-toothed tiger that lived only 1,000,000 years ago.

Dring sexuemmen minex ex with each end

SNL-3º 282. Stone age man 30,000 years ago made the worlds first musical instrumen out of the bones of swan, eagle, deer and other creatures.

Wo-Al-38.p.180:

Dr. Charlotte E. Moore, PrincetownU. states that the discovery of mosmium, in

iridum and thulium on the sun made 61 known elements af the sun.

The third largest group of sunspots recorded was reported in July 1937 by Mt.Wilson Observatory scientists. The largest group ever photographs was in Jan.1926 and the second largest in February 1917.

Dr.L.A.Kulik Russian Academy of Science, reported that he had located the crater saused by the Siberian Meteorite fall of June 30,1908. he made earth borings in the crater and found meteoric bits of nickel!-tron together with blue silicate glass which was formed by the heat generated by the meteor's fall.

Dr. Edwin Hubble, Mount Wilson Observatory found a slight red reddish light emanating from nebulae which did not substantiate the theory of an expanding universe. Mr. M S. Sambursky, Hebrew University, Jerusalem, used the colour of the nebulae as the basis for the theory that the universe is not expanding but shrinking.

The steel mounting for the 200 inch telescope to be placed on the California Institute of Technology observatory on Mt.Palomar was completed. Grinding on the face of the lense was begun.Present plans call for the completion of the world's largest telescope in 1940.

Whit.Al.38-1040

The Total eclipse of the sun started on June 9 and crosing the dadate line ended on June 8th. lasting 7m4 sec. The U.S.Naval Observatory and Nat. Geogr.Soc.'s joint obervations on Canton Fsland, South Pacific were very successful although the totality there lasted only 3½ m. Photographs and films of the eclipse were taken by Major A.W.Stevens, from an aerop lane flying 25-30,000 ft.high.over Peru. These photographs seem to prove that that the sun is surrounded by a globular envelope or atmosphere more than a million miles deep.

Dr.M.L. Humason, of Mt Wilson Observatory, Calif. by using a photographic Rayton lens, which is claimed to be the bastest in the world, has been able to photograph, through the great 100 inch reflector, spectra of nebulae 30,000 times fainter than the faintest star visible with unaided eye. These nebulae have been calculated to be 80,000,000 light years distant from the earth. It was necessary to make an exposure of 60 hours to get a photograph about  $2\frac{1}{2}$  inch long of the spectrum. From this spectrum Dr. Humason found that a faint cluster in of the nebulae Ursa Major, probably one of the most remote clusters known at present, was receding from the earth at the rate of 26,000 miles a second. Dr. Humason stated that he had made a photograph and calculations to verify the theory of the Dutch astronomer, the late Dr. William de Sitter, that the universe was expanding, and that the recessive velocity of the nebulae was proportional to their distance.

WO-Al-38-p.181.

Dr.W.B.Rayton, Bausch and Lomb Optical Company, designed a lense to be the fastest in the world. The speed is f:0.59 Used with the 100 inch reflector at Mt.Wilson the lens has photographed spectra of nebulae 30,000 times fainter than any star visible to the naked eye.

Whit.Al.38-1042.

The large amount of sunshine available in Calif.during the summer has led to the extensive use of solar wa ter-heating apparatus for domestic purposes.

The solar absorber consists of a zig-zag pipe in a glass covered, thermally insulated box placed on a sloping roof facing south. In front of attiv windows to that the glass may be readily cleaned. An insulated pipe leads from the top of it to the top of an insulated hot water tank in the attic roof, and another pipe from the bottom of the absorber to the bottom of the tank. In the winter the solar absorber is supplemented by a coil in the range connected to the tank in the same way. It is estimated that such an apparatus will last 15 years and the cost of 1,000 British thermal units og solar heat absorbed to be about one-ninth of a cent.

SNL-37-404 Discovery of two great exploding stars super novae the astronomers call them through the use of a relaticely small Schmidt telescope operatin from Mr.Palomar.Calif. was an outstanding feature of the astronomy of 1937.

These super-novae only 15 of which had been discovered oin all previous history were each 500,000,000 times the sun's brilliance and they were both extremely distant in the heavens.

wo new interstellar gases, neutral potassium and calcium were discovered.

Sub-stratosphere airplane photographs of totally eclipsed sun, June 8, showed corona to be uniform, globular, million mile thick blanket.

Temperature drop of 1500 degrees Centrigrade was observed between sun's surface and its overlying atmosphere.

Sunspots increased in number, bringing magnetic storms and radio-fade-outs exceeding any previous sun spot activity since 1871.

Six new comets or asteroid were reproted: Whipple comet, Wilk Comet, Gale comet, Finsler comet which reached naked eye brilliance and developed two tails, Hubble comet and Reinmuth object which moved very speedily.

Returns of the following periodic comets were observed: Daniel 1909, Grigg-Skjellerup, Schwassman-Wachmann, Encke.

Tros, tiny planet neighbour to earth, was shown to be shaped like ahuge brick tumbling end over in sky, which explains light variations.

Temeprature of the surfave of the planet Venus was estimated by Lowell observers to be 50°C.

200 inch Telescope mounting and dome were completed.

SNL-37-409 Empty space, out between the stars, is anything but empty. Research by astronomers of the Carnegie Institutions of Washington shows that all sorts of things are rattling around in it. Although it is much closer to a perfect vacuum than anything human means can produce, in a laboratory, an average cibic yard of it is stocked with: 20,000,000 gree electrons, 20,000,000 hydrogen atoms, five sodium atoms, one potassiom atom, 400,000 photons or light darts in adition there is one calcium atom for every ten cubic yards of inter-stellar space and one titanium atom for several hundreds hundreds of thousands of cubis yards. Larger units of matter, averaging perhaps the size of s smoke particle, also float about, as dosmic dust. One such grain might be filtered out of each 1 million. million, millions cubic yards of interstellar space.

## ASTRONOMY III

Ers, 35 mile long, flickering planetoid came within 20,000,000 of the earth in January 1938 - coffin shaped. Hermes in Oct.1937 half mile long celestial runaway came even within 362-000 miles from the earth.

Wo-Al-38-181p: E.G.Rex State Superviser of plant pest control of New Jersey reported that 500,000 elm trees had been killed in a period of ten months in the ffort to stem the Dutch elm disease.

... Prof. James Gray, Cambridge University, England reported that the four activities of fish indicated that its brain was similar to man's. The activities listed inclide rigi reflexes, power to form associations between events, power to migrate, usggestion the possession of memory and power to display emotion. In his lecture on "Fish Mentality2 he mentioned that it has been known for a long time that when bells in monasteries were ringing carps in fish-ponds came to be fed, if feeding was regularly given at that time. If a pike and a minnow are put in a tank, the pike will at once rush at the minnow and swallow it. A glass plate was then inserted and the like bumped his head against it. After a number of such experiences he gave up dashing for the minnow. Then the glass was removed and the pike still abstained from going for the minnow. Prof. Gray stated that a kind of modified education of fish was possible. rof. Gray also retold the marvellous life histories of the eel and salmon. The former goes to the coast of Florida to breed, and the young ones of the the species xx find their way back across the Atlantic and up the rivers of Europe. Salmon live in the sea and come hundreds of miles up rivers to spawn. while their young afterwards go to the ocea and themselves return to the sam (Whit-38-1033) rivers and no other, to breed.

Wo-Al-38-185p
Dr.William Beebe complete his 25th expedition fornthe NY Zoological Society.
During the expedition Dr. Beebe walked at a depth of twenty four feet for a quarter of a mile on the ocean floor near Nonsuch Island Bermuda. He reported the light comparable to bright monnlight and the marine life "amazingly" abund-

...182p Cornell University scientists under the direction of A.J.Heinicke amd N.F.Childers found that an apple tree works trenously for only about five hours a day, manufacturing starch, which is the tree's food.

the largest flower in the world, was made by botanistsat the New York Botanical Garden, where this rare member of the arum lily family bloomed for the first time in America. Only five specimens of the flower have ever been cultivated outside its native habitat, the jungles of Sumatra. This flower has bloomed only twice in Kew Gardens whit-38-1035 A patent has been granted in the US for a cotton picking machine which it is claimed pucks only fully ripened bolls, exercised by means of a photo-electric cell, a discrimination hitherto possible only for human pickers. The Inventor Mr. Charles S. White of Moline, Ill states that unripe bolls are ignored by the machine, because there is not enough white cotton in them to make the "electric eye" function.

Whit-38-1036 Gold in some plants (like the Equisatum Palustre) growing in soil known to contain gold, absorb gold and the plant ash has proved to yield 610 gm per ton of ash.

Whit-38-1040 An important application of Vavilov's geographical method in the study of economic crops has been made by Russian plant breeders with regard to potato. In the course of expeditions to South and Central America, the original home of the potato, more than twelve cultivated and thirty wild species

# BIOLOGY II

of thepotato were found in place of the single cultivated species previously known. The properties exhibited by these forms have provided a great stimulus to potato breeding, and are expected to result in the potato crop being grown over a much wider geographical range than has been possible hitherto, for one species has been found which forms tubers under sub-tropical condition, that while others occur that can withstand frost. High protein contents and disease resistance are properties also shown by these newsly discovered forms.

whit.1044 Giant Flower. The greenhouse containing the flowerhad been maintained at a temperature of 96 degrees. with artificial tropical rain. After it had lain for five years apparently dormant, except for the production of three leaves, at bloomed. The flower rose to the eight of 8f5" with a stem 17 inches high, and 17 in circumference. The spadix of the central spike was 6f12" and bthe bloom itself which resembled an inverted bell was 12f.10 in circumference. It was yellow and green outside and maroon inside. The spadix was yellow, the stem was dark blue and green, with yellow spots. The flower emitted an overweringly offensive odour.

SNL-37-404 Hearbeats of insects were recorded with a new mechnism.

Study of brains of lower primates showed them to be remarkably symmetrical, coning human human and higher ape brains, which are somewhat kopsided.

## CHEMISTRY

WoAl38-182. Dr.A.K.Brewer, U.S.Bureau of Cheistry and soils reported that the age of the earth based on the study of radioactive potassium was 1,430,000,000 years. The time time approximates the 1,500,000,000 year estimate based upon the study of the "urnaium-radium-lead clock".

Dr.L.R.Cerecedo Fordham Univ reported that he had found a method by which vitamin "B" could be added to salt and used at the dinner table to replace the natural vitamin lost if hte cooking of green vegetables.

A method to make the anty scurvy vitamin "C" especially useful to people living i in the arctic, from the sweet briar rose instead of conifers, was announced by Prof.P.V.Golovin, president of the Vitamins council of the Soviet Comissariat of Food Industry.

"Velan"a chemical compound which is claimed to render textile materials permanently "water-repellent" has been perfected in the dyestuffs laboratories of Imperial Chemical Indisutries. It differs from existing waterproofing media in that it combines with the material and does not merely close the interstices.

SNL-37-405 Element No.87 reported discovered and named Madavium.

Glas fibers were more widely used for special textiles.

SNL-38-1620

A quarter of an ounce glass ball can be drawn into a thread 300 miles long.

SNL-38 285 (ready) by administering a single dose of thallium compounds to sheep, Prof.Iljin of the Russian WoolmLaboratory found that he could cause sheep to loose all there wool, as if they were shown. If the doese was small 9 milligram the fine wool predominately feel out, if it was 12-13 milligrams both coarse kemp and fine fiber fell out. This may possible have economic importance.

SNL-38-37p. Prof.R.B. Harvey of Minnesoat University urges the construction of enormous granaries, for use in emergency of drought, war or other disaster. which he states is far more logical than the hoarding of gold which is of po practical value. With the present state of science such reserves could be kept in perfect conditions for decades - wheat it is known is good to eat after 50 years and if proper refriderating conditions as established for example in the antarctic or elsewhere there is no limit for preservation. Prof. Harvey quotes as proof of his theory the fact that scientists of the Russian Academy of Sciences were recently served with steaks of the fresh flesh of the Siberian mammoth, discovered in the ice intant fully intact and ten thousand years old.

Cotton picking machine should come here.

#### WoA138-183

Made of synthetic resin "firefly glas an invention of the Du Pont Company is as clear as real glass, much lighter and unbreakable. The glass can absorb rays of ulteaviolet light and then give them off like the phosphorescence of the firefly for several seconds. Lucite, as the new plastic is called, possesses many of the characteristic of quartz but can be cut, cemented, moulded and polished.

The German General Elect ic Company reported the perfection of a camera with revolving lenses capable of making 1,000 exposures a second. These are subdivided to that 80,000 exposures can be taken in one second.

The completion of the Vaiga Moscow Volga Canal 80 miles long is announced This involved making 7 large lakes and artificial reservoirs, the largest of which has a surface of 123 squ.miles now called Moscow Sea. 127 villages including 00 homesteads had to be moved to make room for this one lake ahone. 246,000,000,000 gallons of water. it is 90 miles long irregular in width but in some places the other shore cannot be seen. The canal has 11 locks, 12 dams, 8 hydroelectric stations, nine bridges and 2 tunnels.

SNL-37-1937 411 Golden Gate Bridge and the San Francisco Oakland Bay Pridge were completed and a man made mile square island created between them.

A coaxial cable, carrying 240 simultaneous telephone conversations or one television message was put into operation between New York and Philadelphia.

The word first "Free flight" wind tunnel for aeronautic reasearch was completed.

A new worlds aviation records for distance 6305.7 miles was made by a Russian airplane from Oscow overhe North Pole to San-Jacinto, Calif.

A new unoffical ladplane speed record of 376.16 miles per hour was established in Germany.

A new altitude mark for heavier than air craft was set at 53,937 feet in England.

A new auto speed record of 311,42 miles per hours was establisehd,

A motorboat speed record of 126,325 miles per hour was set.

1936 - SNL-36-411 Boulder Dam and its accompanying power project on the Colorado River in Nevada was completed and the first power was transmitted to Los Angeles on Oct.9,1936. - The 77,000,000\$ bridge over San Francisco Bay connecting Oakland and San Francisco was oeped to traffic. - Giant Triborough Bridge in New York with 17½ miles of steel and concrete was opened to traffic.

En SNL-38-107 New Electron furnace melts iridium platinum etc. by bombardment with stream of electrons and reaches found and a half thousand degress F, which is half as hot as the temperature of the sun. The electric potential applied is 2500 volt.

Howard Hughes on July 15th completed at New York his round the world flight on a Lockhead plane in 3 days 19 hrs 16 m. the total flying time being in the air 61 hrs 7 m. and the distance flown 14886 miles. (Previous record Wiley Post 7 d 18 hrs 49 m. Hughes(s average spead was 161 against Post's 83 - C&M Gaz. 16 July 1938 p.1.

Whit.1067
The altitude record for aeroplanes is held by Flight Lt.M.J.Adams, Great Britain who on June 30,1937 climbed to a height of 53,937 feet (over ten miles.

World altitude record for ballons is held by Major A.Stevens and Captin O.A. Anderson U.S.A. who on Nov.10,1935 reached 74,006 ft (over 14 miles0). on the Ballon Explorer II. "Sounding balloons unmanned have actually reached over 125 thousand feet.already.

#### Whit. 712

Longest Non stop flight Gromoff Yumasheff Danilin on aeroplane from Moscow via North Pole to San Jacinto, Calif. July 12-14 1937 6.700 miles - 62 hours.

Whit.712

709 klm (Italy)

on 3 klm course The speed record by Francesco Agello o Oct.23,1934 on a Macchi am aeroplane when he did 440.6 miles per hour has been not been broken until x quitexemently x when (Gazeta Dlia Vsekh 26, 26 June 1938) Udet (germany) on a Heinkel aeroplane with Daimler Benz motor covered a 100 kilometer track at an average speed of 634.370 klm per hour. quite recently establishing the 100 klm speed record. The combined altitude with 2000 klg payload record is held by V.Kokkinaki Russia with 36 thousand feet, whereas the combined speed for 5000 klm with 2000 kgm payload record is held by the USA with 169 miles per hour. (this is probably beaten.

Feminine records are much lower, and for various classes are held by

France, USA, Britain and Russia.

SNL-37-402. Aviation is bevoming one of the chief methods of transportation in Alaska.

SNL-3°-68 Automatic aeroplane landing has actually been achieved in America some time back, the operators onely staying by to check the automatic pilots but not taking an action whatsoever in the landing.

SNL-39-164 SC-4 Aeroplane particulars.

Whit-1065 (already condesned, ready for type).

Gliding: The skill in gliding in motorless planes is to make such use of thermal currents that the pilot gets from one to another without loosing height. In reviewing the latest progress of gliding British gliding pilots state:

"The crack German pilots are experts in this delicate technique, but there are a good many Russian who run them pretty close. Great Britain has establighed an award for gliding, known as the "Silber C" certificate, held already by over 500 pilots. The requirements are minimum soaring flight for 31 miles, minimum height 3000 ft and minimum duration five hours. World records for gliding are at present; Rastorguyev, Russia for distance of 388.5 miles, Steinig for altitude 18,753 feet and Jachtmann for duration almost 41 hrs.

P.E.Cleator of the

#### Aviation

SNL-180- 38 Igor Skorsky aeroplane designer in the U.S.A. cinsdders an altitude of 75,00 ft and speed 500 miles per hour will not be exceeded until a new source of energy will be derived giving greater power per unit of wieght.

SNL-38-201. Some twenty years ago thes Gas HELIUM was considered very rare and cost \$2000 a cubic foot. Now the price has enormously declined The estimated reserve of underground helium in Taxes (amarillo plant) alone is now believed to be 1,800 million cubiv feet. About 7,000,000 cub. feet are needed for a Zeppelin inflation,

The r rst shipment of heoul sold bu the Government a private firm cost less than \$60, though priotr to 1917 this amount of him gelium would have been valued at 6,00,000\$

238- SNL-281 New Zep. 803 feet, 135 feet diam. 7 m.cib.feet gas, Diesel engines, miles, cruising 78n miles. 40 passenger, which is less, because of lower ting power of the helium used.

GEOLOGY

128

WoAl38-186 Using a new apparatus installed at the National Bureau of Standards scientists determined the weight of the earth as 6,576,000,000,000

Black Rapids Glacier Alaska moved five miles during four months, according to E.N. Parry. Measurements indicate an averagea dvance of 220 feet a day.

Dr.A.C.Lane Tufts Collage and Dr.W.D.Urry Manaunhanthan Massachusets Institute of technology checked the age of the earth as estimated by the presence of lead and of helium in rocks and suggested that the earliest plants which had skeletons, shells or other fossil forming parts had been on the earth between 500 and 600 million years. The Abiotic or lifeless era they place as between 1.650 and 1.850 million years ago.

#### SNL-37-405.

The Barth's age was checked by studies of radioactive potassium and the figures agreed closely with those found from studies of uranium. Life appeared on earth at least 1,250,000,000 years ago, according to studies of the radium and helium content of the oldest rocks containing evidence of life.

#### Ampre wil en kin jun puren en we sim

The possibility that the 41,000,000,000 tons of water, to be backed up by Boulder Dam. might cause earthquakes. was studied by scientist seismologists.

Pléants buried by the ash thrown out in the great eruption of Katmai Volcano Alaska in 1912, are already becoming fossilized.

McGonicle No.12 deepest oil producing well in the world was drilled to 10.569 ft.

Dinosaurs man have witnessed the destruction of planets whose fragments now fall to earth as meterorites, according to studies which show the age of meteorites as only about 100,000,000 years.

Land around Lon on was 60 to 70 feet higher in the Stone age than it is now, and it is sinking at the rate of nine inches a century. SNL-38-2

#### SNL-38-53p

The amount of salt added to the ocean each century has for long been the basis of estimating the age of oceans and this age is not determined as asno less than 500,-700 millions years. Geologists have also revised the age of earth and pronounce it to be at least 2,000 million years. The dinosaur is known to have lived 100 million years ago.

SNL-38-94 . Volcances bring colossal treasures from the mank depth of the earth to the swrface. In San Juan near Silvertown Colorado over \$270 millions in gold has been obtained from volcanic deposits.

and silver

Take only 1938 records.

Record-br aking floods vivited the Mississippi, Ohio and Connecticut. valleys during 1937 causing great property damage and accelerating flood-control work.

WoAl38-186 Dr. Hans Barth, University of Munich stated that soviet scientists had found that the blood of normal people gave off radiations. Study of these radiations is expected to aid in the early diagnosis of the disease.

Dr. Andre Crotti. Columbus O. challenged the general accepted theory that endemic goitre is primarily caused by lack of iodine. Dr. Crotti stated that a number of spores found in human goitres surgically removed indicated that the disease was caused by a fungus found not only in drinking water but also in foods such a cabbages.

Studies of moccasin snake serum was made by Dr.R.L.Dirmars assisted by Dr. C.R.Schroeder N.Y.Zoological Park, which confirmed the hypothesis that the drug is helpful in the treatment of epilepsy.

Dr.J.G.Dusser de Barenne, Yale University claimed the discovery of a brain circuit connecting the thalamus and the cortex. This reveals that only the brain and body are connected by telephone wires the but also that the emotional and the thinking parts of the brain itself have the power of cummincating. Thit-38-1033

An apparatus for listening to the beating of an airman's heart and recording it to the ground has been devised by Medical Aviation Dept of the Soviet Civil Air Fleet. The apparatus enables the physician to study the physical condition of an airman without having to accompany him in flight and to ascertain the effect of different attitudes on the human heart. It resembles a small laryngo-phone or osteophone, which is fixed above the airman's heartmand connected with a radio transmitter in the cockpit, which sends the impulses to a receiver installed in the ground laboratory, where it is recorded on a ribbon for production on a sound film.

Whit-38-1037 Months of research conducted by Dr.C. Vaughan Henriques in a Laboratory at King's College Hospital have resulted in the production of a phonostethograph, a machine which enables human heart beats not only to be heard loudly and clearly but also to be recorded and played back like an ordinary grammophone record. The patient reclines on a couch and ober the spot where the heart beat or lung sounds are best heard is applied a "chest piece", which is held in position by an elastic belt. The Doctor listsens in with earphones djusting the amplifier controls until he gets the desired volume of sound . de then brings the loud speaker into operation and obtains a faithful reproduction of the heart sounds without any of the scratch associated with records. He or anyone near can hear the heart or breathing sounds loudly and clearly. If the doctoer wishes to have a permanent record of the heart beats he sets the record unit into operation and in a few minutes he has record which is In April heart beat sounds were transmitted across unbreakable and permane.t the trans Atlantic by Mr.L.H.Thomas owner and operator of an amateur transmitting station at Thornton eath. The wavelength used was 10 metres and the Station in the united States was WIBQR at Vermont. The apparatus at this end consisted of a special amplifier modulator constructed to reproduce the heart records, modulating a 100 watt transmitter. Vermont reported signals were 100% readable and full volume, and the heart sounds were reported as 100% recognizable. The first step towards a consultation by radio is an accomplished fact.

Then Tatrinov

Carrell.

SNL-37-411 Of far reaching promise was the report that the viruses of at least two animal diseases in addition tot hose of certain plant diseases, are non-living protein molecules. New and more successful methods of treating and preventing the largely unconquered group of virus-caused ailments, to which belibg infantile paralysis and encephalitis, mau result from the new knowledge of the nature of the causes of these diseases. It has been suggested that this discovery may give a clue to the secret of life itseld, since it gives scientists a chance to study the phenomenon by which non-li ving matter appears to become endowed with the characteristics of living matter.

Cures by sulfanilamide of Type III pneumonia, gonorrhea, kidney and utinary tract infections, meningococcus, meningitis and gas gangrene were announced.

Use of slleping medicines was ound to be partly responsible for an increase in mental disease.

Brain wave study led to revision in cooncept ons of the function of the brain, no longer considered onle a connecting mechanism between senses and muscles but now know to originate activity.

Psychology - Scientific support for the policy of majority rules was given by the finding that group judgment, in terms of correct answers to questions, was better than that of the average individual.

...p.403. Scientists viewed with apprehesnion the growing war madness of nations. They wondered how their great gifts to humanity can be preserved for constructive peaceful purposes inseted of used for destruction. Psycholigists urged the relations between peoples and nations to be guided by scientific methods into paths of sanity.

Inner Culture. p.32-34 June38 - Brain Thermostat. Discovery of an electric thermostat in the brain which automaticallt governs body heat through Winter and Summer was announced recently at the closing of the session of the Am.Assn of Anatomists - This thermostat, the newest contribution to understanding of the electrical currents which constantly flow through the body, is located near the center of the brain, Dr. H. W. Magoun of Nothwestern Univ. Medeical School declared. It was found he said by stimulating the brain with high frequency or radio waves on various regions of the skull. In this way it was possible to cause cats and human beings sweat an to speed up perspiration under cold conditions ro to chill and shiver in a heated room he was saying. Perpsiring is the only way in which the body can keep cool during the heat conditions and shivering the first sign of cold conditions, is the frist attempt of the body to generate hat bu exercise. Both are apparently under control of the brainthermostat, which responds quickly to a change of only a few degrees in the temperature outside the body, according to anatomist.s

This discovery it was added, was similar ro one recently reported of an alam clock in the brain. Another porition of the brain acts as a clock which manu individuals can set consciously and unconsciously to make them up wirhin a few minutes of a predetimned hour in the morning... in Short It has been discovered that certain parts of the brain act like automatic control of heat and cold warning the body and that another part of the brain can act as an control of time alarm clock awakening at a predetimned hour.

Dr, T, J, Case of Chicago Univ. reported that electrical brain waves can be used to findtumors in the brain and if this method is perfected the previous process of taking X-ray diagnosis through holes drilled in the skull can be avoided.

Questions of latent and suspended life in temeperature of 3000 below zero

or

\*\*\*\* MEDECINE III

for as long as 100 hours \*\*maxim\* were scientifically investigated by Dr.and Mrs Goetz of the Calif.Inst.of Technology . This change of temeprature has to take place swiftly and Dr.Goetz said: that death to primitve life forms from cold is due to physico-chemical reactions and if one gets the cells rapidly past these temperatures, where such reactions \*\*maxim\* occur, death has apparently no time to take place.

Dr. Tmanin xand xMin sm Kakil xo fm Xowaxil nim.

SNL-38-18 A noted physician declares that man's future will depend very largely on what he decides to eat.

W6Al-38-187 Dr.R.A.Millikan continued stratosphere cosmic rays investigations from an unmamned baloon 92,000 ft. high. carrying instruments.

The force that binds together the particles in the atom is a force greater than gravity.according to Dr.M.A.Tuve and his colleagues Dr.N.P.Heydenburg and Hafstad (L.R.) Carnegie Institution of Washington. Without this force, these scientists believe all matter in the earth and stars would be hydrogen gas, . This force was called super-gravitation. The institution announces the completion in Washing ton of a fifty foot high atom smasher, ith a propelling force of 5,000,000 volts. The most important piece of research planned is the study of the "super gravity" reported by Dr.Tuve.

Drs.R.G.Herb, D.W.Kerst and D.B.Parkinson, Univ. of Winconsin, reported that they had completed work on an atom smashing machine which has steady controllable working potential of 2,700,000 volts. This machine differs from the cyclotron built at the california Institute of Technology by Dr.C.D.Anderson in that the newer machine can determine the energy of particles by external means rather than by going into the bombarding particle.

Croline was transmuted into potassium by Dr.E.C.Pollard, Yale univ who bombarded the chlorine with helium nuclei. By a similar procedure argon was changed into calcium.

Dr.K.T.Compton, Massachusetts Institute of Technology reported that a new way of measuring the electron revealed that it weighs nine tenthts of a billion of a billion of a billion of a gramm. This is much lighter than previous estimates had suggested.

Pressures of 750,000 pounds per square inch obtained in the laboratory change matter into new forms. Thus Prof.P.W.Bridgman, Harvard Univ states that it is impossible to know anything about the material at the center of the earth where the pressure is 45,000,000 pounds a square inch.

A drifting arctic metereorological research station had been established by Russia on the North Pole, scientists and material having been carried over by aeroplanes. The station gave daily important meterrological data and conducted other scientific research like geodesic, etc. until the icefloe drifted so far wards the coast of Grenland that the members had to be rescued and returned. The meteorological invistatations were primarily destined to assist the proposed direct air-route to America via the pole, along which first

and later the respired long distance record.

flew. The latter established

SNL-37-1937-405

Discovery of a new subatomic particle heads the lost of 1937 achievements in physics and chemistry. The new particles yet unnamed and without aniche in the structue of atomic psysics, is intermediate between the electron and the proton. It appears to possess either a positive charge or negative charge and preliminary determinations of its mass placed it at about 150 times the mass of the electron.

Construction of a cyclotron atom smasher to generate potentials of 50,000,000 volt and costing 100,000\$ was begun.

Commic ray was found to have a small daily marations in intensity.

SNL-37-405 Cosmic ray particles were observed smashing into the earths atmosphere with energies of 10,000,000,000 volts.

A tiny battery was developed weighing less than two pounds and generating 1000 volts.

ready

SNL-38-56p The trasmutation of atoms in giant atom smashers has added ever two hundred new forms of atolms most of which being however unstable, and some only existing a few seconds and disintegrating.

SNL-38-149

At the outset Hardwards New cyclotron is to be of about 8 million volt energies. but further development will increase this figure.

SNL-38-165. Prof.A.E. Haas finds that stars and electrons are brought into the same physical laws. He finds that two fixed stars of average mass exert on each other at a distance equal to the radius of the universe a gravitational force that is a large as the electrostatic force acting between two fundamental charges such as one a lectron at a distance equal to the classical radius of the electron.

SNL-38-219 From studying meteroties Dr.Wm.D.Urry Masuchisetts Inst.if 'eachnology found that whereas some of them are 100,000,000 years old, aother are as old as the solar system 2,800, millins years

The Civil war in Spain has revealed 20,000 old paintings, of which 7 Tizians,

55 Goayas and 25

. It has also shown that gas warfare is most
injurious to oil paintings, but that tempera paintings remained unharmed.

35

### Book Review

There are many people who would like to know more about Roerich - his Art and his Message - and they cannot do better than read the monograph "Nicholas Roerich, A Master of the Mountains" by D.Conlan. (Published by FLAMMA, Ind. Association for Advancement of Culture. Liberty, Indiana, U.S.A., 75 cents of Rsl/8 from FLAMMA Representative, Naggar, Kulu, Punjab). Here we find the art of Roerich compared with that of modern artists. The writer considers Roerich to be the chief interpreter of our epoch, and says that his art supplies that religious vision of Life and the Universe which Science had seemingly taken away. In fact he reveals the spirit of the Cosmos.

The Art of Roerich, the author says, is a sacred art and if it is not centred exclusively round the human form, that is because it is modern and moves with the spirit of our time.

We are told how Roerich made his first archaelogical discoveries at the age of 14, and how he got together an immense collection of stone relics which included 75,000 objects. He was made a member of the Archaeological Society of Russia. Roerich has much that is of interest to say about the beauty of the Stone Age, and his discoveries caused him to come to the startling conclusion that the cave dwellers were nearer to the broad highway of perfection than we are today. It is consloing to note that he is convinced that the immense cycle of time is again bringing us round to a New Era of beauty, when the aspiration towards Art and the effort to beautify life will again be universal.

The description of the various phases of Roerich's art and the circumstances that have influenced each phase are among the most illuminating that it has been my privilege to read. There is the influence of the Stone Age, due to the fascination which this epoch had on the young artist, there is also the innate sense of those Cosmic Powers of life which underlie all appearances. Among the sacred ikon painters of the Russian church can be traced the technical source of Roerich's own art.

The monograph contains a brief but fascinating sketch of Roerich's lectures on Russian Art which contains a mine of information in a nutshell. There is mention of his work in connection with the Russian Ballet. It is noted that in nearly every country he has been building up societies for the advancement of Art and Culture. There is a reference to the Roerich Pact and Banner of Peace, which has for its object the protection of Art treasures, educational and cultural institutions, in the same way that the Red Cross Flag protects the wounded. This Pact has already been signed by the United States of America. The latest pamphlet on the Pact has just been published by the Roerich Pact Committee of Shanghai. The author explains what the word 'Culture' signifies to Roerich; he dwells on his philosophy and his message to Humanity.

Single spacing "To Roerich the word 'Culture' signifies much more than its current meaning of 'learning' or 'refinement'. He uses it in a deeply religious sense, in its original Druidic and Oriental meaning of the 'Cult of Light' - Cult-Ur."

Chapter II of the monograph deals with the connection

between Roerich's art and Russian music and legend. The author is well acquainted with his subject, having considerable experience in the realms of art and music, and speaks with all the authority of first hand knowledge. He tells us of the richness of Roerich's imagination and the depth of his insight; his breadth of power and wide poetic outlook into the world of legend. Chapter III deals with his later paintings, his Tibetan and Himalayan masterpieces. In the opinion of the author he is the greatest painter of mountains that has appeared since the death of Turner.

Unfortunately many people are only acquainted with Roerich's art through reproductions. Concerning this the wuthor writes: "It would be a mistake to judge of Roerich's art from

reproductions.

Many of his larger works are impossible to reproduce in monotone since the composition itself is dependent upon the colour scheme.

In the case of such a work as Pasage du Thibet, a monotone plate only gives a flase idea of the artist's work.

Without its marvellous colouring this picture loses all its value, all its meaning."

Again he says: "Those who are under the impression, probably from reproductions, that Roerich's art borders on illustration, take a very shallow view. No art could be more aesthetic."

In another place he utters the same warning: "It would be very unwise to judge of Roerich's work offhand and only after a slight acquaintance. Neither the plastic elements of the compo-

sition, the colour scheme, or the psychological expression can

be estimated from a rapid glance.

It took the painter Henri Matisse 37 years to fully explore all the aesthetic values in one of Cezanne's large compositions, and I have come to the conclusion that in order to really appreciate all the values in much of Roerich's work it might take as long, although the reasons for this are of quite a different order."

Single epacing

Single spacing

To anyone interested in art in general and the art of Roerich in particular this monograph of 110 pages will be an education as well as a delightful gem. There is a frontispiece portrait of Nicholas Roerich by his son, of whom the author writes:

"Svetoslav Roerich, well known by the portraits he has printed executed of his father, is, we feel certain, a born portrait painter. It will be interesting to follow his evolution in contact with Buddhist portrait paintings, an art which carries with it a snese of higher dimensions."

Double Spacing In conclusion I will use the author's words to express my own views - views which I know are held by so many who have had the privilege of seeing the original works of this 'Master of the Mountains'.

"But from the Roerich and the mountains we can, if we care, derive an endless source of joy, an inexhaustible stimulant to higher things."

A.E.M.

### Book Review

A number of articles and pamphlets have been published on the Subject of the Art and Message of Nicholas Roerich, many of them are merely adulatory and of little interest to the serious student, the majority of them are too brief to do justice to the subject, and it is indeed a matter for satisfaction that at last a monograph has been produced by a writer who knows his subject and is able to unfold it for us in an instructive and readable form. In KOKKKENXX NICHOLAS ROERICH, A MASTER OF THE MOUNTAINS (Published by FLAMMA, Inc. Association for Advancement of Culture. Liberty, Indiana, U.S.A., 75 cents, or Rsl:8:0. from FLAMMA Representative, Naggar, Kulu, Punjab). D. Conlam compares the art of Roerich with that of modern artists. He considers Roerich to be the chief interpreter of our epoch, and says that his art supplies that religious vision of Life and the Universe which Science had seemingly taken away. In fact he reveals the spirit of the Cosmos.

The Art of Roerich, the author says, is a sacred art and if it is not centred exclusively round the human form, that is because it is modern and moves with the spirit of our time.

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conclusion that the cave dwellers were nearer to the broad highway of perfection than we are today. It is works consoling to note that he is convinced that the vast cycle of time is again bringing us round to a New Era of beauty, when the aspiration towards Art and the effort to beautify life will again be universal.

The description of the various phases of Roerich's art and the circumstances that have influenced each phase are among the most illuminating that it has been my privilege to read. There is the influence of the Stone Age, due to the fascination which this epoch had on the young artist, there is also the innate sense of those Cosmic Powers of life which underlie all appearances. Among the sacred ikon painters of the Russian church the author traces the technical source of Roerich's own art.

The monograph contains a brief but fascinating sketch of Roerich's lectures on Russian Art which contains a mine of information in a nutshell. There is mention of his work in connection with the Russian Ballet. It is noted that in nearly every country he has been building up socities for the advancement of Art and Culture. There is a reference to the Roerich Pact and Banner of Peace, which has for its object the protection of Art treasures, educational and cultural institutions, in the same way that the Red Cross Flag protects the wounded. This pact has already been signed by the United States of America. The latest pamphlet on the Pact has just been published by the Roerich Pact Committee of Shanghai. The author explains what the wrod 'Culture' signifies to Roerich; he dwells on hes philosophy and his Message to Humanity.

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Truly, he remarks, "It would be very unwise to judge of Roerich's work offhand and only after a slight acquaintance. Neither the plastic elements of the composition, the colour scheme, or the psychological expression can be estimated from a rapid glance.

It took the painter Henri Matisse 37 years to fully explore all the aesthetic values in one of Cezanne's large compositions, and I have come to the conclusion that in order to really appreciate all the values in much of Roerich's work it might take as long, although the reasons for this are of quite a different order."

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I cannot do better than conclude with the author's own words which so exactly express my personal views - views which I know are held by so many who have had the privilege of seeing the original works of this 'Master of the Mountains.'

"But from Roerich and the mountains we can, if we care, derive an endless source of joy, an inexhaustible stimulant to higher things."

A.E.M.

## TO OUR READERS

FLAMMA Quarterly present their compliments to all members of all Roerich societies, associations and groups throughout the world and take pleasure in sending the first issue of FLAMMA.

Having been fortunate to secure reprints of Prof.Roerich's essays on Culture, the idea has occurred to add some pages of notes and to send them out to members. Within a few weeks this plan has grown into the present shape of FLANMA Quarterly, which we are offering to all members for their perusal, approval and further suggestions.

Thanks to a donation which constitutes the financial foundation of the first issues, thanks to the free contributions by the authors of the various essays, thanks to the presentation of a number of reproductions, and thanks to the fact that everything was planned most economically (even the binding is self made and the colouring of the cover hand painted to save expense) - thanks to all this, the first issue, almost like a miracle, was realized.

We now call upon the cooperation of ALL members of ALL Roerich Societies to regard this Quarterly as their own, to take its success to their hearts, to consider themselves as collaborators in every respect, to realize that with them this quarterly rises or falls, and thereforeto support it in every possible way, morally and materially. Very little is needed, if ALL help, since FLAMMA Quarterly is not making any profit whatsoever, is offered at self cost and every assistance received goes direct to the improvement and adornment of it. Any subatron; inowever small, will be gratefully accepted they should be directed to the same address as subscriptions as indicated on the index page. If you can spare a dollar it will help to print a page or two; if you can get some subscribers, every benefit from the increase of circulation will react upon the improvement of the magazine, as it is natu-

rally always more economical to print a larger issue, when the cost per copy decreases and thus more can be applied to make the issue more beautiful. If you can spare 5 Dollars now and then, a reproduction can be paid. R

Thus we appeal to our readers - it is through your efforts that FLAMMA Quarterly can succeed and can eventually become the most widespread and liked cultural magazine of the world. Already now it is international in its aspect as it is being read with equal interest in America, Europe and Asia.

If you have any suggestions to make, please do not hesitate to write and every effort will be made to apply valuable suggestions. If you can get public libraries and school libraries to subscribe, please assist in this way. If you can obtain contributions of essays in English from leading men or women in the field of culture - FEANMA shall be very glad to printagenese. For the present we have to keep of this size and print, but in future, granted wider support, there is no limit for expansion of FLANMA.

We know you will realize and appreciate the fundamental principle of cooperation and that it will urge you to do your utmost in the name of Culture and Beauty to make FLAMMA Quarterly - your magazine - a success.

FLAMMA being an international quarterly, it has occurred to us to send it out in such a way, that wherever its subscribers may live, it will reach them on definite days and they will thus read it all over the world almost on the same day. FLAMMA Quarterly is scheduled to reach its readers on annual solar quarter days:

March 21st - SPRING equinox - green cover title

June 22nd - SUMMER solstice - red cover title

Sept. 23rd - AUTUMN equinox - purple cover title

Dec. 22nd - WINTER solstice - blue cover title.

The WINTER issue of 1938 will be a double issue, with double text, with two colured and 6 monotone reproductions. The two coloured reproductions have kindly been promised as a donation by the Latvian Roerich Society,

from their stock of reproductions from the new large Reerich Monograph which is to appear this autumn. The double winter issue of FLAMMA No.3 & 4 will thus conclude the annual subscription for the present year.

FLAMMA .

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# NOTES &

FLAMMA QUARTERLY presents its compliments to all members of all Roerich appointions and (roups) societies throughout the world whom for home x dine laker bleasure in Rman xman xman xman xman and send herewith its first issue Having been fortunate to secure reprints of Prof. Roerich's essayon Culture, the idea has occurred to add some pages of news and notes and withinthis plan has proon quarterly has grown into the present shape several weeks the which we are submitting to all readers for their perusal, approval and further suggestions. Thanks to a donation which constitutes its foundathanks to the free contribution of the various essays and maninam to the presentation of a number of reproductions. Which in future maxes the Latvian Roerich Society has promised to augment by donating coloured reproductions from Romanian with Micholas Roerich's paintings from these available for the new Roerich Monograph, and thanks to the fact that everything has been planned most economiacally - even the binding is self made and the colouring of the cover hand painted to save expense - thanks to this cooperation the first issue, almost like a miracle, has been realized.

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If you have any suggestions to make or can obtain contributions from leading men in the field of culture please do not hesitate to write and every effort will be made to apply valuable suggestions. To present we have to keep to the size and print, but in future, granted your supportations and support, there is no limit for expansion. A Meanwa durabely.

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The winter issue of 1938 will be a double issue, with 2 coloured and 6 monotone reproductions, and it will thus conclude the annual subscription for the present year.

Set Site

"Hanna".

We are glad to say that FLAMMA Quarterly has been cordially welcomed and appreciated by all who have seen it. The first issue of FLAMMA is already exhausted and we are bringing out a slightly larger number of this Autumn issue.

Three new permanent items have been added: A Roerich Pact Section, a quarterly Art Review by Mr.Barnett D.Conlan and a Science Digest. Readers can greatly help the editors if they will kindly send news and clippings pertaining to interesting art movements and scientific discoveries to the Representative of Flamma in Paris (for art matters) and to India (for science news).

By the time this issue goes into press we have not yet received response from distant places and therefore cannot as yet discuss proposed usggestions. But it has occurred to us, that if any of the Roerich Societies in the world would like to have a section of their own added to the Quarterly, in their own language, FLANMA Quarterly will be very happy to consider this, if the Societies can send a 4 pp.folder (or 3pp or 2pp) of the size of FLANMA (10x7 inches). KRUE EXTENSIONAL Such folders can contain data about their Society, exhibitions and meetings held, lectures delivered, publications printed, books for sale at the center, etc. etc. Thus also those Societies, which have a large part of non-English speaking members can find expression through FLANMA. It will be found in that the printing locally of some 4 pages every three months is really a very small item and we hope that several centers will avail themselves of this opportunity. For quantity required and dates by which these folders have to reach for inclusion into the Quarterly, please address the Editor in India.

We again call upon the co-operation of ALL members of ALL Roerich Socities to regard FIAMM Quarterly as their own, to take its success to their hearts, to consider themselves collaborators in every respect and therefore fix to support it in every possible way, morally and materially. Very little is needed, if ALL help, since the Quarterly makes no profit, is offered at self cost to members and every assistance received goes direct to the improvement and adornment of it. We know you will realize and appreciate this funda-

mental principle of co-operation and that this realization will urge you to do your utmost in the name of Culture and Beauty to make FLAMMA Quarterly a success.

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The WINTER issue of 1938 will a double issue, with double text and with two coloured and six monotone reproductions and will thus conclude the annual subscription for the current year. The price of the Winter issue is \$1 or Rs:2/8 (for Nembers 60 cents or Rs:1/8/-). The rates for annual subscriptions are given at the end of this issue.

We express thanks to the Latvian Roerich Society for the donation of coloured reproductions of "Brahmaputra" for this issue and for two coloured reproductions for the Winter issue.

The WINTER No.3 & 4 issue will make a fine Christmas present for friends

and so will the annual subscription. When desired such presentation subscriptions

will be sent with an attractive Christmas greeting card.

FLAMMA.

After the above address the President of the Congress read the following resolution:

Page 429

"I will now read to you the various resolutions which have been adopted, so that the plenary meeting can vote and express its opinion on them. If they are passed they will be written in the official report of the closing meeting and will appear under the heading: "Resolutions of the Congress of International Studies."

Haring paring

I. - ROERICH PACT
The Congress of International Studies considers it is highly desirable that all States should ratify the Roerich Pact for the Protection of Historical Monuments in time of War. It further suggests the creation of an "International Commission for the Classification of Historical Monuments".

Proceeding by order I now want to discuss the first

question in M. Chklaver's Report, that is to say the Roerich Pact. Has anyone at this meeting got any objection to raise or amendment to make? No one. I put it to the vote. (Carried unanimously.)

1 net live no space in between

Page 450

" IV. - Resolutions of the Congress: I

The Congress of International Studies unanimously approves the reports of the three Committees and accepts the conclusions to which these Committees have come."

a new work on the Roerich Pact 152 a progressive-minded member of the younger french Clerge the abbe J. Vergier-Boimond, a Doctor of Canonice Law, has been honored a few weeks ago by the University of Paris with the title of "Doctor of Laws as a reward for a remarkable thesis, the major part of which is devoted to the Koerich Pact. Reviewing the data supplied to him by Dr. George g. Children, the author gives a comprehensive survey of the genesis of the Roerich Fact, quoting extensively Professor de Koerich's declarations and Messages; and studying attentively every one of the legal aspects of The Rev. Vergier-Boimond deals also with the various objections put forth by "unbelievers" in the Zow of Nations. With a great wealth of arguments he victoriously refutes these objections and succeeds in proving that the Roerich Fact is the most efficient means for preserving the Shrings of Culture, thus demonstrating once more the immeasurable value of Nicholas de Roerich's initiative - which is likewise pointed out by the eminent outhor of the Treface to Kev. Vergier-Boimond's work, Brof. de La Pradelle. In a supplement to his book, the Rev. Vergier-Boisond publishes the full text of the Roerich Pact. [Please turn over]

On the whole, able Vergier-Bormonds exallent work is a most welcome contribution to the already vast literature on Professor de Koerich's lofty ideals which are at the same time practical proposals for the salvation of Beauty, Knowledge and Culture, these sacred treasures of Humanity... Transming the older way the walker to the front Antiliser the field of five it contratense on fithe former is of the Respired has been extracted dependence horizone of classifications and beautiful over Stead in a then to make more at the life of which if The hoes thought - Briming a straight with the south the of their patient of the forest in a the Love of Author with a grown wealth it responsed in outside in the first and there it is their again incomes in more by that the Romanh because the proof of alast mount for free earling the show To reston, the solution to the first of a form the influence is a should paid to the second when it has the tree to their Magney Lawrence County out, they is the House the The way a law to the late of the Ren Capital - Browned pulliables the field text of the forceed that I that the read

THE SIGN OF THE BANNER OF PEACE

By Nicholas Roerich

Chronicle.

Vergier-Boimond.

and other articles.

The memorandum on the Roerich Pact has been submitted by the French

Committee of the Roerich Pact to the following Ambassados and Legations
China Egypt

in Paris: Belgium, bulgaria, Denmakr, Estonia, Finland, Grece, Iran, Letvia
Netherland
U,S.S.R.

Lithuania, Norway, Portugal, Siam, Sweden, Switzerland, Turkey, Vatican.

and Yugoslavia.

# Quarterly Cronicle.

Me Abbot J. Vergier-Boimond, a Doctor of Canonic Law, has been honored by the University of Paris with the title of "Doctor of Laws" as a reward for a prominent thesis, the major part of which is devoted to the Roerich Pact. Reviewing the data supplied to him by Dr. George G. Chklaver, the author gives a comprehensive survey of the genesis of the Roerich Pact, quoting extensively Professor de Roerich's declarations and messages; and studying attentively every one of the legal aspects of the Pact. The Revd. Vergier-Boimond deals also with the various objections put forth by "unbelievers" in the Law of Nations. With abgreat wealth of arguments he convincingly refutes these ob-

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\* \* \*

The memorandum on the Roerich Pact has been submitted by the French Committee to the following Ambassadors and Legations in Paris: Belgium, Bulgaria, China, Deumark, Egypt, Estonia, Finland, Greece, Iran, Latvia, Lithuania, Netherlands, Norway, Portugal, Siam, Sweden, Switzerland, Turkey, U.S.S.R., Vatican and Yugoslavia.

\* \* \*

"L'Esope", journal of the F.I.A.L.S., in its April editorial expresses the which again that the Roerich Pact be adopted by all countries and may become an universal law of mankind.

\* \* \*

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  Message from Dr.J.H.Cousins; The Banner of Peace by P.M.Hari,
  Shanti by Nicholas Roerich, Roerich Banner of Peace, by Frances
  R.Grant; The Roerich Peace Movement by V.Shibayev; Culture and
  World Peace by Swami Jagadiswarananda; The League of Culture
  and the Banner of Peace by P.M.Hari; Roerich (Fragments) by
  M.Babentchikov; Art, Education and Peace by James H.Cousins;
  The Banner of Peace Historical back-ground.
- 3 #) "BIOSOPHICAL REVIEW. Fall.1933. New York. Articles by Dr.F.Kettner, Frances R.Grant, Dr.Ch.Fleisher, Dr.G.Chklaver, etc.
  - 4) CHKLAVER, Dr. Georges. Le Pacte Roerich et la Société des Nations.
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- 5) CHKLAVER, Dr. Georges. Le Mouvement en faveur du Pacte Roerich. Paris. 1933. (in French)
  - 6) CISNEROS, Dr. Cezar Diaz, El Pacto Roerich y la Obra Filosofica y Artistica de su creador. La Plata 1937 (in Spanish)
  - 7) "GAND ARTISTIQUE" No.10 & 11, 1931. Special issue NICOLAS DE ROERICH.

    Articles in French: Avant propos La Direction; Les artistes

    créateurs de vie Nicolas de Roerich; Nicolas de Roerich Esther

    Van Loo: Nicolas de Roerich, Préhistorien, Archéologue, Ethnographe 
    M.de Vaux-Phalipau; Pensées de Nicolas de Roerich; Nicolas de Roerich

    et la Paix Marc Chesneau; Le Pacte Roerich Georges Chklaver;
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Conference de Wahington pour l'Adoption du pacte Roerich;
The Roerich Peace Peace Movement by V.Shibayev; The Roerich
Pact (in Russian) by Dzambulat Dzanti; Addresses of Nicholas
Roerich to the International Banner of Peace Conferences
(in Russian); The Banner of Peace (in Russian) by Nicholas
Roerich; The Sacred Sign (in Russian) by Nicholas Roerich;
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et la Paix - Marc Chesneau; Le Pacte Roerich - Georges Chklaver;

- 17 16 159 ROPECHO PAKTAS ir TAIKOS VELIAVA. (in Lithuanian). Paruose P. Tarabilda.
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- 20 18 (Signing of the Pact at the White House, Washington, Apr. 15.1935). New York. 1935.
- 21 29 PS) N.K.ROERICH A Symposium. \*\*\*\*\*\*\*\*\*\*\*\*\* Riga, 1935. Four articles in Russian: N.K.Roerich by A.S.; The Roerich Museum by R.Rudzitis; Service to Humanity by E.A.Moskov and The Roerich Pact by V.A.Shibayev.
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#### ANSWER

"Mountains have crashed to earth. Lakes have been drained of their waters. Cities have been engulfed by floods. Hunger shows its face. The spirit is filled with forboding of coming events - the currents vibrate. Happenings of the Universe are interbound with mens lives and the strings resound complexly. Secretly and openly the dark forces are fighting. Never was hatred more rampant. The blind are rejoicing, the deaf make merry but the awakened spirit is filled with forboding and sorrow. A new day dawns over the earth. The present hour is not a stream but a vortex. Each personal world reflects the flaming sky aglow with the fire which demolishes the old forms. The earth will sink beneath the feet of the blind and the deaf will be destroyed. The Miracle will be manifested, and the Bridge of Beauty will lead on to a new way."

Beautiful, beautiful future. Beautiful, beautiful Spirit.

May all the forces of Good be brought to the awakening of men. Open our eyes, open our ears, open our hearts to the glory of Thy peace,

Thy love and Thy wisdom.

Let us progress in mutual, understa nding, adoration of the Great Plan, The Great Sacrifice, The Great Hearts. Guide us in the conquering of ourselves, in the mastery of our own personal weaknesses, in the realization of our unity, our beautiful supremacy of spirit over this material garment and its tenacles of selfish, entangling senses.

Accept our blundering and awkwardly inneficient strivings and prayers. Let the depth of our sincerity unite our hearts until our hopes are forged into energies of useful service in the great and joyous future.

The current measure of economic success would seem to be largely the ability to recognize and sieze an advantage over others. The bulk of the oldest fortunes in this country were established by the recognition and acquisition of land destined to become of great value to a growing nation. The great fortunes of the banking and commercial world are amassed largely through advantage gained by special knowledge of the appreciation or depreciation of stocks, bonds, and currency. Our patent laws protect this personal advantage and humanity pays tribute to one of its citizens who accepts advantage. Cherish the unselfishness of Mme. Curie and other benefactors of the world who have given their advantage to civilization that the whole might progress:

Many many hearts are heavy throughout the world or because of the reluctance/spiritual inability to see and accept personal advantage. Divine thought cries against such selfishness and the human state that rewards it, because the measure of Divine success, of the success of the nature is the direct antipode of personal advantage.

"In thy bosom cherish the thoughts of service towards good. Think of the stars that always give their light to humanity. Be like these stars and give your love, wisdom and knowledge to others. Only when everything is given, we can receive."

May we not begin the establishment of an order of the mutual sharing of all inspiration. With the measure of success the ability to serve?

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Auriel Bessemer's Landscapes And Figures Displayed at Georgetown Galleries accumus 194 rey sifted ashist

Washington Evening Star, February 29, 1939

Auriel Bessemer, who is impressario for many painters at his own gallery at Dupont Circle, is himself honored with the current exhibition at Georgetown Galleries. It opened last Tuesday evening with a preview and will remain until February 14. Although the exhibition includes paintings and drawings by three artists who have worked in his studio, the show is really Mr. Bessemer's, by virtue of amount and quality of his work shown. Of 32 catalogued items, 24 are his, and some of these are in three panels.

Prominently placed is a large photoprint of a mural painting, "Destruction, Regeneration and Redemption of Man," which Mr. Bessemer began under P. W. A. P. in 1933, when he first came to Washington. In the same gallery are hung original pencil, pen and ink and crayon sketches for this mural. It is a matter of regret that original murals are almost never exhibited because of their size and one can obtain only a comparative idea from a reproduction in black and white. In the present instance the photoprint suffices to indicate the admirable balance of the composition, the interplay of innumerable figures and the elaborate symbolism.

Mr. Bessemer has executed murals for the American Museum of Natural History, New York City; for the United States post office at Winnsboro, S.C.; for Lee House, Washington, D. C.; and several other places, most recently the post offices of Hazelhurst, Miss., and Arlington, Va. He shows a preliminary sketch for the Mississippi mural in the present exhibition, "Life in the Cotton Belt," a horizontal panel depicting cotton pickers, a river boat and some industrial activity. This sketch and a three-panel work entitled "Life Patterns in Maryland" appear to be well adapted to small public buildings.

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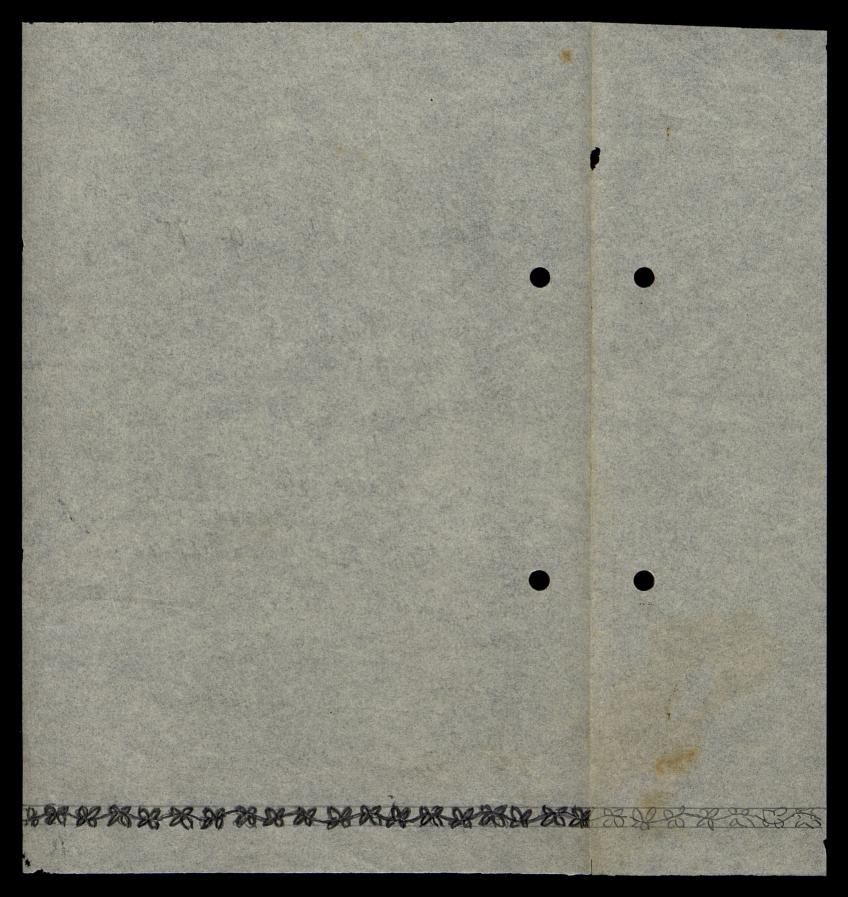
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