

THE ARENA

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THE MIND ARENA OF CHOICE

"Mind is your ship, the Adjuster is your pilot, the human will is captain." (page 1217)

Editor's Notebook

A shiver of satisfaction ripples through the Supreme when a human becomes dependable. But when a *group of agondonter humans* rises out of the mire of self-interest, cultural bondage and planetary delusions, and commits itself to gather dependably for a methodical examination of *The URANTIA Book*, schemes can be hatched. The midwayers and planetary guardians can begin to set up the serendipitous, the Nebadon administration can project their plans, and the Deities themselves turn their collective eye to watch things unfold.

Consider how much effort goes into preparing a human so that they can first *want to read*, and secondly, *endure the reading of, The URANTIA Book*. Then consider what it means, to those fostering our planet's development, to have a group of such husbanded humans choose to gather regularly to read this Book. Our *study groups* are just such, and thus can be considered invaluable.

Of course, the future of Urantia does not depend on the success or expansion of our study groups. Planetary progress is being made in hundreds of disconnected and surprising places. But where else can the administrators of Nebadon engage in direct education, rather than resorting to phenomena and ad hoc schemes? Without *The URANTIA Book*, and study groups to complement it, they may work for years with a single attuned soul to plant the idea of a non-absolute spacetime-limited creator deity (*Creator Sons*), to suggest that fragments of absolute deity indwell the otherwise unspirited human animal (*Thought Adjusters*), to inspire the idea of a plane of existence midway between the incarnate and the spiritual (*Morontia*). In the *study group*, and by means of *The URANTIA Book*, they have put in place a mechanism which allows them to pour these concepts into the thirsty souls of both new and veteran readers.

Safely. Efficiently. Reliably.

And once such a group is established, with its core of resilient dependability in place, it can be used to trigger developments in these early days of the Fifth Epoch: a casual visitor adjusted at just the right moment; a lover of God being ignited by the knowledge that it was Michael of Nebadon who had satisfied the desire of his

THE ARENA

PO Box 609, Narrabeen, NSW 2101, Australia

The Arena is a quarterly publication dedicated to the promotion of goodwill and understanding among readers of The URANTIA Book and is supportive of URANTIA Foundation.

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ages; the sceptical logician seeing that the universe is both lovely and rational. Those sincere readers with less tenacity or need, who may pass briefly through such a group, will at the very least receive the notion of **Michael**, a sub-absolute deity ruling in Nebadon. This surprising and remarkable discovery will be sitting in the back of their mind when next they consider the problem of **Jesus**, or wonder "So just who is running the show?".

*"The gospel of Jesus is for saving souls.
The URANTIA Papers can orient
those saved souls."*

News around the world.

Bookshop News

URANTIA Foundation's Australian office once again attended this year's Australian Book Fair in Sydney. Interest was shown in the new softcover by bookshops. Another interesting point to note was that two well known book distributors showed an interest in distributing the book. Sales have increased since the softcover was released. The increasing amount of book shops that are now stocking the book would not have been possible if not for the initial cooperation and ongoing support of readers throughout Australia and New Zealand.

Apart from a large number of book stores in America that carry *The URANTIA Book*, Barnes & Noble, one of the biggest book chain stores in America, now carry *The URANTIA Book* as a stock item on their shelves in the stores they have across the United States.

A new Foundation office is in the process of being formed in Spain for the distribution of *El Libro de URANTIA*. Also the new Spanish Softcover is now available at the same price as the English Softcover: Aust\$27.00.

New Trustee

Hoite C. Caston has resigned as a Trustee of URANTIA Foundation after many years of dedicated service. The Foundation expressed that they will miss the pleasure of working with him. At the same time they are pleased to announce that the vacancy created has been filled by Georges Michelson-Dupont of France. Many of us know Georges and we wish him the very best.

IUA News:

There are now 11 Local Associations of International URANTIA Association (IUA) in the USA. At this year's IUA international conference for readers of *The URANTIA Book* the Americans decided it was time to form a National Association for the purpose of coordinating the efforts of the Local Associations. This National Association will also be the voice in representing American readers on the international scene. This now makes three National Associations throughout the world; the first one being Finland, then Australia/New Zealand and now USA.

French readers of *The URANTIA Book* recently conducted a poll to see if there was interest in forming a National Association of French speaking readers. The response was 94% in favour. French readers are now in the process of forming their association. The social readership is now definitely taking on a truly global perspective with interest also from readers in Estonia and Spain.

Letters to the editor.

Audio Version

"... The preparation and presentation of the cassettes is quite appealing and the actual hearing experience, wonderful. I can now look forward to hours of pleasure, listening to beautiful voices expressing the words of the most recent revelations to mankind, that were so valuable to me when I was able to read them for myself..."

Harry Smallwood, ACT Australia.

Pen-pals

"Since there are no study groups within at least a hundred miles of my location I would enjoy and greatly be appreciative of people to write from any and all places upon our planet thus embarking upon the road to pen-pals. My address is: Larry W. Hurd P.O. Box 176 Five Points, Al. 36855 USA."

How many readers are there?

"An interesting thing happened to me last week - after reading the paper on "Machiventa Melchizedek" on Saturday night, I went the next day to a Sunday UCC church service which I regularly attend. The pastor delivered a sermon about Abraham and Sara and mentioned a bit about Melchizedek.... a few days later we were discussing his sermon and I asked if he'd ever read *The URANTIA Book*. "A few times," he said, "well actually cover to cover only twice...". So now I've met my first fellow reader. <Big Smile>. Somehow I think things are going to plan!"

Bob Sinclair Oregon, USA

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Articles

International URANTIA Association Conference

Nashville, August 1995

Neil Francey, Sunnybank, QLD

This year's conference on the topic "Dimensions of Study" was held at Vanderbilt University in Nashville, Tennessee, USA.

The conference was an outstanding success, achieving its main objective of providing an interactive forum for interested *URANTIA Book* readers. Attendees included long-term and new readers, and each of us had the opportunity to: engage in those rewarding conversations; meet readers from around the world; gain insights on the study of *The URANTIA Book*; and to enjoy that unique spiritual atmosphere of a *URANTIA Book* conference.

There was an additional, and quite interesting, context of the meeting — Revelation Entering the Age of Discretion. Considering that the book has been in print for forty years, its progress through the seasons of adjustments may now be entering an era of a new maturity. This was certainly in evidence in the dynamics of the administration of the URANTIA Foundation.

Revelation Entering the Age of Discretion

There was a spirit of cooperation amongst people as readers and believers. The assigned role, whether it be Trustee, IUA office holder or member, concerned reader, or "behind-the-scene" contributor, seemed secondary to the main focus of how to make the book known and available to a waiting world. This was further evidenced by the many meetings and open discussions between Trustees, the Coordinating Committee, and representatives of IUA's associations from Finland, Australia, and eleven Local Associations of the USA. Many decisions were taken, and important announcements are reported in this issue of the Arena.

Study groups addressed topics such as: Looking for eternally true and divinely beautiful teachings; *The URANTIA Book* as a school of thinking, feeling and doing; and Obeying the Truth: Looking to Jesus as an illustration of divinity. Study group leaders, in order to maximise effectiveness, were provided with detailed guidelines for approaching these topics. Key insight could therefore be explored. Without doubt, for many, a new dimension in the study of *The URANTIA Book* was experienced.

Particularly expansive were sessions which analysed the teaching process contained in *The URANTIA Book's* Papers 1 to 3. These were addressed under the headings of:

1. *How Paper 1 promotes concepts with stability and flexibility.*
2. *Looking for the creative design in Paper 2.*
3. *Foundations of a friendly universe in Paper 3.*

The beauty and subtlety of words and the elevated techniques of imparting revelatory knowledge are ongoing discoveries. The book, it seems, continues to extend our horizons, and conferences provide an exceptional vantage point.

Our conference hosts, The Southern Kindred Spirits of the IUA, provided age-appropriate activities for a "Kids' Conference". Children participated in arts, craft, music and games based on *URANTIA Book* themes. There was also a New Readers Forum to recognise the interests and questions that new readers have. A paper entitled "Studying *The URANTIA Book* — a Handbook for Study Groups" was also written with the conference in mind, and will be available after a general revision.

Other events included evenings of music and singing around the piano, with an impromptu collection of *URANTIA Book* reader musicians, featuring everybody's favourite songs. Also "An Evening with the Master" was an offering of short plays and humour to an appreciative audience.

And naturally there were the all important worship sessions to offer our reverence to the One who made it all possible.

Articles

Study Groups

Kathleen Swadling, Sydney, NSW.

We get many inquires from people reading *The URANTIA Book* who would like to meet with other readers in a study group. Unfortunately, because readers are so sparsely spread across Australia and New Zealand, many of these who inquire have no fellow readers nearby.

There may be the potential for more study groups than already exist. Is it time to start making use of this potential? Enclosed with this newsletter is a form asking if any readers would be prepared to host a study group in their region. It may be that in some areas there already are enough readers to form a study group, but a volunteer to host the group has not yet appeared. In other areas where this is not the case (ie: if the total readership is significantly less than two people), if a host is in readiness then new readers can be referred to them in the future. If you would be willing to host a study group, or feel that you would be ready to host a possible future study group, would you fill in the form and return it to the address on this newsletter. This way, we will be in a better position to refer readers to one another who are keen to participate in study groups.

The following is a compilation of thoughts and ideas on study groups put together by various long time readers and study group hosts.

Introduction and Background

There are many rewards associated with becoming part of a group of readers whose main purpose is to pursue a thorough study of *The URANTIA Book*. To make a commitment to a study group is a great decision. If you decide to participate with a group of fellow human beings you will be embarking on an endeavour with eternal implications. We live in a society which has a difficult time discussing religious subjects, let alone cosmology. You need to be prepared to share these papers, so near and dear to your heart, and so very important to your deepest motivations, with people you hardly know.

When you participate in study groups, you can expect an enhanced sincerity of questioning and receptivity, balanced participation, warm fellowship and expanded understanding of God and his universe. Moreover, what could be a more magnificent focus for study than *The URANTIA Book*?

Nevertheless, many study groups languish and die. It is most important to stimulate the growth and maintenance of sound study groups. In the early years of the revelation, we were told to establish thousands of study groups. Now, forty years later we are still labouring to nurture the few hundred which are in existence. Why were we given this advice to form thousands of study groups? The study group is the ground work for the future. The study group is the place where grass roots level evolutionary growth can dependably occur, where powerful and lasting friendships arise.

(continued next page...)

*Your common or garden variety study group, easily spotted during Spring in
Canberra and environs ACT Australia (September 1995)*

It is where individuals and groups may emerge to support efforts to further the dissemination of *The URANTIA Book*. It is the place where the individual's understanding of the teachings of *The URANTIA Book* can be enhanced, amplified, deepened. And this increased reservoir of concept, this deepened perspective, can assist them in two surprising ways:

to become more effective in shaping social circumstances,

to be more able to respond with awareness, with comprehension of what is going on, to their thought Adjuster's whispered images.

In time, if enough groups of transformed, enlightened individuals are dotted around the globe, they will be available to be of service to those around them. The need for study groups is great, and so are the rewards for the group, the individual, and the planet. The study group movement, properly carried forward, should facilitate a relatively smooth integration of evolution and revelation.

The URANTIA Book has much to say on the value of groups.

"A social group of human beings in coordinate working harmony stands for a force far greater than the simple sum of its parts." (p. 1477.1), "Intellectually, socially and spiritually two moral creatures do not merely double their personal potentials of universe achievement by partnership technique; they more nearly quadruple their attainment and accomplishment possibilities."

(p. 494.10)

Thus it is certainly in our best interest to come together as groups to study and achieve tasks. Of course, we must understand that while we have little hope of achieving philosophic uniformity within any group of readers, this

Seeing myself as I am seen
helped me choose
to empty my quiverful of
razor sharp opinions
I used for defence.

fact itself hints at one of the most intriguing challenges that await us when we participate in a study group: striving to notice the spiritual agreement, even when our favourite beliefs are in the way.

The presence of a wide web of stable study groups could facilitate a relatively smooth integration of evolution and revelation.

Let us remember that groups multiply the power of individuals to do good. When people join together for

study to discover new truths together, remarkable things can happen. People who meet together for many years experience an unconscious growth, spiritual socialisation, and deepened friendships.

Setting up a group.

There are no set guidelines for starting or conducting a study group. Rather, we can share with you some of the experiences that fellow readers have gained from membership in various types of study groups. Over time, each group develops its own character and particular style of studying the book, one that best fits the individual needs of each of its members. Before even thinking about a group, make sure the purpose of your group is to study *The URANTIA Book*. Groups which study other books or topics are not *URANTIA Book* study groups. What appears to be an essential ingredient for a successful study group is a core group of readers who are committed to meeting at a routine time and place, thereby giving the group consistency and coherence, and providing the occasional visitor and new reader with a regular schedule. The purpose of a study group should be to socialise personal study, to expand insight, to prevent isolated religious interpretations, to provide an arena for interpersonal contact, and above all, to learn to work as a team.

Groups may read the book in a variety of ways—some start at the beginning and read one paper at a time together. Others will prepare for the meeting with everyone reading a paper in advance, while still others may choose someone to prepare a paper or topic for discussion. As you can see, there is a number of ways to meet and study the book, and we hope that every group will discover their own unique and satisfying way of studying *The URANTIA Book* and its teachings.

Practical considerations.

The room should be equipped with proper lighting and enough seating areas to be comfortable. Everyone should be able to see each other. It is helpful to have a dictionary and study aids such as a Concordance on hand. Coffee and tea or soft drinks with snacks should be provided.

Young children can be distracting. The group should agree on the policy of allowing children to be present. Music or television will disturb the concentration of most readers and is another policy that must be agreed to by all. The use of alcohol by members of the group during the meeting can cause misunderstandings between readers and can dilute the focus of the material being used. It is not recommended.

A balance between social time and study is essential to achieve the purpose of a study group. For weekly or fortnightly meetings, it is good to allow approximately fifteen minutes for socialising at the beginning of a study group, and thirty minutes at the end, with about an hour and a half for study. Other groups that meet only monthly or bi-monthly may find it better to have several hours of study, with longer times for socialising. For these types

(continued next page...)

of groups, often readers travel long distances to come to a study group and may require overnight accommodation.

Many groups say a short prayer or have a moment of silence to worship or pray, but this should always be a group decision.

Leadership and Teamwork.

What qualifications, what degree of mastery of the book, does one need in order to lead a study group? No one's mastery of the book is complete, but one should have read the entire book at least once. A good leader will feel comfortable acknowledging that he or she does not know the answer to a given question. (In fact, the better one knows *The URANTIA Book*, the more readily will one admit to having no idea at all about the matters that lie just a little beyond the "superficial narrative images".)

A difficulty arises when a group's leader begins to impose his restricted understanding upon others in the group. At best this will cause a polite friction and more or less tension, even leading the group to disband, while at the other extreme, the focus of the group may shift towards personal gospels and delusions. Such diversions rarely bring forth worthwhile fruit.

A study group leader is often not an expert but a facilitator of group processes. The point is for people to experience discovery, and a display of expertise is not often the most helpful approach in aiding others to achieve that goal.

Ideally, social control is invisible and unconscious; nobody dominates the conversation, no fruitless tangents are pursued, and no disruptions occur. Such problems will however occur, and a healthy study group is one that maintains self-mastery over them — and shares the responsibility for doing so. Leadership is often best shared.

Perseverance — the tenacity to pursue a worthy goal no matter who else cares to join — is a quality needed for a successful group to flourish. One study group began with a husband and wife, who studied alone every week for about two years; then they were joined by another couple. After a few more years, more people joined, and after a decade there were 60 people coming to the group.

"Effort and decision are an essential part of the acquirement of survival values." (p. 578.3) "All this must be according to the Father's plan, which has predicated finite progress upon effort, creature achievement upon perseverance, and personality development upon faith." (p. 1266.4)

So don't be discouraged if the group grows slowly at first. Simply being there and providing a group is of great help to the unseen friends who are attempting to lead their mortal associates along the path their heavenly father has mapped out for them. You can't force anyone to a study group, but you can be available when someone else starts looking for one.

As early as 300,000 years ago in Dalamatia, students were learning to work, study and fraternise with each other in teams. Leadership and teamwork go hand in hand.

"The superuniverse has its own seconaphim dedicated to teamwork! These are the angels who foster and promote the teamwork of all Orvonton. One of the most important lessons to be learned during your mortal career is teamwork." (p 312.2)

A study group provides a unique opportunity for readers of *The URANTIA Book* to learn to work together as a team and to develop skills as students, teachers and leaders. Members of a group can encourage study by keeping the focus of discussion on *The URANTIA Book* and its teachings, and by taking a tolerant and loving attitude that encourages listening to divergent viewpoints and welcomes everyone's questions and participation. Group study and fellowship are rewarding experiences that we all have come to cherish.

The study groups you will belong to or form will have a person who will organise, and perhaps a person who will share expertise, and another who will lead in different ways. A group usually chooses its own leaders and teachers. Ideally all members should be teaching by living these great truths within the group and with all men. If you find yourself as chosen to serve your group, be cautious, patient, constantly seek the Father's assistance, and keep these admonitions close to your heart:

"Always respect the personality of man. Never should a righteous cause be promoted by force; spiritual victories can be won only by spiritual power... Make your appeals directly to the divine spirit that dwells within the minds of men. Do not appeal to fear, pity, or mere sentiment... Be fair; exercise self-control and exhibit due restraint; show proper respect for the personalities of your pupils... do not lessen or destroy their self-respect... Do not wound the self-respect of timid and fearful souls. Do not indulge in sarcasm at the expense of my simple-minded brethren. Be not cynical with my fear ridden children." "In preaching the gospel of the kingdom, you are simply teaching friendship with God... Future generations shall know also the radiance of our joy, the buoyancy of our good will, and the inspiration of our good humour." (p. 1765)

Conclusion

All who join to study this revelation enter into close contact with the other members of the group in an atmosphere of religious fellowship. This is a very important experience, one you will most likely remember about this life in the worlds beyond. Present with you will be all the adjutant mind circuits, the Personality, Spiritual and Mind Circuits of the Father, Son and Infinite Spirit, Michael's Spirit of Truth, the Holy Spirit of the Divine Minister, the thought Adjusters and the unseen friends. With that kind of help, something terrific is bound to happen. Every dedicated participant strengthens all other participants. Best wishes to all who dare to venture out into the rewarding experience of study groups.

So They Say

Quarks, gluons and Pomerons—the complex heart of a simple proton.

Has the human race detected its first isolated ultimatons?

“Energy is close of kin to divinity when it is Paradise energy. We incline to the belief that monota is the living, nonspirit energy of Paradise—an eternity counterpart of the living, spirit energy of the Original Son...” “We cannot differentiate the nature of Paradise spirit and Paradise monota; they are apparently alike. They have different names, but you can hardly be told very much about a reality whose spiritual and whose nonspiritual manifestations are distinguishable only by name.”

The URANTIA Book page 471

By projecting energy from the absolute realm onto the constrained region we call the Master Universe, the chance to endlessly rearrange that energy arose. And over the last 100 years, it has been the important and increasingly profitable work of physicists to map these rearrangements.

In the same way that their precursors were able to agree to, and work in accordance with, a reality consisting of arrangements of Earth, Air, Fire and Water, so too had 20th century physicists given in to the evidence, and agreed that material reality is built upon the foundation of atoms of matter: arrangements of nuclei and their orbiting electrons. This description was quickly sharpened. It was found that the whole phenomenon could be more accurately described as clever arrangements of two families of particles: leptons and quarks (the nuclear particles, protons and neutrons being seen as triads of point-like quarks). It was thought that by including the forces responsible for animating these particles, a few equations should tie the whole thing into a testable model and a neat philosophical package.

In the article “*The Matter of Lepoquarks*” in the December 1994 edition of *The Arena*, we left the ladies and gentlemen of Science stuck in a siege before the walls of Quark, lacking the tools required to break through to the next mystery. To learn more about the nature of matter meant probing beyond the fields and behaviours already known to be associated with quarks. Their tools have since been sharpened, and it seems that some chinks in the wall have begun to appear.

Roger Cashmore, professor of particle physics at the University of Oxford, and Christine Sutton, are members of a team from Oxford working with the ZEUS detector at HERA, the Hadron Electron Ring Accelerator, beneath suburban Hamburg in Germany. (See a report on some of their results in an article in *New Scientist* (1 July, 1995, vol 147-1984) entitled “*The complex heart of a simple proton.*”

Prompted by earlier evidence that a proton must be more than a few quarks, they designed and ran experiments

to investigate deeper into the patterns of matter. The results they got were both satisfying and surprising. The data seemed to confirm the quark-based model of the proton, but at the same time hinted that quarks and gluons are only *phenomena associated with* the components of which matter is actually made.

Apparently the deeper we probe, the richer and riper a region for speculation the heart of a proton is a proving to be.

* * *

As early as 1973, there were signs that protons must contain more than just the three quarks proposed in the “standard model”. The quarks themselves could account for at most half of the proton’s momentum, indicating that the proton must “harbour something else as well”. That something was later identified as “gluons”, the carriers of the strong nuclear force that binds quarks to each other. The picture became interesting when it was found that these gluons seem able to temporarily transform themselves into quark-antiquark pairs, before returning to their “gluon state”.

During the 1980’s experiments at Fermilab near Chicago and CERN near Geneva, were able to probe down to a resolution of 10^{-16} metres, which meant they could give only a very coarse view of protons which have a diameter of about 10^{-15} metres. However, during recent experiments at the DESY lab in Hamburg, HERA has been able to probe features as small as 10^{-18} metres, 100 times finer than previously possible.

The earlier experiments had shown that the three “effective” or “valance” quarks were caught in an ephemeral sea of quarks, antiquarks and gluons, and that each of these sea quarks and antiquarks has relatively little momentum: no more (and perhaps much less) than 10% of the proton’s total. “The surprise from HERA is just how many gluons there seem to be. HERA can measure momentum fractions more than 10 times smaller than before, down to less than $1/1000^{\text{th}}$ the momentum of the proton, and the results show that there are in the region of 100 gluons overall—many more than simple extrapolations of data from previous experiments suggested.”

100 gluons overall?

Recall Paper 42: Energy — Mind and Matter. On page 476, in section 6, “Ultimatons, Electrons And Atoms”, a “Mighty Messenger” describes the arrangements of ultimatons of which “atomic matter” consists.

“The ultimatons, unknown on Urantia, slow down through many phases of physical activity before they attain the revolutionary-energy prerequisites to electronic organization. Ultimatons have three varieties of motion: mutual resistance to cosmic force, individual revolutions of antigravity potential, and the intraelectronic positions of the one hundred mutually interassociated ultimatons.”

“Mutual attraction holds one hundred ultimatons together in the constitution of the electron...”

“Ultimatons do not describe orbits or whirl about

(continued next page...)

in circuits within the electrons, but they do spread or cluster in accordance with their axial revolutionary velocities, thus determining the differential electronic dimensions. This same ultimatic velocity of axial revolution also determines the negative or positive reactions of the several types of electronic units. The entire segregation and grouping of electronic matter, together with the electric differentiation of negative and positive bodies of energy-matter, result from these various functions of the component ultimatic interassociation."

The URANTIA Book, page 476

In these paragraphs, the narrator seems to be implying that both electrons and the nuclear particles (protons and neutrons) share the same fundamental nature, being arrangements of ultimats. The differences between the particles arises from the different arrangements of their components. (Note that the HERA experiments investigate the proton. The electron still defies our probes.)

The results from HERA include much discussion and speculation about *colour*, a property which gives rise to the strong force in the same way that electric charge gives rise to the electromagnetic force. "But whereas there is one electric charge (negative, say) and one anticharge (positive), there are three colours for the strong force and three anticcolours. And just as electric charges gives rise to an electric field, these "colour charges" give rise to a colour field associated with the strong force."

"It turns out that when the quarks combine to form particles they can do so only in combinations that have a net colour of zero. One way they can do this is to group together in threes, each quark with a different colour, so that the colours in effect neutralise each other, rather as the three primary colours (combine to) make white." Quark triads of this type, such as protons and neutrons, are called baryons. Alternatively, a quark can pair with any appropriately anticoloured antiquark to form a meson (mesotron?)

On the matter of the meson/mesotron, recall the following from Paper 42, page 479:

"The charged protons and the uncharged neutrons of the nucleus of the atom are held together by the reciprocating function of the mesotron, a particle of matter 180 times as heavy as the electron. Without this arrangement the electric charge carried by the protons would be disruptive of the atomic nucleus."

"The mesotron causes the electric charge of the nuclear particles to be incessantly tossed back and forth between protons and neutrons. At one infinitesimal part of a second a given nuclear particle is a charged proton and the next an uncharged neutron. And these alternations of energy status are so unbelievably rapid that the electric charge is deprived of all opportunity to function as a disruptive influence. Thus does the mesotron function as an "energy-carrier" particle which mightily contributes to the nuclear stability of the atom."

"The mesotron explains certain cohesive properties of the atomic nucleus, but it does not account for

the cohesion of proton to proton nor for the adhesion of neutron to neutron. The paradoxical and powerful force of atomic cohesive integrity is a form of energy as yet undiscovered on Urantia."

(The URANTIA Book, page 479)

At HERA, an odd thing has been happening in about 10% of its high energy collisions. Usually, an electron strikes a proton and violently knocks out a quark, which then emerges in the guise of a jet of new particles. The remainder of the proton is so disrupted that it breaks apart, its remaining component quarks and gluons recombining to form various colourless particles. However, about once in every ten collisions, this explosive disruption is not seen. Instead, what seems to be a "colourless island" (an entire colourless component) is cleanly detached from the proton.

no properties except energy and momentum

A possible explanation involves an almost forgotten object called a "pomeron". The idea of such an object was first raised by the Russian physicist Isaac Pomeranchuk in 1958. He predicted the existence of an object that has no properties except energy and momentum. The speculation is that just such an object is being detached in the 10% of unusual collisions recorded at HERA.

Can we *URANTIA Book* readers speculate that it is in fact an ultimaton that is being detached?

Has the human race detected it first isolated ultimaton?

Nigel Nunn, ACT, Australia.

LIFE LAW LOVE

**Revelation is love
and love is in evolution.
God doesn't need man to construct
mausoleums in his honour.
He wants you to build faith in Him
and to love your fellows.
That is the law of life
and Life is the law.**

Ralph Bartley