

ISUS News

**The Newsletter of the International Society of
Unified Science, Inc.**

February, 1990

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ISUS News

A publication of the **International Society of Unified Science**, an organization devoted to advancing the Reciprocal System of theory.

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1990 ISUS Annual Summer Conference at Reed College in Portland, OR on August 3-5, 1990

ISUS is pleased to announce that the 1990 Annual Conference will be held on the campus of Reed College in Portland, OR, on August 3-5 1990. In following our usual format, the conference will start at 9:00 on Friday, August 3rd. Presentations of papers and discussions will take place all day Friday and Saturday morning. The ISUS business meeting will be held on Saturday afternoon. Sunday morning we plan to have a conference review and discussion group.

ISUS has reserved a number of dormitory rooms for members to stay in on Thursday, Friday, and Saturday night. We currently have not received all the details from the Reed College administration, so we are not sure of the exact number and cost of the rooms. There are single, double, and triple rooms available. If you would like to be assured of having a dormitory room, please contact Rainer Huck, 1680 East Atkin Avenue, Salt Lake City, UT 84106 to make a reservation. Once all the rooms have been reserved, anyone else desiring a room for the conference will have to stay in one of the nearby motels. We will be sending a more complete announcement out about the conference in the next couple of months. In that announcement we will indicate exact costs of the dormitory rooms, and suggest alternative motel accommodations.

We urge all ISUS members to consider making a presentation at the conference. Keep in mind that presentations do not have to be formal papers. They can be reports on work in progress, or merely ideas to present for discussion. This year ISUS plans to initiate a new policy regarding presentations at the conference. If you would like to make a presentation, we are requiring this year that by July 15th you submit an abstract of your presentation along with an indication of approximately how long the presentation will take. This will allow us for the first time in several years to have an agenda ready for the conference prior to the beginning of the conference. If you wish to have your presentation considered for publication in *Reciprocity*, you should have a type-written copy of the paper available at the conference.

This year ISUS plans to offer a workshop on Thursday, August 2, to be taught by Lawrence Denslow. The cost of the workshop will be \$25 for the whole day. Dormitory rooms will not be available on Wednesday night, so those attending the workshop will have to make motel reservations for that night. The tentative schedule is as follows:

9:30 - 12:00 Introduction to the Reciprocal Theory
2:00 - 5:00 A choice 3 topics - Physical Properties of Matter,
Principles of Atomic Orientation and Bonding,
Applications of the Reciprocal Theory to Astronomy

We will provide an application for the workshop in the forthcoming announcement about the conference and the dormitory rooms.

Letter from the President

Edwin Navarro

I wanted to take the opportunity of this ISUS News issue to let the members know about some of the current activities at ISUS. This organization has the potential to be of great influence in the scientific world. In order to realize that potential, we must have your active support and participation in these activities.

New Reciprocity Format

We hope that you have noticed the new format that we began using for the Autumn, 1989 issue of Reciprocity. Jan Sammer has begun producing the journal using desktop publishing programs on a Macintosh. Though the Autumn issue was late due to the transition, we are hoping that future issues can be produced much more quickly due to the use of optical scanning equipment which eliminates much of the typing required. We believe that the quality look of the journal will help the image of ISUS as a professional organization.

Articles for Reciprocity

The editors of Reciprocity have to walk a fine line in choosing articles for Reciprocity. The Society wants to make every effort to encourage more members to submit articles. At the same time the focus of the magazine must be maintained. The fundamental requirement for articles to be published in Reciprocity is that the ideas in the article must purport to be derived from the fundamental postulates of the Reciprocal Theory, or from previously published conclusions reached on that basis. We realize that the number of people doing highly original research with the Reciprocal Theory is very limited. Many members, though, have spent time studying the theory and may have a particular area of interest. Articles of an introductory nature that elucidate some particular aspect of the theory are very much appropriate for Reciprocity. Letters questioning or challenging ideas in previous articles are also an important source of material for Reciprocity.

If you have thought of producing an article for Reciprocity, but have been unsure of whether it was appropriate, go ahead and write it and send it to one of the editors. The article will be reviewed by two referees chosen from ISUS' referee committee. In most cases, as long as the article is based on the Reciprocal Theory, the referee will either accept the article as is or may ask for a few revisions before publishing.

Membership and New Brochures

The ISUS membership has remained essentially constant for the last six months at about 80 paid members. We have received the names of only a few new prospects since last summer's conference. There was a discussion at last summer's conference about ways to generate more interest in the Reciprocal Theory and to increase the membership of ISUS. One thing that we are seriously lacking right now is a good introductory brochure. We feel that Dewey Larson's books and the Reciprocity journal issues are the cornerstone of information about the Reciprocal Theory. What is missing is some way to sufficiently stimulate the interest of individuals who are completely unfamiliar with the Reciprocal Theory, so that they will want to further pursue study of the theory in the books and journals.

Towards this purpose, we are initiating a project to develop new introductory brochures for ISUS. It has been suggested that we produce two brochures, one for individuals with an interest in science, but a limited physics background, and one for physics professionals. Dave Chance showed some of the past ISUS brochures to a number of individuals and recorded their reactions to what they read. The reactions were primarily negative, not so much as to what was said in the brochures, but in the way it was said. Based on this we are looking at completely new designs and content for the brochures.

Anyone who would like to participate in this project in any way should drop me a line and let me know how you can help. If you would like to write some sample copy or design a sample outline of a brochure, such assistance would be very much appreciated. Our goal is to have the brochure design and copy completed before this summer's conference.

If you would like to help, my address is:

21 Steven Drive
Petaluma, CA 94952

Research Interests at ISUS

Last fall I sent a letter to all ISUS members. As part of that letter I asked for any members of ISUS who were interested in any aspect of research with the Reciprocal Theory to contact me. My purpose in soliciting this information was to encourage research collaborations among ISUS members. I have received several replies from individuals involved in both experimental and theoretical research. If you find that you have the same research interests as some of the members listed below, feel free to contact them.

My goal is to increase the communication among members, with the hope that new ideas will be generated by greater communication. The degree to which these individuals are involved in research varies greatly, since practically all of them are working only part-time with the Reciprocal Theory. This means that some of these projects may be sufficiently far along to be about ready for publication, while others may be only at a preliminary idea stage. It is my goal to encourage all levels of interest, and all new ideas. It is only through examination and careful evaluation of these ideas that significant new discoveries can be made with the Reciprocal Theory. The individuals are listed in alphabetical order.

David Halprin
PO Box 460
North Balwyn 3104
Victoria, Australia

Einstein, Podolsky, Rosen Paradox
and Contiguity in Reciprocal
Theory.

George Hanson
PO Box 113
Taconite, MN 55786

Connections between Relativity and
the Reciprocal Theory.

Tom Kirk
20267 E. Edgemont Pl.
Walnut, CA 91789

Nature of the Photon, High-Speed
Motion, and Translational Motion

Paul Little
2334 Monroe Blvd. #502
Ogden, UT 84401

Carbon Fiber experiments, and
Electro-Stimulation of Biological
Processes.

Edwin Navarro
21 Steven Drive
Petaluma, CA 94952

Mathematical Formulation of the
Reciprocal Theory

K.V.K. Nehru
P.G. School, J.N.T. University
Hyderabad 500028
India

Theoretical Basis for Cold Fusion
Experimental Results

Hoyt Stearns
4131 E. Cannon Dr.
Phoenix, AZ 85028

Cold Fusion Experiments

Report on Cold Fusion Experiment

Letter from Hoyt Stearns to Frank Meyer

My fusion experiments are still active, and I plan to continue to run them, using new information as it becomes available. The only positive results I have obtained so far (on the 4th restart with modifications) are somewhat tentative, and did not involve palladium at all. I set up a capacitor discharge power supply to discharge 200 volts every 20 seconds into platinum wire immersed in D₂O. I believe I got extra heat on the order of 5 watts. Interestingly enough, when I increased the voltage to 1000, the heat went down. It is very difficult to measure the actual electrical power supplied to the soup when it is delivered in pulses, with a constant D.C. bias. The discharges yielded bright pink flashes, a rather large shock wave that I feared would break the thick glass vessel, but no damage occurred. The solution became black in color, which turned out to be particulate suspension. I don't know what it is, but the two possibilities are carbon from the LiCO₃ which forms if carbon dioxide is in contact with LiOH. I have a sealed cell, so I doubt this happened unless there is a leak. The other possibility is platinum powder ablated away from the wire tip. I have a dry sample, but no equipment to analyze it here.

Positive results continue to occur by other researchers, but the press seems largely to ignore them. Still, no one has been able to correlate heat production with anything in particular. One researcher jocularly reported the common denominator was that Tchaikovsky's 5th symphony must be playing in order for it to work.

I will do a formal report. I prefer to wait until a little more information becomes available and I get substantial heat production, or I terminate the project. How is K.V.K. Nehru coming on his fusion research?

I just applied for a "Small Business Innovation Research" grant for a reactionless thruster, based on my flywheel idea which I derived from Dewey's theory that mass must reduce when an electric current flows through a conductor. If accepted, this provides \$50,000 for six months work, the result of which is a report on the research. It looks like an excellent program. More ISUS people should apply. One friend here has gotten 30 of them already (in cryogenics and stirling engines). A phase II grant is \$500,000.

I heard on the radio that Japanese researchers were able to demonstrate that a counter-clockwise rotating, (but not clockwise) gyroscope shows reduced mass. K.V.K. Nehru predicted that a rotating object loses mass along its spin axis, but did not indicate that direction was important. I have not been able to find out who or where this happened, but it is an astounding finding and a great boost to the R.S.

Editor's Note: Contact Hoyt Stearns at 4131 E. Cannon Dr., Phoenix, AZ 85028 if you would like more information about his research or the SBIR program. The Japanese research was mentioned in the Jan. 6, 1990 issue of Science News and was originally published in the Dec. 18, 1989 Physical Review Letters. The two researchers, Hideo Hayasaka and Sakae Takeuchi of Tohoku University in Sendai were quoted as saying, "The experimental result cannot be explained by the usual theories."

Videotapes of Past Conferences

David Chance has for the last two years made videotapes of the ISUS annual conferences. He has completed editing the 1988 conference tape, and ISUS now has these tapes on sale for \$27.00 plus \$3.00 shipping and handling. The tape is 2 hours long and contains selected highlights of presentations of conference papers, as well as a question and answer session with Dewey Larson. Questions were from the audience, which included members of the general public as well as long-time members of ISUS. The questions range from Larson's opinions of black holes to his ideas on future developments of the theory.

If you would like to obtain a copy of the tape, send a check for \$30 to ISUS, 1680 East Atkin Avenue, Salt Lake City, UT 84106. Please allow 4-6 weeks for delivery.

The tape for the 1989 conference is expected to be ready within the next couple of months. When the tape is available, we will include it on the list of items for sale on the back of each issue of Reciprocity.

1989 ISUS Conference Review

The 1989 ISUS Conference was held at the Jade Tree Motel in Portland, OR on August 11-12, 1989. Approximately 25 ISUS members attended. Papers were presented to the conference all day Friday and Saturday morning. Informal discussions were taking place during breaks and in the evenings. It seems that the nature of the photon was a hotly debated topic.

Though Dewey Larson was unable to attend the conference due to his health, individuals were able to have half-hour visits with Mr. Larson during the conference days. On Saturday night, the Larsons hosted a get-together at their house. Discussions among members and with Mr. Larson went on until late in the evening. We wish to thank the Larsons for their wonderful hospitality throughout the conference.

The following is a list of the presentations at the conference:

K.V.K. Nehru	Radio Component Separation in Quasars Is Ferromagnetism a Co-Magnetic Phenomenon? The Law of Conversation of Direction
Henry Meyer	A Reciprocal System of Higher Dimensions
Lawrence Denslow	The Motions of Atoms
Frank Meyer	The Concept of Mass
Thomas Kirk	High-Speed Motion

MINUTES OF THE BUSINESS MEETING OF THE 14TH ANNUAL CONVENTION OF
THE INTERNATIONAL SOCIETY OF UNIFIED SCIENCE

Saturday, August 12, 1989 at the Jade Tree Motel, Portland, Oregon. The business meeting of the International Society of Unified Science was called to order at 1:10 pm by Frank Meyer, president. Nine members were present: Frank Meyer, Phil Porter, Rainer Huck, Robin Sims, Ed Navarro, Hoyt Stearns, K.V.K. Nehru, Larry Denslow, and Jan Sammer. Others present were W. McCraw, H. Myers, David Chance, C. Halvarson, T. Kirk, M. Witter, Bob Hewitt, and Sara Estby.

1. President Meyer read the minutes of the last meeting and then asked if there were any errors or omissions. Member Porter moved and member Huck seconded that the minutes be accepted as read. Carried. Member Sims agreed to be acting secretary, because of secretary Satz's absence.

2. Treasurer Rainer Huck then read his report. As of July 29, 1988 the balance was \$3914.80. The income for the year was \$4074.33, and the expenses were \$3881.48. So the balance as of August 9, 1989 was \$4107.65. There are now 54 paid memberships and 13 paid subscriptions. The president asked for discussion of the report. Member Sammer questioned the money paid (\$300) to member Stearns for cold fusion investigations. Treasurer Huck replied that member Stearns would be reporting back to ISUS very soon. Member Navarro said that in the future any such grants should be properly approved. Then member Porter moved and member Denslow seconded to accept the report. Carried.

3. The president then asked for Old Business. The following topics were discussed:

a. membership activity: member Navarro stated that he mailed out solicitation cards to attract new members. In response to president Meyer, member Navarro said that members not wanting their names listed publicly would have their wishes respected. Member Huck moved and member Porter seconded that member Navarro's report be approved. Carried.

b. editor's report: managing editor Meyer stated that 2 issues of Reciprocity (Vol. 18, nos. 1 & 2) and 1 issue of ISUS News were printed. Each page cost 2.5 cents, and 200 copies of each issue were printed (so as to keep 3rd class mailing status). He reiterated that he would like the number of copies to be increased to 1000. Member Porter moved and member Navarro seconded that the editor's report be approved. Carried.

c. back issues of Reciprocity: managing editor Meyer said that back issues were still available and that he was sending 6 copies of each to ISUS headquarters in Utah. As agreed last year, an order form with index is to be put in Reciprocity annually.

d. cosmic proton mass: Satz wrote a paper presenting his analysis in the Autumn, 1988 issue of Reciprocity.

e. Boston University meeting: president Meyer said that Prof. Shimony of the Physics Dept. recommended that the dept. not invite Larson or ISUS. Perhaps Prof. Anderson's Engineering Dept., however, might.

f. reprint: treasurer Huck stated that 485 copies of Larson's Case Against the Nuclear Atom were printed and are now on sale for \$6.00 each.

g. liquid state papers: they are still not ready for publication.

h. conference video taping: Chance asked that his agreement with ISUS be extended for another year, and include highlights of the 1989 conference as well as that of 1988. Member Porter so moved and member Navarro seconded. Carried.

i. rebinding: member Porter said that all stock copies of Larson's Basic Properties of Matter have been rebound.

4. Next the elections were held.

a. board elections: members Curtin, Navarro, Halprin, and Blackburn were up for election (and there was one additional opening). The following were nominated: members Halvorsen, Navarro, Blackburn, and Halprin. President Meyer explained the duties of board members, and member Sammer read from the ISUS constitution the objectives of the society. Member Porter moved and member Denslow seconded that the four nominees be elected by acclamation. Carried. So, the 1989-1990 board consists of the following individuals: Anderson, Meyer, Huck, Satz, Stearns, Denslow, and Mitchell (with one year to go at the end of next year); Nehru, Porter, Sammer, and Sims (up for reelection next year); and Halvorsen, Navarro, Blackburn, and Halprin (with two years to go at the end of next year).

b. elections of officers: president Meyer asked for nominations for secretary of ISUS. Member Huck nominated Ron Satz, the current secretary. Member Porter moved and member Navarro seconded that the nominations be closed and that Satz be reelected by acclamation. Carried. Then member Denslow nominated Rainer Huck, the current treasurer, to continue to be treasurer. Member Porter moved and member Navarro seconded that nominations be closed and that Huck be reelected by acclamation. Carried. Next, president Meyer reported that member Navarro had expressed interest in becoming president of the society. Meyer said he was happy to encourage a new person in the job and thanked all present for allowing him to be president for so many years; he added that he was willing to continue to be a board member and managing editor. Halvorsen nominated Ed Navarro to be the next president. Member Denslow moved and member Huck seconded that the nominations be closed and that Navarro be

elected by acclamation. Carried. The new president then took over the proceedings and opened the nominations for vice president. Member Huck nominated member Meyer to be vice president. Member Meyer nominated member Halprin. Member Porter moved and member Halvorsen moved to close nominations. Carried. The vote was by a show of hands; former president Meyer was elected vice president.

5. New Business

a. North Pacific Publishers: member Porter said that he would like to have NPP and ISUS share literature. William McCraw, vice president of NPP and in attendance, said that NPP is very open to this proposal. Member Meyer so moved and member Porter seconded. Carried. McCraw said that Larson desires a division of function between NPP and ISUS; he wishes ISUS to remain an intellectual group, not a publishing house--NPP should handle the publications. Dorothy Larson said that she now refers interested persons to ISUS.

b. editors: member Porter stated that editors are recommended by the president and approved by the board. President Navarro said that in that case the editorial staff would remain unchanged for now.

c. promotional literature: president Navarro asked about production of introductory literature. Member Huck responded that only old promotional material is available and needs to be updated. The president stated that what we need is a new introductory brochure. Chance then stated that he was working on a revised brochure and handed out to board members a questionnaire to help in the design. He volunteered to coordinate the writing of the new brochure. Member Porter moved and member Meyer seconded to thank Chance for his efforts.

d. grant policy: president Navarro stated that he would like to establish a grant policy and asked member Huck once again to elaborate on the grant made to Stearns. Member Huck said the grant was justified and that he and Meyer had authorized it. Member Porter moved and member Denslow seconded to have the ISUS board endorse the action of Huck and Meyer. Carried. Then member Denslow moved and member Huck seconded that the executive board of ISUS have power to accept and make grants. Porter moved to amend the motion to the effect that the board should develop a grant policy. No second. Both the amendment and the motion failed. Then member Porter moved and member Denslow seconded that the executive board propose a policy of grants to be presented to the entire board within three months time. Carried.

e. other promotional ideas: Hewitt asked if any popular scientists (other than I. Asimov) were familiar with the Reciprocal System. No response. President Navarro suggested sending literature to physics departments. Member Stearns said he writes letters to magazines, such as Scientific American, but most often gets no response. Witter asked about the feasibility of donating a full set of Larson's books to university libraries. Member Denslow responded that he attempted this with his own college and got rejected. But Halvorsen noted that in his area, Colorado, many of the colleges had the older books. President Navarro asked what ISUS should do now to spread the ideas. Chance suggested that two brochures should be developed, one for lay people and one for physicists.

6. Next Year's Convention

Member Porter moved and member Meyer seconded that the next convention be held on August 3rd and 4th, 1990 on the campus of Reed College, Portland, Oregon; if Reed College is not available, then attempts to locate a suitable college campus in Portland would be made, with the Jade Tree Motel being the last resort. The location is to be fixed and approved by the president by November 15th, 1989. Member Porter stated that he would look after all arrangements. The motion carried. Member Porter moved and member Meyer seconded that the president have authority to commit up to \$300 to secure Reed College accommodations. Carried. Member Halvorsen asked if there were any standards for convention programs. Member Porter moved and Halvorsen seconded that Halvorsen head a committee to formulate program standards. Carried. President Navarro appointed Estby and Meyer to work with Halvorsen in the committee.

7. Acclamations

Member Meyer thanked member Sims for recording the minutes and thanked member Porter for making the convention arrangements.

The meeting was adjourned.

Ronald W. Satz
Secretary, ISUS

Note: I edited and typed these minutes on the basis of member Sims' handwritten notes. Any errors should be corrected at the next meeting.