CEREBRAL NEBULA

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The 5th issue of CEREBRAL NEBULA is brought to you by the only surviving Seattle Dipzine. This is a journal of Postal Diplomacy, Games Research Inc., 48 Wareham St. Boston, Mass. 02118. The ed.

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All correspondence should be directed to the editor unless otherwise noted. Any literary contributions are particularly solicited although the ed. reserves the right to edit, condense, or turn into the U.S. govt. if you're trying to get a security pass.

Game fees are $3 for regular games, which also secures the zine as long as the game is in progress. Variants are $2 and team games are 1 buck per person. Zine sells for 1 dollar for 10 issues.

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N E W Z I N E C O M I N G T O S E A T T L E

Yes, new zinecoming toSeattle ((sic)). It seems Doug Beyerlein wants his own zine because ... ask him! I don't know the exact name but there has been one suggestion which is I Love A Parade. So, if you see I Love A Parade in your mailbox don't connect me with it. -ed.

(((Mr. Long never was too well informed on current happenings. Had he asked, he would have learned that [illegible] called EFGTART.)))

ADDRESS CHANGES

Tom [illegible], 31 [illegible] Hall, University of Wash., Seattle, Wash. [illegible]

Richard [illegible], Chicago, Ill. 60637

[illegible] Apt. 19, [illegible], Oakland, Calif. 94611

[illegible] Los Angeles, Calif. 90005
Don't know if that's permanent.

1967 F (CN#1)
Spring 1903

ENGLAND: F North, Eng C, & Lon hold--no moves received on time
(Evans)

FRANCE: A Gas & A Mar hold - The Army in Mars is elim.
(Peery)

GERMANY: A Pic (S) A Par-Bre; A Par-Pic; A Bel-Ruh; F Hol (S) F Kiel-Helg; Kiel-Helg;
(Metzger) F Den-Skag; F Ber-Kiel.

ITALY: A Pied-Mars (S) by F Spa(s.c.); A Ven-Tyr; A Rom-Ven; Pied Holds.
(Rueston)

AUSTRIA: All units Hold, A Ukr elim.
(Alden)

RUSSIA: A Rum (S) F Sev; F Sev (S) A Rum; F Mar (S) F Sev; A Bud-Ser (S) by A Rum;
(Rosenbaum) F Swe-Bal; F Nor-Ska.

TURKEY: F Ank-Con (S) by F Sev; A Bul; Holds; F Bla (S) Bulg.
(Tzudiker)

PRESS RELEASE

Turkey:
The Turkish Gov't may seem to be dormant; however the chaotic situation requires that Turkey re-evaluate the current situation. It would like th invite all nations to show their intentions by their actions so that a course for world peace can be plotted and a positive program to effect Peace on Earth & Good will toward men can be initiated.
((What ever happened to Her Majesty?))

1967 F (CN#2)
(Spring 1903)

ENGLAND: F Lon-North Sea; F Eng C-Mid; F Mid-Port; F Nor-Swed; A StP-Mos.
(Turner)

FRANCE: F Bre & A mars Hold- no moves received.
(Stewart)

GERMANY: A Bur-Gas; A Par (S) A Bur-Gas; A Bel-Bur; A Mun (S) A Bel-Bur; F Den-Kiel
(Haggart)

ITALY: F Ion-Aeg; FNap-Ion; A Tri-Alb; A Ven-Tri; A Tyr & A Vie (S) A Ven-Tri.
(Turk)

RUSSIA: F Swe-Nor; A War-Liv; A Mos (S) A War-Liv; A Ukr (S) F Rum-Sev; F Rum-Sev;
(Baker) A Bud-Rum; A Ser(S) A Bud-Rum.

TURKEY: A Bul-Rum; F Bla (S) A Bul-Rum; A Arm-Sev; A Con-Bul; F Greece (S) A Con-Bul.
(Wagner)

MOVES FOR CN#1 AND CN#2 are DUE : NOVEMBER 11, 1967 (ARMISTICE DAY) to the Ed

ENGLAND: [illegible]
(Wells) [illegible]

FRANCE: A [illegible]; A [illegible]; A [illegible] ([illegible]); A Par [illegible]; [illegible]
(White) [illegible]

GERMANY: A Holl- [illegible]; A [illegible] (S) A Holl-Bel; A [illegible]; F [illegible]
(Hueston) F Lar-Bal

ITALY: A Tri-Ser; A Ven-Tri; A Tyr (S) Ven-Tri; F [illegible]; A [illegible]
([illegible]) Apu

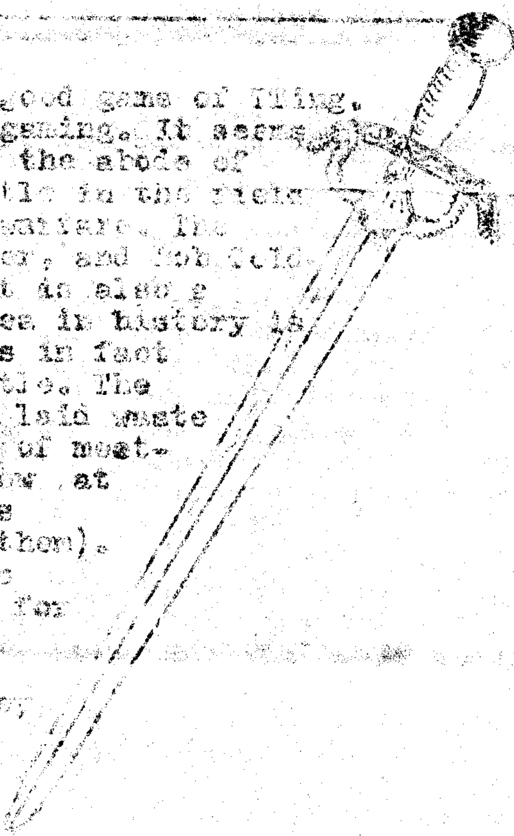
AUSTRIA: A Vie & F Alb [illegible]
(Bramman)

RUSSIA: A Ukr-Rum; A Gal (S) A [illegible]
(Lyon) F G of B- StP [illegible]

TURKEY A Bul [illegible]
(Gemignani)

Policy regarding substitute players: N[illegible]
Turkey did not send in moves this turn [illegible] fail to send [illegible]
fall moves substitute players will be notified. Anyone interested
in being a sub send in moves for countries that have holds.

Moves due: Nov. 11 to Douglas Beyerlein [illegible] SW Southern Seattle, Wash
98116



I finally had a chance to get into jolly good game of TTing. TTing by the way stands for Table Top Wargaming. It seems that a Sunday ago the group went north to the abode of Shagrin the Lion Hearted to put forth battle in the field of miniture(now I know that isn't right [illegible] warfare. The collection of Richard Shagrin, Terry G[illegible]er, and Bob Goldman is really something to see. The layout is also a masterpiece of thought. The Napoleonic area in history is covered quite well in their models. It was in fact a Napoleonic conflict in which we did battle. The great team of Rosenbaum, Shagrin and Long laid waste to the French army. Also had the pleasure of meeting Bob Speed and James Wright who are know at the U. of W. Their stay was short(it seems that Richard was running out of beer for them). Anyone coming to Seattle has got to get in touch with Richard Shagrin or Bob Goldman for a fasinating display. Also, some of their TT rules will be appearing in [illegible].
Would you believe Table Top Diplomacy? They play it!

QUASARS (not Quasers) rewritten

Richard Arc, 3563-33 [illegible], Sacramento, Calif. 95821: In comment to the QUASAR problem, I would like to add that if, as you say, a Quasar is an implodon of a super-star, we would have to admit to ourselves that such an implosion is rather phenomenal in that no observable decrease in energy forms is witnessed as is normally with explosions and implosions. Therefore, we should have to conclude that the QUASAR implosion is a perpetuality, which [illegible] self-generating force. However, even if we agree to this, we still have the problem of high radiation produced by these objects. Now, if we assume a QUASAR to be an extremely high-speed, white, super-star, we can then explain a greater brilliance, but not enough yet. Since this object is billions of light-years away, and traveling-from what we have been able to gather- at a very high velocity, it would seem reasonable to assume that several star systems are annihilated as this QUASAR goes through space, thus "swallowing" up the systems causing any planets to explode and spin off after hitting the surface of the QUASAR in a fashion like that of nuclear fusion- but on a multi-planetary basis, and in conjunction with the QUASAR'S own cooling which is believed to cause parts of it to flip out into an orbit around it as is also believed to be the method of creation of our system, including our dear, little earth. The radio-beams would then be the result of the such nuclear fusion on a grand scale, and the other energy forms- light and heat-would be logical deductions from such fusions. Of course in the process of traversing space, such systems would be drawn into the QUASAR with their star, and what happens when 2 stars collide? Comments?, Greg or anyone?

((I took the privilege of sending Mr. Arc's letter to Prof. John Boardman whose article now follows.))

John Boardman, 592 16th St., Brooklyn, N.Y. 11218: Your article about Quasars (one "s" please) ((O.K.)) in CN #6 takes for granted some things that are at present only speculative. We know that quasars have high velocities because of the fantastic shifts in their spectral lines towards the "red" end of the spectrum. Sometimes these shifts are so great that the first job in studying a quasar spectrum is simply to identify the shifted spectral lines.

The question remains, do these objects have high velocities because they are moving intrinsically with respect to us, or because they are taking part in the expansion of the universe? If the former is true, then they are, ~~like other objects~~ ((typo))then they are relatively nearby, within or just outside our own galaxy. If the latter is true, such high velocities mean that they are billions of light years away and are, like all other objects at such great distances, receding from us as part of the expansion of the universe.

Let us consider the former hypothesis first! It seems unlikely, though it would simplify the problem by making it possible for the quasars to have relatively small sizes and energies. One argument against it is that all the quasars seem to be moving directly away from us, with no transverse component to their velocities. If they were at billion-light-year distances this could be expected, as the expansion of the universe has no transverse component! If, however, they were nearby as astronomical distances go, we could expect to

This fact has given rise to [illegible] explanation. It has been suggested that the [illegible] the products of interstellar space-ships plying routes through [illegible] gateways. Only those space-ships whose courses happen to be [illegible] visible to us, hence their are so many [illegible] velocities observed among the quasars. This hypothesis is unlikely for the cogent reasons put forward in the papers collected by A. G. W. Cameron's Interstellar Communication. These authors concur in believing that, for reasons of energy, interstellar communication will take the form of a radio or TV network rather than orgonbes of space.

The more likely hypothesis is that quasars are immensely distant and energetic objects, pouring out radiation much more violently than several galaxies. They are not likely to be single stars, but entire galaxies.

Stellar implosions do occur, if a collapse can be regarded as a "slow implosion". Old stars tend to collapse in diameter, as their hydrogen burns out. The end product of this collapse is a white dwarf star, ((obviously from Lothlórien)) such as Sirius B or Procyon B. It is not yet known whether a supernova - a stellar explosion - is a necessary part of this collapse.

But quasars, if they are extragalactic, are pouring out energy with a greater flux than even supernovae. What sort of collapse could take place?

Apparently we can rule out a total conversion of matter into energy. This possibility, which was first put forth in 1905 by Einstein and given some experimental confirmation when Rutherford split the nitrogen atom in 1918, is limited by the law of conservation of baryons. A more massive baryon - a neutron, for example - can give up some of its mass in the form of energy and become, ultimately, a proton. A combination of six protons and eight neutrons. But to the best of our knowledge of elementary particle physics, baryons cannot be destroyed. ((the most basic law of physics)) If this were possible, the total destruction of an average star would give us about [illegible] joules of energy. That is roughly equal to a year's output of energy by all the stars of a typical galaxy, radiating at their usual rate by means of hydrogen fussion.

A "self-generating force", to which Ricky Arc would like to attribute the collapse, just doesn't exist. Even compared to the possibility of baryon destruction, this sort of thing- which violates the law of conservation of energy- is most unlikely.

Arc also hypothesizes that a quasar is "billions of light-years away, and traveling... at a very good high velocity". With regard to objects around it, this does not appear to be the case. The quasars - if very distant- are receding from us at a great velocity but so does the rest of the universe, with a velocity which is proportional to the distance of the object and independent of its own character.

He is using a very old astronomy book if he believes that stellar collision is the origin of our own planetary system. This theory was abandoned some 30 years ago after it became evident, from study of stellar composition, that a near-miss of two stars could not produce the effects anticipated by Chamberlain, Moulton, Jeand, and other adherents of this idea. Astronomers have now returned to the Kant-Laplace nebular hypothesis, modified and updated by von Weiszäcker and others. I'll have a column on this topic shortly in Ted Paul's Kipple.

Its true, Richard Shagrin's High Liver is now officially dead. In a statement made by Shagrat ((hmm? where have I heard that before?)) he said: " The Liver has folded." This has of course left a deep gap in Fandom and DipZines in Seattle. The games that the Liver was carrying have still yet to find a new owner. It was rumored that Larry Peery was going to take over the economic game but he still hasn't shown any effort to get going. The other game was to be taken by I.I., unfortunately I.I. is also dead (or at least its a couple months late). Maybe Beyerlein's new zine, ~~I Love A Parade~~, will take over one of the new games that were started. ↑ Peery, get that game started!!!

EFGIART -- D. Baker

*

Regular Dip: Arc, Beshara, Greene, Rhodes, and Haramis (all owe $3 exept Haramis who only owes 1$)

Imp VIII : Cowan, Haggart* Wittman, Musa* Stewart*, White, Curran, Roark*, ~~Gemignani*, Rosenbaum~~. As soon as I can get the $2 we'll start the game.

The rest of the games arethe same as last time (see CN#8).

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(call me because I won't call you, unless you're willing to go collect)

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