



**THE RODS OF AMON RA
AND
THE TAU CETI CON GAME**

**The Ra System and what is known
about Extraterrestrial Message 1**

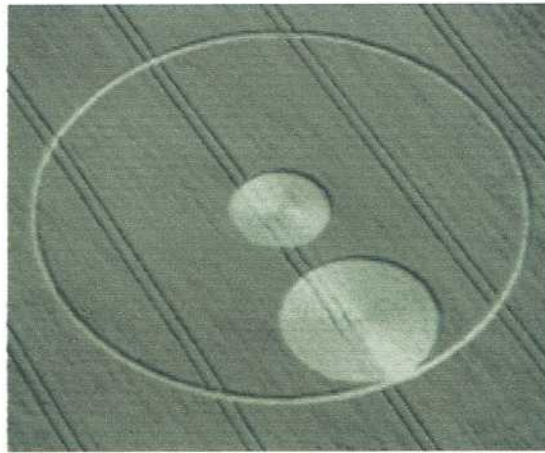
Wesley H. Bateman

PART ONE

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**"For there is nothing covered, that shall not be
revealed; neither hidden, that shall not be known."**

Luke 12 : 2



**THE NINE EXTRATERRESTRIAL MESSAGES AS RECORDED
AND PUBLISHED IN 1995 BY THE CONTACT PROJECT ARE
PRESENTED NEXT IN THEIR ENTIRETY.**

**Oh, what an evil web site we weave.
When first we practice to deceive.**

The following was taken from The Contact Project's web site:
www.ibiblio.org/lunar/alien.html. (**inactive**)

The Contact Project- Why?

"Why are we doing this? What is it all about? Well obviously, no messages have really been received from Tau Ceti. However, I urge you to leave reality behind for a little while, and help us try to understand the message. This should be a lot of fun for all involved, and I hope it will show us just how far we have to go before we will be able to understand any real messages we receive. There have been projects like this before. However, they have always been (in my opinion) fairly simple tests, being very anthropomorphic in nature. What I hope I have achieved (sic) here is something different. books on cryptography... anything. Just remember to share what you are doing and what you are thinking with all of us.

Through a lot of time and effort a message has been developed that is fairly simple in content, but very unusual in the way it is put together. It should be very difficult to understand the way the message is written, even if you understand its contents. In fact, there are ways it could be made even more ...alien... but then I don't think anyone would get it. As it is, I predict it will take a few weeks anyway.

Then there's the other thing that differentiates this project from earlier ones: you. Anyone can participate, and I hope anyone does. You can try anything you like to decode the the message... write computer programs, show the message to your friends, use books on cryptography... anything. Just remember to share what you are doing and what you are thinking with all of us.

Use the Discussion Page! This should be an interactive group project involving people from around the planet. With the talent out there, it should be possible to solve the first message.

Yes, I did say first message. There will soon follow others. Over time, we will hopefully learn a good deal about the denizens of the Tau Ceti system. Of course, that all depends on you."

The original message consisted of 571 "characters", a long pause of 17.71 seconds, then a repeat of the sequence.

The characters are here arranged by pitch. There were 19 unique tones in the original message, here labeled A through S. A is the lowest tone, and S is the highest. Each tone lasts about 0.492 seconds. The entire sequence, including pause, took 298.61 seconds, or about 4 minutes and 59 seconds. The message is being broadcast on a wavelength of 21 cm, the so-called "magic frequency".

Original Message (30-Jan-95):

GBG GBBG GBBBG GBBBBG GBBBBBG GBBBBBBG GBHBBHBG
GBBHBBBHBG GBHBBBHBBG GBHBHG GHBHBG GBBHBBBBHBBG
GBBIBIBG GBIBIBBG GBBJKBKJBG GBJKBKJBBG GBBBBJKBBBKJBG
GBBBBIBBBIBG GBLBLBG GBLBBBBBBBLBBBG GBLBBLBBG
GBBBBBBMBBMBBBG GBBMBBBMBBBBBBG GBBBMBBMBBG
GBBMBBMBBBBG GBBBBBBNOBBONBBBG GOBBOLOBBBBOLOBBOG
GBPB PBG GBBPBBPBBG GBBBPBBBPBBBG GPQAQPG GBPQBQPBG
GBBPQCQPBBG GBBBPQDQPBBBG GBBBPPQEQPBBBBBG
GBBBBBBPQFQPBBBBBG GBBBBBBPQBABQPBBBBBBBG
GBBBBBBBBPQBBBQPBBBBBBBG GBBBBBBBPQBCBQPBBBBBBBBG
GBBBBBBBBPPQDBQPBBBBBBBGG
GBBBBBBBBPPQACQPBBBBBBBGG GQBQHQQDQHQCQG
GRQBQHQCQHQBQRG GSQBQHQQDQHQBQSG GRQCQIQBQIQBQRG
GSQCQIQCQIQBQSG

In the second message, there are 18 new characters, for a total of 37 characters used so far. The new characters are represented by the letters "T" through "Z" and "a" through "k". T is higher in pitch than S, and so on. This message is 874 characters long. Again, each tone takes 0.492 seconds, and the pause is 17.71 seconds between repetitions. The message length is 447.67 seconds, or 7 minutes and 28 seconds.

Second Message (2-Feb-95):

GQCQTQBQTQDQG GQDQTKQBQKTQCQG GQDQTQBQTQEQG
GQEQTQBQKTQDQG GQEUQBQUQDQG GQDQUKBQKUQEQG
GQDQUQBQUQCQG GQCQUKQBQKUQDQG GVQBQHXHQBQVG
GWXPQCQPXWG GVXHQDQHQBQVG GWXPQCQPXWG GVQBQHBQBQHXVG
GWXPQAQPXWG GXPYPZPaPbPcPbPaPZPYPXG
GQBABQNOQBABQONQBQG GOQBABQOPdBdPOQBABQOG
GQCQLdCdLOQBABQOG GOQDQOPdCdPOQDQOG
GOQBAAABQOPdBABdPOQBAAABQOG GQBQHBdBABdQBHOQBAAABQOG
GOQBABQOHdBBBdHOQBAAABQOG GQCQeQCQeQBQG
GQBQeOQCQOeQCQG GQBABQeQCQeQDQG GQDQeOQCQOeQBABQG
GQCQfOQCQOfQBQG GQBQfQCQfQCQG GQBABQfOQCQOfQDQG
GQDQfQCQfQBABQG GRiRiRG GRiSiSG GSiSiRG GSiSiSG GRjRjRG
GRjRjSG GSjRjRG GSjSjSG GKRKPSPKRKG GKSKPRPKSKG
GQAQhgBDADBggjgEDADEghQAQG GdDdhgBAAABggjgFAAAFGhdDdG
GdBCABBFBBACBdhgDADggjgFDADFghdBCABBFBBACBdG
GQBQhgAgjgBAAAAABghQBQG GRgAgPgBAAAAABgPgAgRG
GSgDADgPgFDADFgPgDADgSG GKQBQKhgDAAADghKQBQKG
GKdBCABBFBBACBdKhgCDADCggjgDDADDghKdBCABBFBBACBdKG
GKdDdKhgCAAACggjgEAAAEghKdDdKG GQBQkgBDADBgkQBQG
GKQBQKkgEDADEgkKQBQKG GQAQkgAgjgDAAADgkQAQG

The third message is the longest so far with 1514 tones for a message length of 12 minutes, 42.5 seconds (762.5 seconds). Again, each tone is the standard length, as is the pause. We should come up with names for these time units. There are 25 new characters, for a total of 62 used so far.

Note: No small L (l), thus there are only 24 new tones in this message. W.H.B. .

Third Message (7-Feb-95):

GIPQDdBADDAFAFADDABdDQPIG GIPgDAAADgPIG GILgBDADBgLOQCQOG
GQBdDdBQLgEDADEgLIG GOQAQOPmPOQAQOGG GXhgDADghXG
GQBEBQeXepG GpPQBFdBEBDBEBdFBQPpGGG GXhgBAAABghXG
GQFQeXepG GpPQBEBQPpGGG GpPQAQPpG
GoBAAAAAAAAAAAAAAAAAAAAoGGG GpPQBQPpG
GoABBBBBBAAAAAAAAAAAAoGGG GpPQCQPpG
GoAAAAAABBBBBBBBBBBBBBoGGGG
GpPQCQPpGiGqPgAgPqGiGrPgDAAADgPrGG
GoAAAAAABBBBBBBBAAAAAoGG
GnAABBBAAABAAABABAAAAABBAABBAABBAABBAABBAABBA
AnPoAAAAAAAAAAAAAAAAAAAAABBBBBBBBBBBBBBBBBBoG
GQAQsQBQsQAQG GQCQsQBBSQsQCQG GQBQtQAQtQBQG
GQBBBQtQCQtQBBBQG GQBQPQBQPQBQG GQBQKPKQCQKPKQBQG
G6PKPKP6G GQAQuQBQuQAQG GQAQuQAQuQAQG GuPsjPPuG
GQBBBQvQCQvQBBBQG GQBBBQvQBBBQvQBBBQG GvPtjPPvG
GQCQ5A5QBQ5A5QCQG GQCQ5B5QCQ5B5QCQG GQCQ5C5QE5C5QCQG
GQCQ5D5QBCBQ5D5QCQG
GoBBBAAABAAAAABAAAAABAAAAABBBAAAAABBAAAAAAA
ABBBAAAAABAAAAABAAAAABAAAAABAAAAABAAAAABAAAA
AAAAABBBAAAAABAAAAABAAAAABAAAAABAAAAABAAAAABAAAA
ABBBAAAAABAAAAABAAAAABAAAAABAAAAABAAAAABAAAA
AAAAABBBAAAAABAAAAABAAAAABAAAAABBBBAAAAABAAAA
AAAAABBBAAAAABAAAAABAAAAABAAAAABBBBBA
AAAAABBBAAAAABAAAAABAAAAABBBAAAAABAAAA

AAAAAAAAAAAAAABBBBBAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 ABBBBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABBoG
 GxzxPoBBBBBBBBBBBBBBBBBoPxzxG GwywPoBoPwywG
 GzyzPoBBBAAABoPzyzG GzyzPoBBBBBBBBBoPzyzG G1y1PoBoP1y1G
 G1y1PoBBBAAABoP1y1G G1y1PoBBBBBBBBBoP1y1G GW2PB1y1BP2WG
 GW797PC1y1CP797WG GW898PD1y1DP898WG
 GW323PE1y1EP323WG GW434PF1y1FP434WG
 GW4y4PBAB1y1BABP4y4WG
 G0PoBABBABBABABABABABAABABBABAABAABBAABBAABABABAB
 AAABAAABBBAAABAAABBBABAABABBAAAABAAABAAAAA
 AABBBABAAAAAoooooP0G

The fourth message is shorter again, with 515 tones for a message length of 4 minutes and 31 seconds (271.06 seconds). Again, each tone is the standard length, as is the pause. There are six new characters, for a total of 68 used so far. In order of pitch (lowest to highest), the new characters are: % ! # @ \$ *

Fourth Message (17-Feb-95):

G%P!%!QBDBQ!%!P%G G%P!%!QECEQ!%!P%G G%P!%!QBBCBBQ!%!P%G
 G%P!%!QBEDEBQ!%!P%G GV!Q!VG GW!Q!PQBQ!Q!WG
 QQB#B#BQPQBABQPQB#B#BQG QQB#C#BQPQBAAABQPQB#C#BQG
 QQB#D#BQPQBAAAAABQPQB#D#BQG
 QQB#E#BQPQBAAAAAABQPQB#E#BQG
 QQB#F#BQPQBAAAAAABQPQB#F#BQG
 GQC#C#CQPQCAAACQPQC#C#CQG GQXQLQX#Y#XQLQBAB5Y5BABQG
 GV@oBo@VG GW@oBo@PQBQP@oBo@WG GV@oBBAABAAo@VG
 GW@oBBAABAAo@PQDQP@oBBAABAAo@WG
 GV@oBBAABAAABAAAAABAAAAA@VG
 GW@oBBAABAAABAAAAABAAAAA@PQFQP@oBBAABAAABAAAAABAAAAA@
 @WG GV@0@VG GW@0@P!@!QBEBQ!@!P@0@WG G!@!e!\$!e!%!G
 G*P!\$!QBFDECEEAABDBDBAAEECEDFBQ!\$!P*G

The fifth message is shorter, with 413 tones. There are three new characters, in pitch order (low to high): : ^ ~

Fifth Message (24-Feb-95):

GGXPQBQ:QCQ:QDQ:QCQ:QBQPXG GRQBQ^X^QBQRG GSQFQ^X^QFQSG
GRQBQ:QDQ:QBQ^X^QBQ:QDQ:QBQRG
GSQBQ:QCQ:QDQ:QEQ:QDQ:QCQ:QBQ^X^QBQ:QCQ:QDQ:QEQ:QDQ:QCQ:QBQSG
GRX^QBQ:QCQ:QDQ:QEQ:QDQ:QCQ:QBQ^XRG
GRQBQ:QCQ:QBQ^X^QBQ:QCQ:QBQRG GRQCQ:QDQ:QCQ^X^QCQ:QDQ:QCQRG
GRQBQ:QCQ:QDQ:QCQ:QBQ^X^QBQ:QCQ:QDQ:QCQ:QBQRG GSQAQ^X^QAQSGG
G0^w^OG G1y1^KwK^1y1G Gxzx^KwK^xzxG Gw^m^wG GKwK^m^KwKG
Gwyw^1y1^wywG Gzyz^1y1^zyzG GR1t~t1RG GS1v~v1SG
G*P11\$11P*G GQAQP~Q~PQAQG

The sixth message is slightly shorter, with 407 tones, for a message length of approximately 3 minutes, 38 seconds (including pause). There are five new characters (from low pitch to high pitch): ; ? [] {

Sixth Message (1-Mar-95):

G1PK~KP1G G~PK1KP~G G;m;P!;!QBDBBQ!;!P;m;G
G;KmK;P!;!QAQ!;!P;KmK;G G;xzx;P!;!QBEDD#D#DDEBQ!;!P;xzx;G
G;2;P!;!QDCCAAACCDQ!;!P;2;G GxPK4KPxGG4PKxKP4G
Gx^xzx^xGG4^m^4G G7P1\$1P7G G8P~\$~P8G G7PK8KP7G
G8PK7KP8GGG?B?PoBABBAABAAAAAAAAAAAAAoP?B?G GV[?B?[VG
GW[?B?[P![!BCDABdEEEECEAECEEEdBADCB![!P[?B?[WG
G]PoBABBAABAAAAAAAAAAAAAoP]GG{PoAAAAAABAAAAAAAAAAAAAo
P{G G[]P![!BCDAAdEEEECEAECEEEEdAADCB![!P[]G G[[]P![!B![!P[[]G
G{H?B?H]GG Gm^3^mG

The seventh message is even shorter, with 351 tones, for a message length (including pause) of about 3 minutes, 10 seconds. There are three new tones, in order: - + } (for a total of 79 characters used so far).

Seventh Message (9-Mar-95):

G!@!QDDEBAFEAFEFABEDDQ!@!^2^!@!QDDEBAFEAFEFABEDDQ!@!G
G-H-PQBQ:QCQ:QDQ:QCQ:QBQP-H-G G-I-PQDQ:QCQ:QBQ:QCQ:QDQP-I-G
G-P-PGXPQBQPXGP-P-G G!@!L!@@@!L!@!G G!@!5C5!@@@!5C5!@!G
G!@!5D5!@@@!5D5!@!G G!@!e!+!e!%%!G
G!+!QBAdBAEABdABQ!+!^2^!+!QBAdBAEABdABQ!+!G
G!}!P!{!QECdBCBDFE#BAAAB#EFDBCdCEQ!{!P!}!G
G!}!QDdEFADE#FBF#EDAFEdDQ!}!^2^!}!QDdEFADE#FBF#EDAFEdDQ!}!G

The eighth message is long again, with three new characters: \ . /
(in order) A total of 82 characters have been used so far.

Correct tone symbol order is: . /\ W.H.B..

Eighth Message (14-Mar-95):

G9^0^9G
G!X!QYQ!X!P!X!Y!X!P!X!QYQ!X!G
G 2 P o B A A A A A B B B B B B B B B B o P 2 G
G;oBAAAAAAAAAAAAAAAAAAo;P!;!DBBCECBBD!;!P;oBAAAAAAAAAAAAAG
G;oAAAAAABBBBBBBBBBBBBBo;P!;!DDCBEBCCDD!;!P;oAAAAAABBBBBBBBBB
BBBBBo;G Gw^2^wG Gw^797^wG G0^2^0G G0K^K797K^K0G
GQBQ{QBQ^?B^QBQ{QBQG GQCQ{QCQ^?C^QCQ{QCQG
GQDQ{QDQ^?D^QDQ{QDQG
G;. ? E C E ? . ; P ! ; ! D E F F F C E F F F E D ; ! P ; . ? E C E ? . ; G
G; / ? E C E ? / ; P ! ; ! D E F F F E F F F E D ! ; ! P ; / ? E C E ? / ; G
G; / ? E C E ? / ; P ! ; ! B A C C E B B B E C C A B ! ; ! P ; / ? E C E ? / ; G
G;\?ECE?\;P!;!BACCBBDBECCAB!;!P;\?ECE?\;G G/^z^/G G\^z^/G
G\6/6\G GzPK.KPzG GR\^zyz^/RG GR/^zyz^/RG GS.^zyz^.SG
GR\^wyw^/RG GR/^wyw^/RG GR.^wyw^.RG G2-2-0-2-2G G-m-
PGQAQHXHXGP-m-G G-m-^3^m-G

The ninth message is the shortest yet, and uses no new characters.

Ninth Message (1-Apr-95):

G9PoABBBBBBABABABABABBBBBBBBBBBBBBBBBBoP9G
GQCQ9QCQ^0^QCQ9QCQGG GA%AG G3-m-2im-m-3G GA^2^AG G3-\$-
3G G3H?B??BCB??B?i3H-\$-G G3-*-2i?B??BCB??B?-*-3G GxGG

=====

THE MESSAGES ARE REAL

The messages presented above were posted on the internet as a game from January 1995 to August 2002, by a group calling itself the "Contact Project."

It has been determined that these messages are not made up, but in fact are really messages that were either received by radio telescope, or by other equipment capable of receiving a transmission on 1420 mega Hz. from an Extraterrestrial source.

The reason why those of Contact Project tried to deceive and con their "game players" into deciphering these messages for them, will be presented in detail in the final draft of this writing.

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MAKING THE EXTRATERRESTRIAL MESSAGES PERFECTLY CLEAR

There are several things the Contact Project published which were grossly inaccurate. These inaccuracies were obviously due to inadequate receiving and recording equipment, plus a lack of very important high quality time measuring instrumentation. In some cases, the reported inaccuracies, were due mainly to human error and deliberate lies.

After several requests from one of their "game players" for the tone frequencies, the Contact Project posted the frequencies for tones A-B-C-D-E and F. But, assigned the actual frequency for tone "F" to tone "A". I can only think that this false assignment was for

some hair brained reason, a deliberate act.

The Contact Project's statements found in the headings for messages 1 and 2 really provided the basic indication that the messages were real and not a made up "game".

Knowledge of the Ra System of Mathematics soon verified the undeniable facts that the messages are real and that we of Earth have been contacted by an Extraterrestrial civilization.

After reading the comments on the C.P. web site discussion page, I can easily say that neither they, or any of their "game players" detected the slightest clue, as to what type of knowledge was required to translate the messages. Borrowing a line from the movie *Cool Hand Luke*. "What we have here is definitely a failure to communicate."

Corrected C.P. data pertaining the messages first had to be converted into Ra Mathematical terms before any attempt at translating the messages was possible.

The following is a list of subjects that had to be addressed and clarified or in some way corrected:

- 1) Total length of Message 1 and total length of Message 2.
- 2) Total number of individual tones found in messages 1 and 2 .
- 3) Basic time length of a single tone and basic time length of a pause that occurs between a message repeat.

Note: we still don't know how many times a message was repeated.
A guess would be 3 - 6 or 9 times.

- 4) The tone/symbol data and frequency data had to be correctly matched.

How the creators of Contact Project expected their 'game players' to do this without any knowledge of the Ra System of Mathematics is unfathomable. This fact tells us that those of Project Contact were also ignorant of the fact that the Ra System existed and that it was used by the Extraterrestrials to compose their messages.

C.P. Heading for Message 1 and Ra Corrections

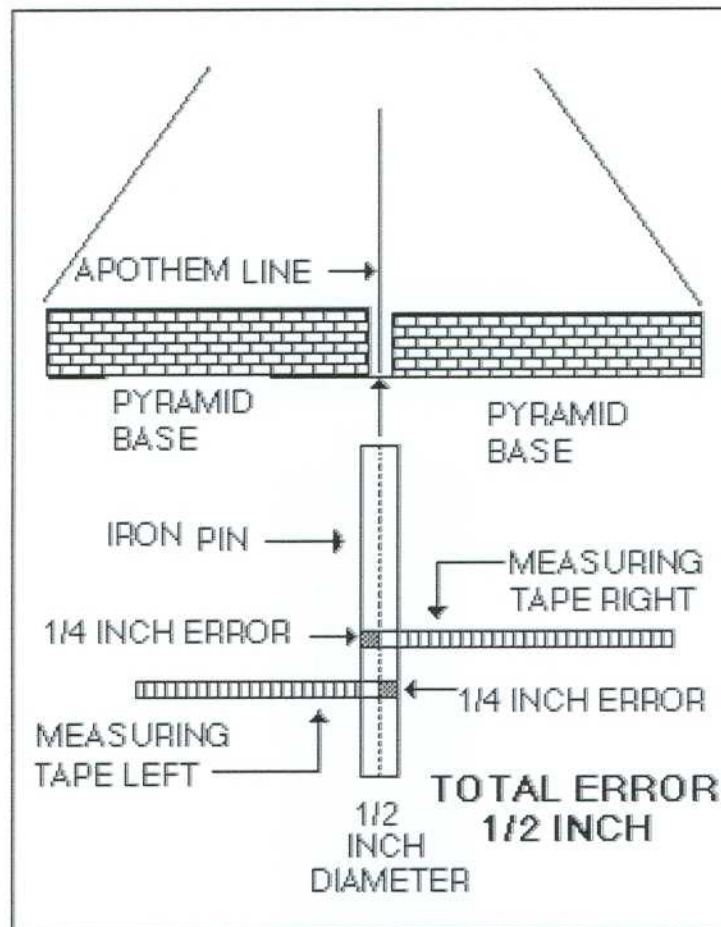
C.P. : "The original message consisted of 571 "characters", a long pause of 17.71 seconds, then a repeat of the sequence."

Ra team: The question here is; did the Extraterrestrials use the length of a standard second as we use on Earth, or the length of the natural second of time (n.s.t.) ? The n.s.t. has been determined to have the value of 1.000692286 standard seconds. So far, the lack of knowledge pertaining to which time unit was used has not hindered the translation process.

I presently lean toward the thought that the E.T.s used the n.s.t. .

The term seconds will be used in any case. No matter what time unit was actually used.

The Cole Error, Duration of the Natural Second of Time and the Speed of Light.



In 1925 the Egyptian government hired English surveyor J.H. Cole to determine the Great Pyramid's true orientation and base length. Cole reported that the north base was 230.2530 meters in length. L.C. Stencchini in Peter Tompkins book "The Secret of the Great Pyramid" was the first to suggest that Cole made an error when measuring the base. The Ra values for the base indicate that Stencchini is correct.

Cole measured the base from an iron pin that was centered in line with the pyramid's apothegm. The apothegm line runs from the top of the structure to its base (down the center of either of the pyramid's four faces).

The diameter of the iron pin was 1/2 inch. Instead of measuring from the center of the pin Cole obviously measured the total thickness of the pin twice (once in each direction) thus obtaining a 1/4 inch error each time for a collective error of about 1/2 British inch.

The size of an Omega Minor ram and a standard meter are close. It has been determined that the speed of light is actually 300,000 (Omega right- L1- up) kilo rams per natural second of time. It has also been determined that the speed of light in the mgs system is about 299,792.458 kilometers per standard second of time. The conversion ratio is therefore 1.000692286, which is also the length (duration) of a natural second measured in standard seconds.

The Omega minor length for the base of the Great Pyramid is 230.4 rams .

(1-1) $230.4 \text{ Omi rams} / 1.000692286 \text{ standard seconds (duration of natural second)} = 230.240607651 \text{ meters}$. True length of the pyramid's base.

(1-2) $230.2530 \text{ meters (Cole's measurement)} - 230.240607651 \text{ meters (Ra correction)} = .012392349 \text{ meter difference}$. .012392349 of a meter is equal to .040656868 parts of a British foot or .48782416 parts of a British inch.

When .48782416 British inches is subtracted from .5 British inches (diameter of the pin). The result is only .012117584 parts of a British inch (just over 100 th. of an inch). This minuscule difference (if considered at all) , could be attributed to wear on the pin.

These mathematical determinations essentially squares the pyramid's base to the natural second of time and thus the speed of light. I suggest that the base of the Great Pyramid be remeasured with present day methods, in order to actually determine if Cole did, or did not make a 1/2 inch error in his measurement.

All calculations shown in the Rods of Amon Ra were based on Cole's measurements being correct. Therefore the data found in that series will be updated, or not, accordingly, when the question of the error is finally answered.

This writing will continue based on the belief that the present Ra Data is correct and that Cole did in fact make the error described above.

MESSAGE RESUMES

C.P. DISCUSSION PAGE

C.P. "Each tone is 0.492 seconds long, plus or minus 5 percent, pretty much randomly."

Ra team: If these messages were made up, why not say that each tone lasted *exactly* .492 seconds? But, then again as you will soon learn this is not a game.

C.P. **failed** to see that there are actually two time values for a single tone and two values for the basic pause. They are stated next in Ra values:

Tone time value 1: .49382716 seconds

Basic Pause Time value 1: 17.777--- seconds

Tone time value 2: .492075 seconds

Basic Pause Time value 2: 17.7147 seconds

In each case, the basic pauses are equal to 36 x the length of its respective tone value.

I believe the Extraterrestrials would have preferred to use .0492075 seconds and .049382716 seconds for the tone time units, but realized these units were probably too brief for us to measure.

The two tone time units and two pause time units are presently thought to be actually of the same duration but are sub divided in to different increments. The possibility of two seperate n.s.t. units is also under consideration. Could explain C.P. +/- 5% time unit variation.

THE NUMBER .49382716

The number **.49382716** is prominently expressed several times in the dimensions of the Great Pyramid of Giza, Egypt and at Cydonia on the Planet Mars.

$1/81 = .01234567m90 \times 40 = .49382716$. More on this later.

The ratio between the time units is: 1.003560759. This ratio is the difference between several Ra formats.

The subject of the numerous Ra formats and their relationship to each other will be explained later.

See third book (being prepared) titled the "Ra System."

Be advised; this subject mention above will require a lengthy and dedicated study on the part of the reader. Even so, a moderate understanding of the Ra System will suffice in order to understand how the Extraterrestrials used the Ra System to encrypt their 9 messages.

Once acquainted with the basics of the Ra System many are instinctively inspired to learn as much as they possibly can about it. For many, their study of Ra System becomes a spiritual quest.

The Ra System is definitely the numerical language which nature uses to describe itself, from the smallest atomic particle up to the largest galaxy.

The Ra System clearly tells us that the universe does not operate in a state of unbridled chaos but, operates by a divine harmonious plan, that is guided dynamically by forces that are directly related to, and dictated by the living numbers of the Ra System.

I personally believe that where there is a Divine Plan, there is a Divine Planner, or Creator of All That Is. I can not believe the Extraterrestrials could live with their vast knowledge of Ra System and not see its divine relationship to the purpose and functions of the uni-verse (one song), as well as the reason for the existence of all forms of life.

Periodically I may do some bashing of those self important people at the Contact Project who have contempt for the intelligence of the average person, and believe they can dupe the unknowing, for their own personal gain.

By right of discovery, be I right or wrong, I will point out what my feelings and limited intellect tell me about the Extraterrestrials and their

possible reasons for contacting us are. Beyond that, I will leave it to the reader to form their own opinion as to the true spiritual nature (if any) of those same Extraterrestrials.

The Extraterrestrial messages have proven beyond doubt that intelligent extraterrestrial life exists elsewhere in the universe and that they played a major part in the design and construction of the three largest pyramids of Egypt and other ancient buildings located throughout the world and on the planet Mars. The fact that they transmitted their messages in the mid-nineteen nineties tells that they have had an interest in this world for many thousands of years. Well think about it: UFOs, of course they're real.

MESSAGE ONE

C.P.: "The characters are here arranged by pitch. There were 19 unique tones in the original message, here labeled A through S. A is the lowest tone, and S is the highest. Each tone lasts about 0.492 seconds. The entire sequence, including pause, took 298.61 seconds, or about 4 minutes and 59 seconds. The message is being broadcast on a wavelength of 21 cm, the so-called "magic frequency."

Ra Team: As per the statements made above by C.P. we now have the 19 individual tones found in message one symbolized A to S.

The tone count of 19 for message one was meaningless, until it was added to the 18 new tones found attributed to message two. The combined total amounts to 37 tones. See following C.P. statement:

MESSAGE TWO

C.P.: "In the second message, there are 18 new characters, for a total of 37 characters used so far. The new characters are represented by the letters "T" through "Z" and "a" through "k". T is higher in pitch than S, and so on.

CONTACT IS MADE

Ra Team: The 37 tones of messages one and two were immediately recognized to be the 37 numbers in the "Ra table of nines (t.o.n.)."

That is: A=27 ... B=54 ... C=81... D=108 ... E=135 ... F=162 ...ect.. (added horizontally these numbers each total 9 and can also

be evenly divided by 9).

Later it was realized that each tone had 3 numerical values:

A=27-9-3 ... B=54-18-6 ... C= 81-27-9 ... D=108 -36-12 ...

RA TABLE OF NINES							
1	.027	10	.270	19	.513	28	.756
2	.054	11	.297	20	.540	29	.783
3	.081	12	.324	21	.567	30	.810
4	.108	13	.351	22	.594	31	.837
5	.135	14	.378	23	.621	32	.864
6	.162	15	.405	24	.648	33	.891
7	.189	16	.432	25	.675	34	.918
8	.216	17	.459	26	.702	35	.945
9	.243	18	.486	27	.729	36	.972
				37	.999		

The following chart gives the 3 numerical values for the first 19 tones that compose Message One.----->

19 TONES OF MESSAGE 1				
TONE	P.C. SYMBOL	RA LEVEL 1	RA LEVEL 2	RA LEVEL 3
1	A	3	9	27
2	B	6	18	54
3	C	9	27	81
4	D	12	36	108
5	E	15	45	135
6	F	18	54	162
7	G	21	63	189
8	H	24	72	216
9	I	27	81	243
10	J	30	90	270
11	K	33	99	297
12	L	36	108	324
13	M	39	117	351
14	N	42	126	378
15	O	45	135	405
16	P	48	144	432
17	Q	51	153	459
18	R	54	162	486
19	S	57	171	513

TABLE 1

C.P. DISCUSSION PAGE

From: David Levine (lunar@sunsite.unc.edu)

Date: 4-Apr-95 (21:1:5 GMT)

Subj: Tone Frequencies

Tone A = 73.179 Hz
Tone B = 85.375 Hz
Tone C = 97.572 Hz
Tone D = 109.768 Hz
Tone E = 121.965 Hz
Tone F = 134.161 Hz

And so on. Each tone is about 12.1965 Hz higher in freq. than the prev. tone.

Ra team: Note C.P. gives us the first 2 clues to their deception in revealing the frequencies, for what they say are tones "D" and "E".

C.P. tone "D" or 109.768 is actually **109.739369 Ra hz.** (track 1) This is the Ra value for the "Rydberg Constant for infinite mass."

109.739369 Ra hz is actually **9** x the frequency increment of 12.193263222 (frequency track 1).

Tone "E" or 121.965 is actually **121.5** (track 2) This is the wave length of the most intense spectral line of hydrogen (Lyman m2- ultra violet).

Imagine the odds against anyone (even a genius) coming up with the Rydberg Constant and the wavelength of the Lyman m2 spectral line of hydrogen as tone frequencies, in what they say are 9 "fictitious ET messages ."

Messages will be resumed after the following information is read.

THE BALMER and RYDBERG CONSTANTS for HYDROGEN

The following information is quoted from from Isaac Asimov's book "Understanding Physics: The Electron, Proton and Neutron," a Mentor Book, New York, New York.

" In 1885 a German mathematician, Johann Jakob Balmer , tinkered with a series of numbers representing the wave lengths of the hydrogen spectrum and found a formula that mathematically expressed the wavelength of the lines. This was :

EQUATION 1

WAVE LENGTH (λ)

$$\lambda = \frac{364.56 \times M^2}{4 - M^2}$$

Where as m can have successive whole number values starting with 3.

If 3 = m then the wave length can be calculated as equal to 656.21 milli microns, which is the wave length of the first visible line. If m is equal to 4, then 5 and then 6, the wave lengths of the second, third, and fourth lines of the visible hydrogen spectrum turn up in the value calculated for wavelength. This series is called the Balmer Series.

Eventually as m becomes very high $m^2 - 4$ becomes very little different from m^2 so the two terms would cancel each other out in the equation (2 - 8). In that case the wavelength would come equal to 364. 56 milli microns (which is the Balmer Constant) and this would be the limit toward which all the lines in the series would tend to move."

Note: The Ra value for the Balmer Constant is : 364.5 Ra Omega Minor milli microns. It is the product of 27 (T.O.N. 1) x 13.5 (T.O.N. 5). In this case the first visible spectral line of hydrogen equals 6561 Omega Minor angstroms (81 x 81) The second visible line would be

equal to 4860. Omega Minor angstroms. 486 is actually T.O.N. 18. The number $364.5 \times 2 = 729$ (T.O.N. 27) and 729 is the reciprocal of the Fine Structure Constant.

The number 364.5 has been misidentified in the Great Pyramid's base as representing the number of days in a year : 365.242 days.

THE BALMER CIRCLE

When the Ra value for the Balmer Constant for Hydrogen (364.5) is viewed as the diameter of a circle, 360 Balmer Circles can be mathematically produced by using any of the 360 known Ra values for pi. See chart below: Since chart was prepared E.T. messages revealed that there are at least 360 Ra values for pi.

FORMAT	PI VALUE	BALMER CONSTANT	CIRCUMFERENCE
OM MAJOR	3.125	X 364.5	1139.0625
AL MAJOR	3.128709695	X 364.5	1140.41468383
HY MAJOR	3.136127372	X 364.5	1143.11842707
RED	3.141592592	X 364.5	1145.1105
GREEN	3.142696807	X 364.5	1145.512986
BLUE	3.143801409	X 364.5	1145.91561345
HY MINOR	3.14928	X 364.5	1147.91256
AL MINOR	3.156746446	X 364.5	1150.63407952
OM MINOR	3.160493830	X 364.5	1152.

Chart 2-M

When the circumference of any Balmer Circle is sectioned into 360 degrees we obtain the following type of results:

Example: 1139.0625 (Oma circumference) $\div 360$ degrees = 3.1640625 (1 degree) and $3.1640625 \times 4 = 12.65625$ (diameter of the Oma left 1- up rod) and $1 / 3.1640625 = .316049383$ (Oma right Pi 1-up $\times 10^{-1}$).

ROD CODES WILL BE EXPLAINED IN PART FIVE.

Asimov continues: " Some years after Balmer's work, the Swedish physicist, Johannes Robert Rydberg (1854 - 1919), put the formula into a more convenient form. He began by taking the reciprocal of both sides of the equation (Equation 1), and this gave him:

EQUATION 2

$$\frac{1}{\lambda} = \frac{m^2 - 4}{364.56 \text{ m}^2}$$

Multiplying both numerator and denominator of the right - hand side of the equation 2 by 4 results in:

EQUATION 3

$$\frac{1}{\lambda} = \frac{4 (m^2 - 4)}{364.56 (m^2)} = \frac{4}{364.56} \frac{(m^2 - 4)}{m^2} = .0109 \frac{(m^2 - 4)}{m^2}$$

Lets take each part of the extreme right-hand portion of equation 3 separately. The value of .0109 is obtained through the division of 4 by the Balmer Constant which is 364.56 milli microns. The units are the quotient and therefore "per milli micron." Rydberg chose to use units "per centimeter."

"There are 10,000,000 milli microns in a centimeter so there are ten million times as many any things per centimeter as per milli micron. If we multiply .0109 by ten million we get 109,737,31 per centimeter. This is called the Rydberg Constant and is symbolized R. In terms of centimeters then, we can express equation 3 as follows:

EQUATION 4

$$\frac{1}{\lambda} = 109,737.31 \left(\frac{m^2 - 4}{4 m^2} \right) = R \left(\frac{m^2 - 4}{4 m^2} \right)$$

The value of the wavelength determined by equation 4 is of course expressed in centimeters so that the wavelength of the principle line comes out to .000065621 centimeters (.00006561 Ra value).

Now consider the portion of the equation which is written as:

$(m^2 - 4) / 4 m^2$. This can be written as; $m^2 / 4 m^2 - 4 / 4 m$ or reducing it to the lowest terms $1/4 - 1/m$. To make this look more symmetrical we can express 4 as a square and also express it as $1/2 - 1m^2$. now equation (2-11) becomes:

EQUATION 5

$$\frac{1}{\lambda} = R \left(\frac{1}{2^2} - \frac{1}{m^2} \right)$$

Where m can be equal to any integer from 3 up.

It is possible to imagine similar series such as:

EQUATION 6

LYMAN SERIES : ULTRA VIOLET

$$\frac{1}{\lambda} = R \left(\frac{1}{1^2} - \frac{1}{m^2} \right)$$

EQUATION 7

PACHEN SERIES: INFRA - RED

$$\frac{1}{\lambda} = R \left(\frac{1}{3^2} - \frac{1}{m^2} \right)$$

EQUATION 8

BRACKETT SERIES: DEEP INFRA - RED

$$\frac{1}{\lambda} = R \left(\frac{1}{4^2} - \frac{1}{m^2} \right)$$

And so on. In equation 6, the values for m must be integers greater than 1; in equation 7."

The following charts give the spectral lines of hydrogen that have been calculated with the Ra value for the Rydberg Constant. From the Infra- red to the ultra - violet.

BRACKETT SERIES	
DEEP INFRA RED	
$1/\lambda = R (1/4^2 - 1/M^2)$	
RESULTS STATED IN GREEN ANGSTROMS	
M VALUES	WAVE LENGTH (Å)
M = 5	40500.
M = 6	26244.
M = 7	21649.090
M = 8	19440.

Chart -2-N

Note: Brackett M = 6 or 26244. is found in several features of the Great Pyramid. The following Chart 2-O is self explanatory.

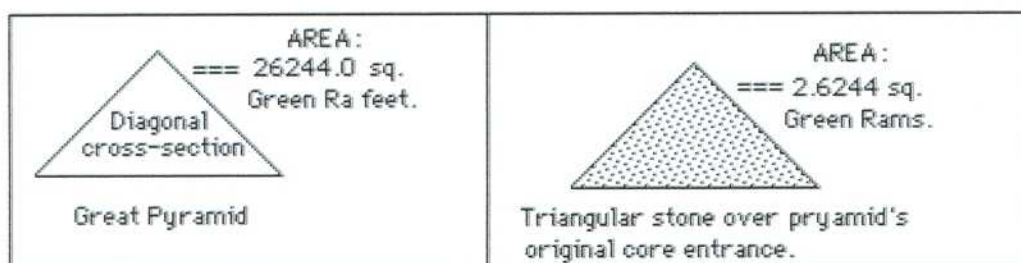


Chart 2-0

Because the wavelength of Brackett $m=6$ is expressed as Green units in the Great Pyramid. It indicates that the other spectral lines of hydrogen are also Green values.

Note: Since this data was recorded it has been realized that hydrogen has three tracks of spectral lines. Track 1 is based on the format -- alpha left 2 down and track 2 is based on omega right 3 up, track 3 is as well.. Further research will correct all previous statements----- **Note:** Brackett $m=6$ is a Track 3 spectral line.

PASCHEN SERIES	
INFRA RED	
$1/\Delta = R (1/3^2 - 1/M^2)$	
RESULTS STATED IN GREEN ANGSTROMS	
M VALUES	WAVE LENGTH (Δ)
M = 4	18745.71429
M = 5	12814.45313
M = 6	10935.
M = 7	10046.53130
M = 8	9543.27229

Chart 2-P

BALMER SERIES VISIBLE	
$1/\Delta = R (1/2^2 - 1/M^2)$	
RESULTS STATED IN GREEN ANGSTROMS	
M VALUES	WAVE LENGTH (Δ)
M = 3	6561.
M = 4	4860.
M = 5	4339.28571429
M = 6	4100.625
M = 7	3969.
M = 8	3888.
M = 9	3834.350649
M = 10	3796.875

Chart 2-Q

Please notice that Balmer M = 4 is 4860. Green angstroms. 486 is T.O.N. 18. Later it will be shown that there are 486 Green Ra feet in the height of the Great Pyramid. This indicates that T.O.N. numbers are also Green. In this case only, This will be clarified later.

LYMAN SERIES ULTRA VIOLET	
$1/\Delta = R (1/1^2 - 1/M^2)$	
RESULTS STATED IN GREEN ANGSTROMS	
M VALUES	WAVE LENGTH (Δ)
M = 2	1215. <u>Most intense line</u>
M = 3	1025.15625
M = 4	972.
M = 5	949.2187503
M = 6	932.7857142
M = 7	930.2343375
M = 8	925.7142854

Chart 2-R

The Ra value for the Rydberg Constant's reciprocal is .91125. Please recall that an electron weighs 9.1125×10^{-28} Omega Major grams .

The Rydberg Constant Expressed in the Great Pyramid

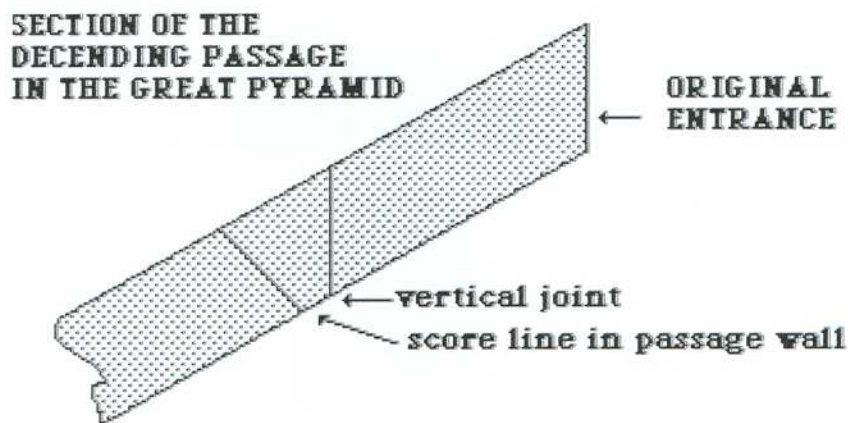


Chart 2-S

One of the long standing mysteries of the Great Pyramid is centered around the reason why its builders placed a vertical joint in the masonry at a particular point down the Descending Passage and then (somewhat immediately thereafter) inscribed a slanted line on the walls of the passage.

It is shown in chart 2 - R (Lyman Series) that Lyman m2 has a value of **1215** Omega angstroms. This is the most intense line in the element's spectrum. I have discovered that the distance from the original entrance to the vertical joint is **12.15** omega rams (A Ram is a Ra-Meter). The length of the score lines are **1.215** omega rams and the width of the score lines to be **.01215** omega rams. Here we have the most intense spectral line of hydrogen mentioned three times in exponential values of ten.

The length of the vertical joint is 1.333333 - - - omega rams.

When 1.333333 - - - length of vertical joint is divided by **1.215** length of a score line, the result is: 1.097393690, or the Rydberg Constant for hydrogen.

Well the centuries old mystery of the “vertical joint” and the “score lines” is finally solved.

At this point I must ask the multiple question: How did the Egyptians of the fourth dynasty (2700 to 2400 B.C.E.) know about the wavelength of the most intense spectral line of hydrogen, or the number that is known today as the Rydberg Constant for Hydrogen? The answer to these questions, is as they say: “A no brainer .”

MESSAGE RESUMES

The first 10 frequencies of Ra tracks 1 and 2 are shown in the following chart:

Note how C.P. frequencies are 5 tones out of phase.

FORMAT		hydro. -right-3-up - sph.	omega -right-3-up- sph.
ASSOCIATED TONE TIME UNITS		.493827160 seconds	.492075 seconds
ASSOCIATED PAUSE TIME UNITS		17.777 seconds	17.7147 seconds
TRACK RATIO 1.003560759		FREQUENCY TRACK 1	FREQUENCY TRACK 2
C.P. 73.179 Hz	A	12.193263222	12.15
C.P. 85.375 Hz	B	24.386526444	24.3
C.P. 97.572 Hz	C	36.579789666	36.45
C.P. 109.768 Hz	D	48.773052666	48.6
C.P. 121.965 Hz	E	60.966316110	60.75
C.P. 134.161 Hz	F	73.159579332	72.9
NEUTRAL	G	85.352842554	85.05
BASIC INCREMENT X 81 TONES =	H	97.546105776	97.2
	I	109.739368999	109.35
	J	121.93263222	121.5
	\	987.65432m0	984.15

MESSAGE 1-TABLE 2

The ratio between the frequency tracks is 1.003560759 , which is the same ratio that exists between the tone time units.

What do the frequencies that were reportedly fabricated by David Levine tell us? First of all they tell us that the frequencies are real. Why? Because the odds of him making up frequencies which are based on the Lyman m2 spectral line of hydrogen are astronomical. Even in the mgs system of measure the value of the basic frequency and the Rydberg Constant would stand out to a person (like myself) with even a limited knowledge of physics. Its obvious Mr. Levine's education in this area does not match that of a first year physics student , nor has he read the book "Understanding Physics" by Isaac Asimov.

Actually I believe Levine deliberately misidentified the lowest pitched frequency as 73.179 Hz.. Why I do not know. Fortunately, Levine listed 7 successive frequencies (stated in mgs units). This allowed us to determine the true basic frequencies of the ET messages.

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It has been learned that every Ra Rod set (about 360. of them) has a basic frequency, such as that represented by E.T. tone "A" in the chart above. If the value of the rod is known divide it by 9.72 (t.o.n. 36 and Lyman m4 spectral line of hydrogen) to obtain the value of the basic frequency. If the value of the basic frequency is known multiply it by 9.72 to obtain the value of the rod i.e..

Track 1 frequency "A" which is $12.193263222 \times 9.72 = 118.518518$ --- Rod of track 1 (hydro-right 3-up sphere)¹.

Track 2 frequency "A" which is $12.15 \times 9.72 = 118.098$ Rod of track 2 (omega -right 3-up-sphere). The ratio between these rods is also 1.003560759 as it is with the E.T. frequencies.

It will be shown later that section 3 of Message 1 describes a sphere (orb) that contains **118.098** cubic units.

More will be said about this duality subject when the Ra formats containing values for Rods-Spheres and Cubes are explained in **Part FIVE** of this writing.

¹The code: "hydro-right 3-up sphere," identifies the "Rod set" to which the numerical value belongs. This important information will also be clarified in **Part Five**.

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PART ONE CONCLUDES

In order to learn how you can acquire more of this information, please refer to the following web sites.

rodcdavis.com (first) or realmofra.org (under construction).