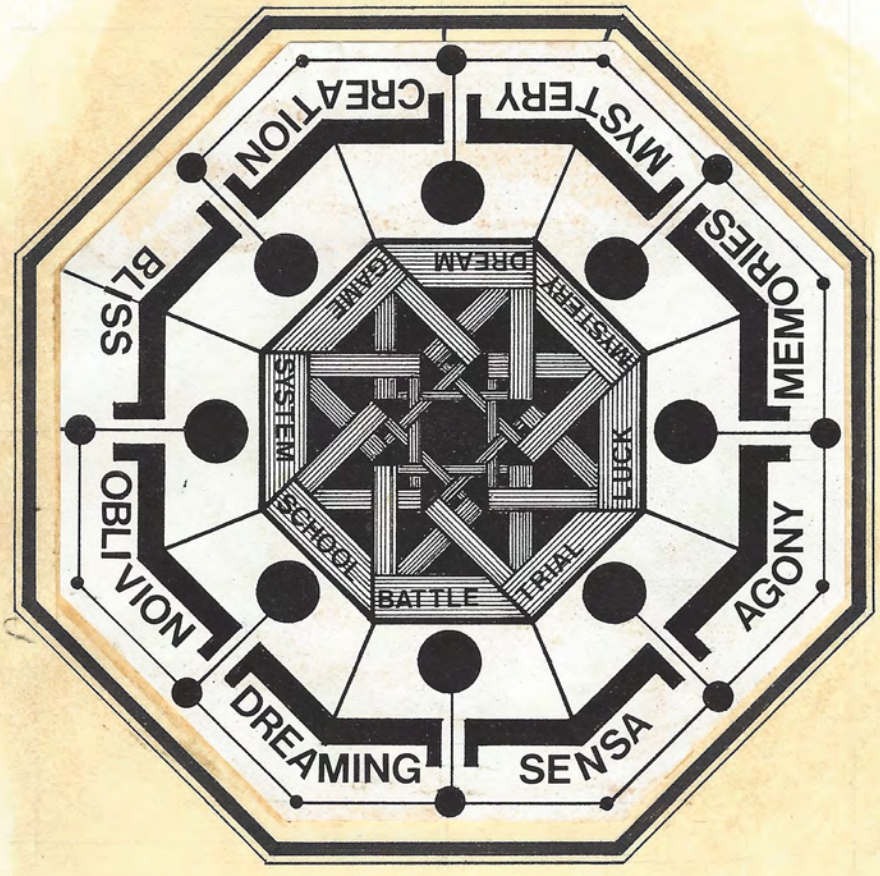

THE ANTHE:

HIERONYMUSBOX: TWO

BY

: PAUL LAFFOLEY

THE ANTHE HIERONYMUSBOX TWO

A MANUAL OF OPERATION

BY: PAUL LAFFOLEY
OF THE BOSTON VISIONARY CELL, INC.
: ARTIST-SCIENTIST:
IPSISSIMUS·10°=1°:

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Paul Laffoley

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PART ONE: THEORY

"THE ANTHE HIERONYMUS BOX TWO" IS A PSYCHOTRONIC DEVICE OTHERWISE KNOWN AS A "RADIONIC", OR "RADIESTHESIA, OR "DOWSING" DEVICE. THE PRESENT INVENTION DERIVES FROM THE WORK OF THE AMERICAN INVENTOR THOMAS GALEN HIERONYMUS WHO OBTAINED THE FIRST UNITED STATES PATENT FOR A PSYCHOTRONIC DEVICE ON SEPTEMBER 27, 1946, LATER - JANUARY 2, 1952 - HE RECEIVED A BRITISH PATENT. THE TITLE OF HIS PATENT IS: "THE DETECTION OF EMANATIONS FROM MATERIALS AND MEASUREMENT OF THE VOLUMES THEREOF." THE WORDING OF THE PATENT SPECIFICATION WAS SUCH THAT IT ATTEMPTED TO DISGUISE ITS REAL INTENT: THE PATENTING OF A MAGICAL CHARM: (A) AN AMULET - A PROTECTION AGAINST EVIL FORCE; OR (B) A TALISMAN - AN OBJECT POSSESSING SPECIFIC SUPERNATURAL CAPACITIES, THAT CAN DIRECT CONSCIOUSNESS IN A SPECIFIC DIRECTION AND AT A SPECIFIC TIME TO EITHER HARM OR HELP ANOTHER ENTITY, SUCH AS IS THE CASE OF THE NOTORIOUS "METATRON" A PRAYER BATTERY POWERED BY A DISEMBODIED HUMAN SOUL AND DEDICATED TO THE METATRON - THE NAME OF THE FIRST - AND ALSO THE LAST OF THE TEN ARCHANGELS OF THE BRIATIC WORLD. IN THE TALMUD AND TARGUM, THE METATRON IS THE LINK BETWEEN GOD AND HUMANITY.

THE CONCEPT OF THE SUPERNATURAL MEANS DEPARTING FROM WHAT IS USUAL OR NORMAL ESPECIALLY SO AS TO APPEAR TO TRANSCEND THE LAWS OF NATURE. THE DEFINITION, THEREFORE, IS HISTORICAL RATHER THAN EXISTENTIAL, AND

IS DEPENDENT ON THE WORLD-VIEW THAT PREVAILS AT ANY SPECIFIC TIME. THE HISTORY OF PSYCHOTRONICS BEGINS IN PRE-HISTORY IN THE PALEOLITHIC PERIOD WITH WHAT ANTHROPOLOGISTS HAVE CALLED "SYMPATHETIC MAGIC". THIS IS A PHILOSOPHICAL CONSTRUCT BASED ON THE ASSUMPTION THAT A PERSON OR THING CAN BE AFFECTED BY MEANS OF ITS NAME OR AN OBJECT REPRESENTING IT.

FROM THE POINT OF VIEW OF THE PHYSICS OF CLASSICAL MECHANICS [MASS PLUS ENERGY = MOVEMENT], MAGIC IS A FORM OF ENGINEERING WHOSE PRINCIPLES OF OPERATION ARE FALLACIOUS. IT IS DEPENDENT UPON THE BELIEF THAT A MIRACULOUS OCCURRENCE CAN BE WILLFULLY INTRODUCED INTO THE DAY TO DAY HABITUAL KNOWN LAWS OF NATURE.

WHILE PRAYER IS ALWAYS AN ACCEPTABLE MODALITY OF THE INTERVENTION OF THE MIRACULOUS INTO THE STRUCTURE OF CAUSAL-BOUND HISTORY, THE CONCEPT OF MAGICAL INCANTATIONS WAS NEVER GRANTED SUCH TOTAL PRIVILEGE. PRAYER IT IS SAID IS A HUMAN PLEA FOR DIVINE INTERVENTION INTO THE NORMAL OPERATIONS OF NATURE, AND ANY ANSWER TO THAT PLEA IS AT THE DISCRETION OF THE DIVINE PRESENCE. BUT AN INCANTATION [A WRITTEN OR RECITED FORMULA OF WORDS AND OR SYMBOLS WHICH IS DESIGNED BY HUMANS TO PRODUCE A PARTICULAR EFFECT] CARRIES WITH IT THE GUARANTEE OF SUCCESS [IN MUCH THE SAME WAY THAT

THE SO-CALLED REPEATABLE EXPERIMENT OF CONTEMPORARY SCIENCE GUARANTEES COMPLETE DUPLICATION OF RESULTS], FOR THE HUMAN SUPPLICANT AS LONG AS HE OR SHE FOLLOWS THE FORMULA TO THE LETTER.

IN SHORT, THEREFORE, AS LEWIS SPENCE [A SYNOPTIC CHRONICLER OF THE VAST SUBJECT OF THE OCCULT] SAID IN 1920 OF MAGIC: "IT WAS BEEN THAT RELIGION CONSISTS OF AN APPEAL TO THE GODS, WHEREAS MAGIC IS THE ATTEMPT TO FORCE THEIR COMPLIANCE". THIS ACCOUNTS FOR THE FACT THE HISTORY OF MAGIC OR THEURGY [THE ART OR TECHNIQUE OF COMPELLING OR PERSUADING A GOD OR BENEFICENT FORCE OR SUPERNATURAL POWER TO DO OR REFRAIN FROM DOING SOMETHING], ON THE ONE HAND HAS BEEN VIEWED AS BLASPHEMY DIRECTED TOWARD ANY LEGITIMATE RELIGION, AND ON THE OTHER HAND, HAS BEEN CHARACTERIZED AS A BASIC MISUNDERSTANDING OF MODERN SECULAR SCIENCE AND ITS SYSTEMS OF NATURAL INVARIANCE. BUT THESE TWO JUDGMENTS ARE UNFAIR AND FUELED BY THE FASHIONS OF HISTORY.

TAKING THE JUDGMENT OF RELIGION FIRST: EVERY RELIGION WHETHER AT BASE THEISTIC, ATHEISTIC, NON-THEISTIC OR AGNOSTIC [METHODOLOGICAL OR DOGMATIC] BEGINS WITH THE FRUITS OF A MYSTICAL EXPERIENCE SUSTAINED BY AN INDIVIDUAL. BUT NOT ALL OF THE MILLIONS OF MYSTICAL EXPERIENCES

THAT OCCUR ANNUALLY SOMEWHERE IN THE WORLD LEAD TO UNIQUE FULLY DEVELOPED MATURE RELIGIONS THAT WILL BE ABLE TO COMPETE HISTORICALLY FOR ADHERENTS OVER THE LONG RUN. WHAT USUALLY HAPPENS DEPENDING UPON THE POWER OF THE EXPERIENCE OVER THE INDIVIDUAL MYSTIC IS THAT, THE MYSTICAL EXPERIENCE IS USED TO REINFORCE THE INDIVIDUAL IN THE RELIGIOUS FAITH OF THEIR CHILDHOOD - SOCIAL - CULTURAL MILIEU. SUCH INDIVIDUALS MAY EVEN GO ON TO BECOME "BIG STARS" WITHIN THEIR FAITH LIKE SAINT TERESA OF AVILA [1515 - 1582], THE SPANISH MYSTIC AND CARMELITE NUN OF ROMAN CATHOLICISM.

DURING PERIODS OF GREAT SOCIAL UPHEAVAL MANY OF THESE SEEDS OF RELIGIONS [THE MYSTICAL EXPERIENCES] WILL OFTEN TAKE ROOT AND PRODUCE CULTS [INFANT RELIGIONS]. TWO THOUSAND YEARS AGO DURING THE DECLINE OF ROMAN EMPIRE DUE MAINLY TO A GREEDY AND DECADENT EXPANSIONIST POLICY THAT RESULTED IN ATTEMPTS AT LAND AND RESOURCE ACQUISITIONS WAY BEYOND THE CAPACITY OF THE IMPLEMENTED INFRASTRUCTURES TO DEFEND, DEVELOP OR MAINTAIN THESE AREAS, THE ROMANS, THUS, HAVING OVEREXTENDED THEMSELVES WERE NOT PREPARED TO DEAL WITH THE CULTURAL AND SPIRITUAL VOIDS LEFT BY THE CONTINUAL ATTACKS BY WHAT THEY CALLED "THE BARBARIAN HORDES" THAT GATHERED AT THE PERIPHERY OF THE EMPIRE.

WHILE A FORTIFIED DEFENCE WALL ERECTED BY HADRIN [AD 76 - 138] ACROSS

70 MILES OF NORTHERN ENGLAND IN 122 A.D., SEEMED ADEQUATE TO SLOW DOWN THE HORDES AT THE WESTERN END OF THE MEDITERRANEAN. AT THE EASTERN END, THINGS WERE NOT SO CLEAR CUT.

FROM THE TIME THAT GAIUS OCTAVIUS [GREAT-NEPHEW AND HEIR OF JULIUS CAESAR] WAS GRANTED SUPREME POWER BY THE ROMAN SENATE IN 27 BC. WITH THE TITLE "IMPERATOR CAESAR AUGUSTUS," THROUGH THE ROMAN APPOINTMENT OF HEROD "THE GREAT", KING OF JUDAEA FROM 37 TO 4 BC., TO THE BIRTH OF CHRIST ON APRIL 6, 6 B.C. AS JESUS OF NAZARETH AT BETHLEHEM [ONE OF THE WORLD'S GREATEST RELIGIOUS GENIUSES] AND HIS CRUCIFIXION IN 30 A.D. ORDERED BY PONTIUS PILATE [PRO-CURATOR OF JUDAEA UNTIL 36 AD], THIS AREA OF THE WORLD WAS A CROSSROADS OF HUNDREDS OF DIFFERENT CULTURES THAT ROME WAS UNABLE TO TOTALLY SUPPRESS. IN FACT DURING THE THREE YEARS OF THE TEACHING PERIOD OF JESUS THERE WERE IN EXCESS OF 1200 VIABLE CULTS ALL COMPETING FOR THE FAITH OF THE LOCALS.

IN OUR OWN TIMES [FROM THE MID-19TH CENTURY TO THE PRESENT] THERE HAVE BEEN AN EVER INCREASING NUMBER OF CULTS, WHICH WHILE PROCLAIMING UNIQUE AND INDIVIDUAL MESSAGES, MOST OFTEN AS NOT FORMED GREAT THEMATIC BLOCKS WITH

WHICH MOST PEOPLE ARE NOW FAMILIAR. BECAUSE ONLY A FRACTION OF THE MYSTICAL EXPERIENCES THAT OCCUR AT ANY TIME IN HISTORY EVER GENERATE CULTS AND EVEN FEWER PRODUCE FULL-FLEDGED RELIGIONS, THE ENERGY OF THESE EXPERIENCES STILL HAVE GREAT IMPACT ON THE INDIVIDUAL LIVES OF THOSE WHO RECEIVE THEM.

SINCE THE CONTENT(S) OF PARTICULAR MYSTICAL EXPERIENCES ARE STATES OF CONSCIOUSNESS THAT PRODUCE ADVANCEMENTS IN KNOWLEDGE SIMILAR TO THE ONTIC AND EPISTEMIC STATUS OF SAY POKING ONE'S HEAD OUT THE FRONT DOOR IN THE MORNING TO TAKE NOTE OF THE WEATHER CONDITIONS, BUT AT THE SAME TIME THE ACTUAL CONTENTS OF ANY MYSTICAL EXPERIENCE WILL BE UNIQUE TO THE INDIVIDUAL WHO HAS ONE, WHILE NOTING THE WEATHER AND ITS ENSUING REPORTAGE IS COMMON TO ALL. AND HEREIN LIES THE PROBLEM AND THE HUMAN FRUSTRATION OF MYSTICISM: HOW DOES ONE COMMUNICATE AN EXPERIENCE THAT IS FOR ALL INTENTS AND PURPOSES UNIQUE TO AN INDIVIDUAL AND RARE WITHIN THAT INDIVIDUAL'S IMMEDIATE COMMUNITY?

IT WAS THE AMERICAN PHILOSOPHER WILLIAM JAMES [1842-1910] WHO IN THE GIFFORD LECTURES DELIVERED AT EDINBURGH IN 1901-1902 - "THE VARIETIES OF RELIGIOUS EXPERIENCE" - STATED BEST, IN MY OPINION, THE LOGICAL PARAMETERS OF THIS PARTICULAR HUMAN FRUSTRATION. SINCE IT IS ABSOLUTELY NECESSARY FOR THE SURVIVAL OF THE

HUMAN RACE THAT THERE BE ONGOING AND DEEPLY FELT SOCIAL INTERACTION AND COMMUNICATION, THE IMPORTANCE OF HIS DESCRIPTION SHOULD NOT BE UNDERESTIMATED:

"MY NEXT TASK IS TO INQUIRE WHETHER WE CAN INVOKE IT [THE MYSTICAL EXPERIENCE] AS AUTHORITATIVE. DOES IT FURNISH ANY WARRANT FOR THE TRUTH OF THE TWICE-BORNNESS AND SUPERNATURALITY AND PANTHEISM WHICH IT FAVORS? I MUST GIVE MY ANSWER TO THIS QUESTION AS CONCISELY AS I CAN.

IN BRIEF MY ANSWER IS THIS, — AND I WILL DIVIDE IT INTO THREE PARTS: —

(1) MYSTICAL STATES, WHEN WELL DEVELOPED, USUALLY ARE, AND HAVE THE RIGHT TO BE, ABSOLUTELY AUTHORITATIVE OVER THE INDIVIDUALS TO WHOM THEY COME.

(2) NO AUTHORITY EMANATES FROM THEM WHICH SHOULD MAKE IT A DUTY FOR THOSE WHO STAND OUTSIDE OF THEM TO ACCEPT THEIR REVELATIONS UNCRITICALLY.

(3) THEY BREAK DOWN THE AUTHORITY OF THE NON-MYSTICAL OR RATIONALISTIC CONSCIOUSNESS, BASED UPON THE UNDERSTANDING AND THE SENSES ALONE. THEY SHOW IT TO BE ONLY ONE KIND OF CONSCIOUSNESS. THEY OPEN OUT THE POSSIBILITY OF OTHER ORDERS OF TRUTH, TRUTHS, IN WHICH, SO FAR AS ANYTHING IN US VITALLY RESPONDS TO THEM, WE MAY FREELY CONTINUE TO HAVE FAITH." (1).

(1) "THE VARIETIES OF RELIGIOUS EXPERIENCE" PP. 323-4
BY: WILLIAM JAMES, PUB. NEW AMERICAN LIBRARY ©1958

JAMES IS NOT REFERRING, OF COURSE, TO THE FRUSTRATION ONE HAS HOLDING IN AN ORDINARY SECRET, SUCH AS THE KNOWLEDGE OF THE DENOUEMENT OF THE LATEST "WHODUNIT", BUT THE KIND OF FRUSTRATION PLATO DESCRIBES IN BOOK SIX [PART SEVEN] OF "THE REPUBLIC". THIS IS THE FAMOUS SIMILE OF THE CAVE OF THE SHADOW WORLD OF ILLUSION. THE PRISONERS LOOK ONLY AT SHADOWS ON THE WALL. THEN SUDDENLY ONE PRISONER IS RELEASED AND LEAVES THE CAVE, NOTICES A LARGER MORE COMPREHENSIVE REALITY, AND FINALLY ENCOUNTERS THE SUN DIRECTLY AND RECEIVES THE VISION OF THE FORM OF THE GOOD.

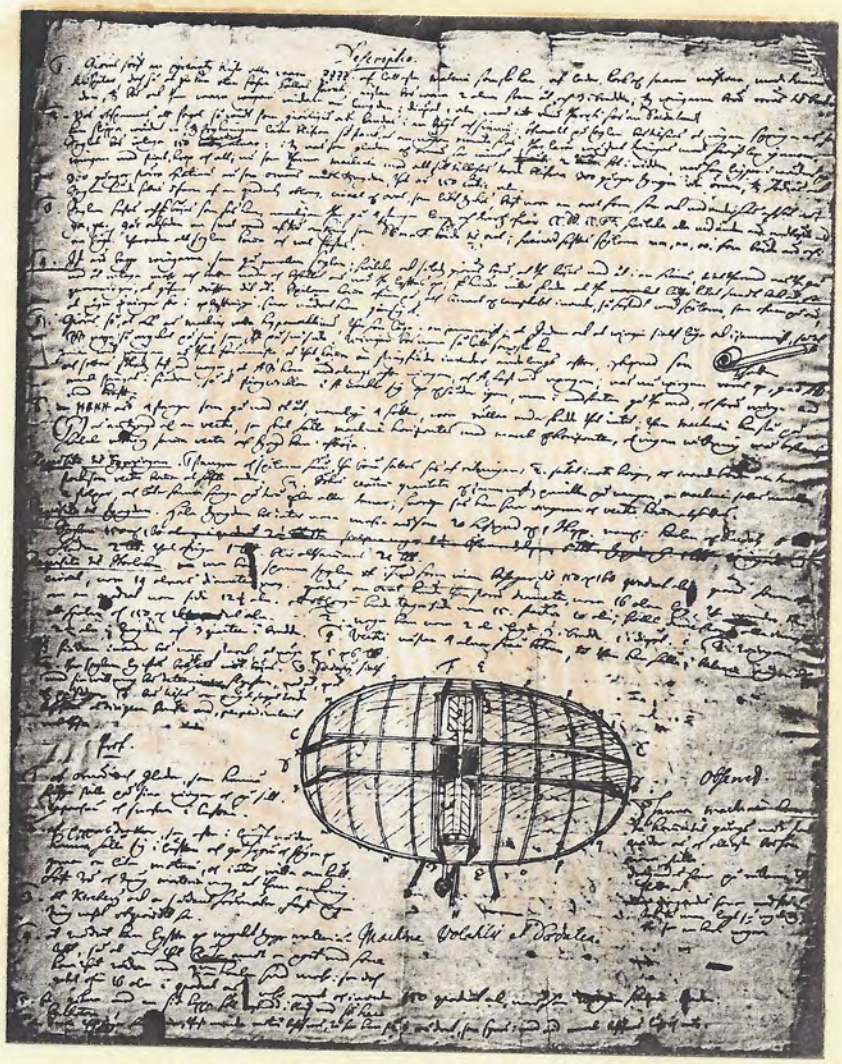
THE ECSTASY OF JOY, THE RELEASED ONE NOW FEELS AT HIS VISION OF TRUTH, MOTIVATES HIM TO RETURN TO THE DEPTHS OF THE CAVE AND FREE HIS FELLOW PRISONERS. BUT THE BLINDING LIGHT OF THE SUN HAS RENDERED HIS EYES INOPERATIVE. THE OTHER PRISONERS, HE APPROACHES, NOW CALL HIM A FOOL FOR EVEN ATTEMPTING SUCH A JOURNEY, REGARDLESS OF THE FACT THAT HIS OWN RELEASE WAS THE RESULT OF "THE DIVINE HAZARD" [OBJECTIVE CHANCE].

THE RELEASED ONE PRESSES HIS CASE ABOUT RELEASING THE OTHERS. MOST BECOME VERY ANNOYED AT WHAT THEY CONSIDER HIS NEW FOUND ARROGANCE AND HUBRIS. SOON THE ANNOYANCE CHANGES TO ANGER. THEY SAY "IF ANYONE TRIED TO RELEASE THEM AND LEAD THEM UP, THEY WOULD KILL HIM IF THEY COULD LAY HANDS ON HIM".

SUCH IS THE CASE OF THE INDIVIDUAL MYSTIC, WHO IS WITHOUT ANY SUPPORT GROUP OR FOLLOWERS [SUCH AS A CULT]. DEPENDING ON HIS OR HER STRENGTH OF WILL THE REACTION COULD RANGE FROM COMPLETE WITHDRAWAL INTO TOTAL PSYCHOSIS; DENIAL TO THE SELF THAT ANY SUCH EXPERIENCE EVER HAPPENED; OR IF THEY ARE CAPABLE OF CREATIVE EXPRESSION IN THE ARTS, FOR INSTANCE, THEY WILL ATTEMPT TO COMMUNICATE THEIR EXPERIENCES IN A SYMBOLIC MANNER PROVIDING VISIONARY ART OF TWO VARIETIES: ① VISIONARY ART IN WHICH THE ARTIST SIMPLY RECORDS AS BEST HE CAN THE MYSTICAL EXPERIENCE DIRECTLY, BEREFT OF ANY "SHOW BUSINESS" FRILLS - THIS IS "NO-NONSENCE" OR TRUE VISIONARY ART. AN EXAMPLE OF THIS IS THE VISION AND ITS ULTIMATE RENDERING BY EMANUEL SWEDENBORG [1688-1772] WHO SAW AN ANGEL IN 1714, AND DESCRIBED IT AS A FLYING MACHINE OR A GLIDER. TODAY IF WE SEE AN ANGEL WE OFTEN CALL IT A "FLYING SAUCER" OR AN UFO, OR SOME OTHER SUCH CONSTRUCT.

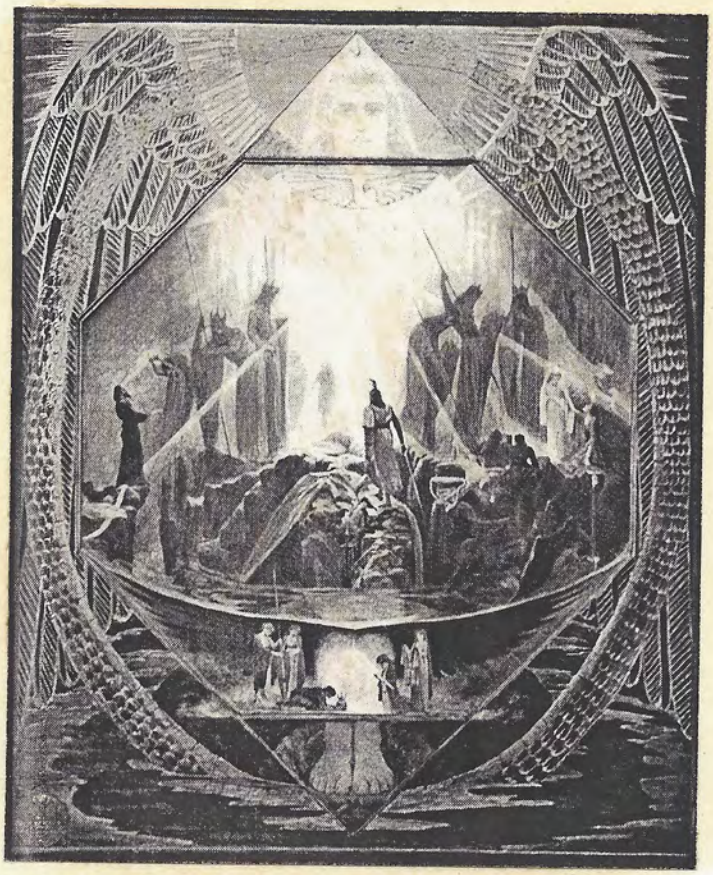
IN MODEL FORM ONE CAN TELL IMMEDIATELY THAT THIS STRUCTURE IS AERODYNAMICALLY IMPOSSIBLE, AND IS IN FACT AN ATTEMPT AT ADJUSTING A PURE

TIMELESS VISION TO THE EXISTING TECHNOLOGY OF THE EARLY 18TH CENTURY.



SWEDENBORG CALLED HIS INVENTION "THE DAEDALUS HYPERBOREUS", IN DEFERENCE TO THE ANCIENT GREEKS WHO CALLED HIS PART OF THE WORLD [SWEDEN]: THE HYPERBOREAN: OR THE FROZEN LAND BEYOND THE NORTH WIND IN A REGION OF PERPETUAL SUNSHINE. THIS IS A MODERN VISION OF THE ATTEMPT TO ESCAPE THE FINITUDE OF THE EARTH.

WHAT SWEDENBORG HAD ACCOMPLISHED BY THIS DEVICE WAS A TRANSLATION OF A MYSTIC VISION COMPLETELY DIVORCED FROM TRADITIONAL RELIGIOUS SYMBOLISM; AND IN DOING SO PRODUCED AN ENTIRELY NEW OBJECT THAT DEFIED THE CONCEPT OF LIMIT. IT WOULD NOT BE UNTIL WELL OVER 200 YEARS LATER THAT THE SURREALISTS OF THE 1930's WOULD BE ABLE TO VERBALIZE THIS IDEA OF TRANSCENDING LIMITS AS AN ACTUAL IMPERATIVE TOWARD THE INFINITE EXPANSION OF REALITY AS A SUBSTITUTE FOR THE PREVIOUSLY ACCEPTED DICHOTOMY BETWEEN THE REAL AND THE IMAGINARY.



②: A PAINTING ENTITLED THE THEOSOPHICAL PATH [1926] BY KATHERINE TINGLEY OF

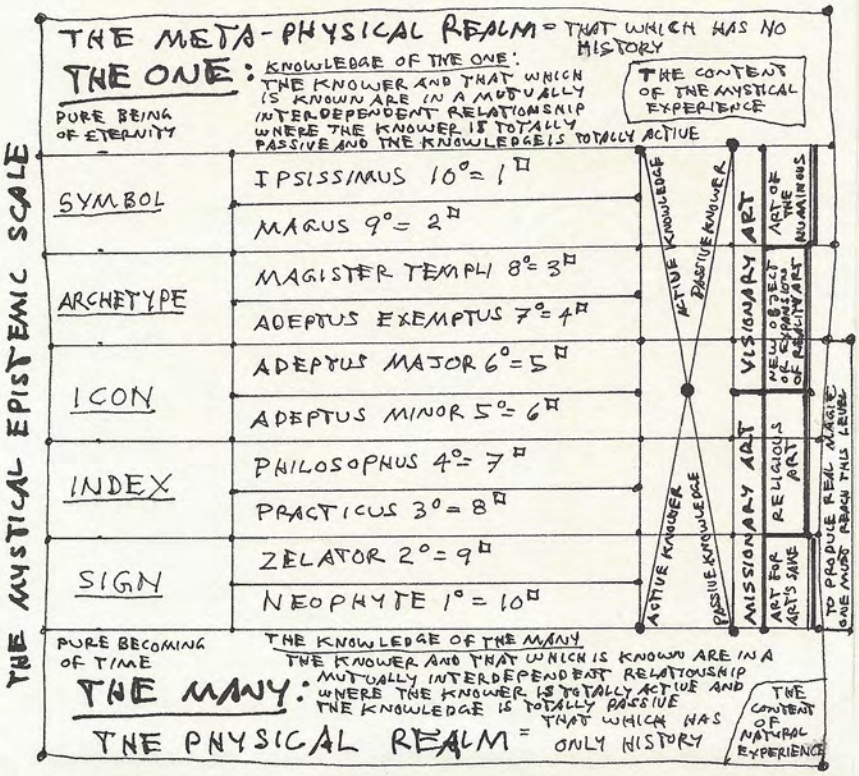
POINT LOMA CALIFORNIA SHOULD SUFFICE TO INDICATE THE OTHER TYPE OF VISIONARY ART OR WHAT COULD BE CALLED WORKS OF MYSTICAL CONSERVATISM. IT IS A WORK DONE BY A PERSON WHO WAS CLOSE TO A PERSON OR PERSONS WHO HAVE BEEN AUTHENTIC MYSTICS. THE ARTIST HERSELF MAY EVEN HAVE HAD A SPARK OF A TOTAL MYSTICAL EXPERIENCE, BUT THE MOTIVATION HERE IS TO ILLUSTRATE THE EXISTENCE OF A MYSTICAL PATH, AND NOT TO RECORD THE CONTENTS OF A PARTICULAR MYSTICAL EXPERIENCE. THIS FORM OF VISIONARY ART IS VERY CLOSE TO "MISSIONARY" ART OR THE ART WHICH PROPAGANDIZES MATURE RELIGIONS FROM A POSITION OF FAITH. AN EXAMPLE OF "MISSIONARY ART" AS DISTINGUISHED FROM VISIONARY ART, EVEN THOUGH ITS SUBJECT MATTER IS A MYSTICAL EXPERIENCE, COMES FROM THE ITALIAN BAROQUE PERIOD.
GIANLORENZO BERNINI [1598-1680] RENAISSANCE ARTIST-ARCHITECT [WHO REGULARLY PRACTICED JESUIT SPIRITUAL EXERCISES] BECAME THE BIGGEST "MEDIA-GUN" OF THE COUNTER-REFORMATION. HIS CONCERN OF BREAKING DOWN THE SPATIAL AND INTELLECTUAL BOUNDARIES BETWEEN HIS ARTWORKS AND ANY SPECTATORS, DREW THE AUDIENCE INTO THE ACTION OF HIS COMPOSITIONS, AND IN SO DOING LAUNCHED THE BAROQUE. ONE OF HIS MOST FAMOUS WORKS "THE

ECSTASY OF SAINT THERESA"

[1645-1652] APPEARS AS A FLOATING THEATRICAL SCULPTURE MOUNTED IN A NICHE IN THE CORNARO CHAPEL OF THE CHURCH OF SAINT MARIA DELLA VITTORIA IN ROME. IT DEPICTS SAINT THERESA AT THE HEIGHT OF A MULTIPLE MYSTICAL EXPERIENCE. BUT BERNINI'S ATTEMPT TO MIX THE ACCEPTED CATHOLIC CONCEPT OF THE DIVINE PRESENCE WITH THE MYSTICAL AND THE EARTHLY BY MEANS OF CARVED WHITE AND COLORED MARBLES, CAST BRONZE, STUCCO, CARVED STONE, PAINTED SETS, AND COLORED BACK LIGHTING THROUGH STAINED GLASS PANELS, RESULTED NOT IN A TRUE SYMBOLISM, BUT IN A KITSCH AND ALMOST EROTIC FANTASY TABLEAU OF THE REAL WORLD OF THE STREET. BERNINI WORKING FROM SAINT THERESA'S OWN VERBAL DESCRIPTION OF HER UNITY WITH THE GODHEAD AS A REPEATED PENETRATION BY AN ARROW THROUGH HER HEART, DESCRIBES THE EXACT MOMENT OF THRUST AS A SCENE SHOWING A DELICATE ADOLESCENT ANGEL - WITH DART IN HAND, POISED READY FOR ACTION - AND A SMILE ON HIS LIPS THAT TURNS INTO A KNOWING SMIRK AS HE INSPECTS HIS HANDIWORK ON THE PERSONAGE OF SAINT THERESA. THE SCULPTURE OF HER BODY MAKES HER RESEMBLE A LIMP MIDDLEAGED

WASHERWOMAN RESTING SOMEWHAT UNCOMFORTABLY ON A STONE CLOUD, MOUTH AGAPE, EACH EYE MOVING SEPARATELY INTO HIGH SANKAPU. SHE IS ALMOST COMATOSE. BERNINI, AN ARTIST IN AND OF THE WORLD KNEW WELL HIS AUDIENCE, AND HOW TO KEEP IT.

ON THE MYSTICAL EPISTEMIC SCALE OF THE REALIZATION OF COSMIC UNITY: ① SIGN, ② INDEX, ③ ICON, ④ ARCHETYPE TO A TRUE ⑤ SYMBOL: SWEDENBORG'S VISUAL CONSTRUCT ATTAINS THE SECOND HALF LEVEL WITHIN THE REALM OF THE ARCHETYPE; THE WORK OF TINGLEY REACHES THE FIRST HALF LEVEL OF THE REALM OF THE ICON; AND BENINI'S "THE ECSTASY OF SAINT THERESA" ATTAINS THE SECOND HALF LEVEL OF THE REALM OF THE INDEX.



THE SIGN BEGINS WITH THE TOTALLY ARBITRARY CODING OF ANY INFORMATION WITH ANY OTHER INFORMATION AND RISES TO HISTORICAL TRADITIONS OF INFORMATION.

THE INDEX BEGINS WITH SYMPTOMS OF NON-ARBITRARY INFORMATION AND RISES TO A FULLY DEVELOPED FORENSIC SYSTEM.

THE ICON BEGINS BY DEFINING ONENESS BOTH BY ANALOGIES TO INFINITE SPACE AND NEVER BEGINNING NOR ENDING TIME, AND RISES TO A STRUCTURAL ANALOGUE OF ENERGY WHICH IS EFFICACIOUS WITHOUT MOTION, WHICH SEPARATES IT FROM ENERGY WHICH IS EFFICACIOUS WITH MOTION - THE ENERGY OF THE NATURAL.

THE ARCHETYPE BEGINS BY THE COMPLETE ACCEPTANCE OF SOMETHING BEYOND THE HUMAN EGO AND RISES TO THE REALIZATION OF BEING INSTRUCTED BY THE REVELATIONS OF THE ONE.

THE SYMBOL BEGINS BY TRUE KNOWLEDGE BEING REVEALED TO PARTICULAR INDIVIDUALS AND RISES TO THE STATE OF BEING A PORTAL FOR THOSE INDIVIDUALS TO THE TRUE PRESENCE OF THE ONE.

THE JUDGMENT BY RELIGION THAT MAGIC IS INHERENTLY BLASPHEMOUS OR EVIL FAILS BECAUSE MAGICAL ABILITIES DO NOT BEGIN TO MANIFEST IN A PERSON UNTIL HE OR SHE REACHES THE LEVEL OF "ADEPTUS EXEMPTUS $7^{\circ}=4^{\square}$, THE FIRST PART OF ARCHETYPE ON THE MYSTICAL-EPISTEMIC SCALE, WELL BEYOND THE RELIGIOUS ASPECT OF THE MYSTICAL PATH. IN A REAL SENSE MAGICAL ABILITIES BY PASS ANY CONCERN WITH RELIGION AND

ARE MERELY BY-PRODUCTS OF THE MYSTICAL PATH THAT HAVE EFFECTS WITHIN THE WORLD OF PHENOMENA. IN THE EASTERN METAPHYSICAL TRADITIONS MAGICAL ABILITIES ARE CALLED "SIDDHIS" OR "PERFECT ABILITIES" AND "VIBHÙTIS" OR THE POWERS DERIVED FROM REVELATION. THE WORD MAGIC COMES FROM MAGI [THE LATIN PLURAL OF MAGUS MEANING "WISE MEN"]. AND THERE IS THE SPECIFIC REFERENCE TO THE THREE WISE MEN OF THE EAST - MELCHIOR, GASPAR, AND BALTHAZAR - WHO BROUGHT GOLD, FRANKINCENSE, AND MYRRH TO THE INFANT JESUS. THE MAGI WERE MEMBERS OF THE PRIESTLY CASTE OF THE RELIGION OF ZOROASTRIANISM FOUNDED IN 6TH CENTURY PERSIA BY THE PROPHET ZOROASTER. THE MAGI ARE CREDITED WITH GREAT OCCULT POWERS WHICH ARE IN TURN DERIVED FROM THEIR CONTACT WITH THE BRAHMANS OF ANCIENT VEDIC TIMES [APPROXIMATELY 1500 B.C.E.]. IN THE WEST WE NOW CALL MAGICAL ABILITIES BY THE GENERAL TERM OF "PSYCHIC PHENOMENA", COVERING SUCH ABILITIES AS: TELEPATHY, TELEKINESIS; CLAIRVOYANCE; MEDIUMSHIP; LEVITATION; INVISIBILITY; CHARISMS: SUCH AS VISIONS, STIGMATA, BODILY INCORRUPTIBILITY, BODILY ELONGATION OR SHRINKING, COMPENETRATION OF BODIES; APPORTISM [THE ARRIVAL OF AN OBJECT THROUGH SOLID MATTER]; THE CONJURATION OF GHOSTS, ANGELS, DEMONS OR THE FORCES CONTROLLING O.B.E.'S AND N.D.E.'S; ETC.

THOSE WHO MOST OFTEN EXHIBIT

THESE POWERS ARE THE SO-CALLED "SENSITIVES" WHOSE OCCUPATIONS TEND TOWARD: SPIRITUAL TEACHERS, BRILLIANT SCIENTISTS AND OBSESSIVE-HYSTERICAL ARTISTS.

THE "REAL" RELIGIOUS OBJECTION TO "PSYCHIC ABILITIES" OR MAGIC IS THAT THE CONSCIOUS CULTIVATION OF SUCH POWERS IS LOOKED UPON AS A SERIOUS OBSTACLE ON THE PATH TO PERSONAL OR SOCIAL SPIRITUAL DEVELOPMENT AND NOT BLASPHEMY [WHICH CARRIES WITH IT THE IMPERATIVE OF VIOLATING A MORAL AND SACRED TABOO]. BUT SINCE MAGIC IS DIRECTED TOWARD THE PHENOMENAL WORLD AND NOT TOWARD THE NOUMENAL WORLD, IT IS NEITHER GOOD NOR EVIL IN ANY INHERENT SENSE BUT ONLY IN THE INSTRUMENTAL SENSE. ANY CHARGE OF MAGIC BEING AN ADDICTION MUST BE TAKEN ON A CASE BY CASE BASIS.

ANY PERSON WHO HAS DEVELOPED HIS OR HER WILL AND IMAGINATION TO A GREAT DEGREE [WHICH IS ONE OF THE CHARACTERISTICS OF A MAGICIAN] WILL BE ABLE TO USE "REAL MAGIC" WITHOUT ILL EFFECTS OR REBOUNDS. OR SO SAYS PHILIP EMMONS ISAAC BONEWITS AMERICA'S FIRST ACADEMICALLY ACCREDITED PRACTITIONER OF MAGIC. HE RECEIVED HIS BACHELOR OF ARTS [WITH A MAJOR IN MAGIC] IN 1970 FROM THE UNIVERSITY OF CALIFORNIA AT BERKELEY.

THE VERY NEXT YEAR 1971 HE PUBLISHED HIS FIRST BOOK "REAL MAGIC". THIS BRINGS ME TO THE SECOND JUDGMENT OF MAGIC - THAT OF SCIENCE AND THE IDEA THAT MAGIC IS SOMEHOW FAILED OR PROTO-SCIENCE AT BEST.

ARTHUR C. CLARKE [SCIENCE-FICTION WRITER OF SHORT STORY "THE SENTINEL" WHICH BECAME "2001: A SPACE ODYSSEY" BY FILMMAKER STANLEY KUBRICK] ALWAYS CLAIMED THAT ANY SCIENCE THAT WAS NOT "FULLY UNDERSTOOD" WOULD BE INTERPRETED AUTOMATICALLY AS "MAGIC" - MEANING 'NOT UNDERSTOOD" BUT CAPABLE OF IMPRESSING THE MASSES.

HIS NOT SO HIDDEN ASSUMPTION IS THAT WITHOUT AN 18TH CENTURY VISION OF SCIENCE AND NATURAL WORLD [WHEN SECULARISM WAS AT ITS ZENITH] TO SUPPORT OUR EVER FALTERING HUMAN REASON WE WOULD JUST ALL SLIP QUIETLY BACK INTO A PURE ANIMAL FAITH AND TOTAL SUPERSTITION. OTHERS SUCH AS THE SCIENCE-POPULARIZER, MARTIN GARDNER WHO USED TO WRITE A COLUMN FOR SCIENTIFIC AMERICAN, OVER THE YEARS HAS BEEN USING HIS VOLTAIRE-LIKE WIT IN AN ATTEMPT TO DEBUNK ANYTHING THAT EVEN SMELLS LIKE "NEW AGE" THINKING INCLUDING CONCEPTS PUT FORTH BY CONTEMPORARY THEORETICAL PHYSICISTS SUCH AS THE ADVOCATES OF "SUPERSTRING THEORY" THAT ULTIMATELY DEPENDS ON

THE VERY NEXT YEAR 1971 HE PUBLISHED HIS FIRST BOOK "REAL MAGIC". THIS BRINGS ME TO THE SECOND JUDGMENT OF MAGIC - THAT OF SCIENCE AND THE IDEA THAT MAGIC IS SOMEHOW FAILED OR PROTO-SCIENCE AT BEST.

ARTHUR C. CLARKE [SCIENCE-FICTION WRITER OF SHORT STORY "THE SENTINEL" WHICH BECAME "2001: A SPACE ODYSSEY" BY FILMMAKER STANLEY KUBRICK] ALWAYS CLAIMED THAT ANY SCIENCE THAT WAS NOT "FULLY UNDERSTOOD" WOULD BE INTERPRETED AUTOMATICALLY AS "MAGIC" - MEANING 'NOT UNDERSTOOD" BUT CAPABLE OF IMPRESSING THE MASSES.

HIS NOT SO HIDDEN ASSUMPTION IS THAT WITHOUT AN 18TH CENTURY VISION OF SCIENCE AND NATURAL WORLD [WHEN SECULARISM WAS AT ITS ZENITH] TO SUPPORT OUR EVER FALTERING HUMAN REASON WE WOULD JUST ALL SLIP QUIETLY BACK INTO A PURE ANIMAL FAITH AND TOTAL SUPERSTITION. OTHERS SUCH AS THE SCIENCE-POPULARIZER, MARTIN GARDNER WHO USED TO WRITE A COLUMN FOR SCIENTIFIC AMERICAN, OVER THE YEARS HAS BEEN USING HIS VOLTAIRE-LIKE WIT IN AN ATTEMPT TO DEBUNK ANYTHING THAT EVEN SMELLS LIKE "NEW AGE" THINKING INCLUDING CONCEPTS PUT FORTH BY CONTEMPORARY THEORETICAL PHYSICISTS SUCH AS THE ADVOCATES OF "SUPERSTRING THEORY" THAT ULTIMATELY DEPENDS ON

POSTULATES SUCH AS THE EXISTENCE OF INVISIBLE HYPERSPHERES, HIS ONE-MAN CRUSADE AGAINST WHAT HE HAS CALLED "OCCULT GARBAGE" IN THE PUBLISHING FIELD WAS SHORT-LIVED AS HE WAS QUICKLY JOINED BY OTHERS. THEY FORMED AN ORGANIZATION CALLED "CSICOP" - A SOCIETY DEDICATED TO INVESTIGATE THE CLAIMS OF PARAPSYCHOLGY. THEIR MAGAZINE IS CALLED "THE SKEPTICAL INQUIRER". [SHADES OF ROBERT, GREEN, INGERSOLL [1833-1899]]. THE GOAL OF THE ORGANIZATION IS TO DEMONSTRATE THAT PSYCHIC PHENOMENA [I.E. REAL MAGIC] CAN BE CONSIDERED LEGITIMATE IF AND ONLY IF IT CAN FACE THE SCRUTINY OF AN AUTHENTIC SCIENTIFIC EXPERIMENT CREATED AND DEVELOPED BY STAGE MAGICIANS. [APPARENTLY GARDNER BELIEVES THAT THE ONLY GROUP OF PEOPLE ON THE PLANET THAT CAN NOT BE FOOLED ABOUT MATTERS OF NATURE ARE STAGE MAGICIANS - THE MASTERS OF ILLUSION].

GARDNER'S PERSONAL "PIT-BULL" AND RACONTEUR IS A SECOND-RATE PROFESSIONAL STAGE MAGICIAN, JAMES RANDI, WHO GOES BY THE STAGE NAME OF "THE AMAZING RANDI". RANDI EARLY ON IN HIS CAREER DISCOVERED THAT HE COULD MAKE MORE MONEY TRYING TO PROVE THAT PSYCHICS ARE FRAUDS AND THAT THERE IS NO SUCH THING AS REAL MAGIC, RATHER THAN STICKING TO HIS GUNS. HE BECAME A MEDIA-HUCKSTER OF THE FIRST WATER, NOT AFRAID TO GET DOWN AND DIRTY IN THE TABLOIDS. A WHILE BACK HE WOULD CARRY ON HIM, AT ALL TIMES, A

CERTIFIED CHECK FOR $10,000.00/100 AS A CARROT TO TEMPT PSYCHICS TO DEMONSTRATE THEIR CLAIMS. DUE TO INFLATION THE CHECK VALUE HAS RISEN TO $100,000.00/100. IN A PERSONAL INTERVIEW WITH HIM HE COMPLAINED TO ME THAT HIS BOOK "FLIMFLAM" WAS USUALLY SHELVED IN THE SPORTS SECTION AND NOT IN THE OCCULT SECTION IN POPULAR BOOK STORES. [REAL MAGIC HAS A WAY OF PROTECTING ITSELF AND OFTEN WITH REAL HUMOR]. I ASKED HIM, IF HE BELIEVES THAT THE OCCULT [THE STUDY OF REAL MAGIC] IS AT BASE BOGUS WHY WASTE SO MUCH ENERGY TRYING TO COUNTER SOMETHING THAT IS NOT REAL. THE BEST ANSWER HE COULD MUSTER AT THAT TIME WAS SOME LIBERAL CRAP ABOUT BEING A "NATURAL" DETECTIVE WORKING IN BEHALF OF "MOTHER NATURE" AND AT THE SAME TIME PROTECTING THE PUBLIC AGAINST ITS OWN GULLIBILITY.
HIS APPEAL TO A COMMON SENSE VISION OF NATURE, WHILE ACTING AS A MOUTHPIECE FOR MARTIN GARDNER, GOES BACK TO THE 18TH CENTURY REBELLION AGAINST ANYTHING THAT IS NOT EGALITARIAN. BUT UNLIKE THE REVOLUTIONARY THOMAS PAINE [1737-1809] OR EVEN H. L. MENCKEN [1880-1956] THE CANTANKEROUS NEWSPAPER EDITOR, RANDI IS MOTIVATED LESS BY THE "WILL TO ANNOY" AND MORE BY THE "WILL TO ACQUIRE". AND ACQUIRE HE DID. IN 1986 RANDI WAS AWARDED A MACARTHUR FOUNDATION GRANT OF $272,000.00/100 TO HELP HIM TO CONTINUE

HIS ATTACKS AGAINST REAL MAGIC [WHICH, TO SAY THE LEAST ABOUT, IS NOT VERY EGALITARIAN]. THE MACARTHUR FOUNDATION HAS IN ITS SHORT HISTORY GAINED THE REPUTATION OF DISPERSING "CRAZY CHECKS".

OSTENSIBLY THE USE MARTIN GARDNER MAKES OF SUCH PEOPLE AS RANDI [HE ALSO RECENTLY SENT OUT A KENTUCKY TEACHER, STAGE MAGICIAN, AND DIE-HARD SCEPTIC, ONE JOE NICKELL, TO METAPHORICALLY RIP THE SHROUD OF TURIN TO PIECES, ONLY HE WAS UPSTAGED BY BETTER QUALITY DEBUNKERS] IS TO CLAIM THAT ONE CAN NOT DO AUTHENTIC PSYCHIC RESEARCH WITHOUT THEIR HELP. HIS EXACT WORDS ARE: "WITHOUT THE HELP OF PROFESSIONAL DECEIVERS - THE CONJURORS - NO TESTING OF A SUPERPSYCHIC IS WORTH TEN CENTS OF FUNDING."

THE ONLY REASON IN 1975 THAT I EVEN MET "THE AMAZING RANDI" WAS THE FACT I WAS INVITED BY A PRODUCER OF CHANNEL 4 TELEVISION IN BOSTON TO PARTICIPATE FROM THE AUDIENCE ON A SHOW ABOUT "MAGIC AND THE PSYCHIC" AS PART OF A "NEW AGE SERIES" CALLED A "NEW VISION OF NATURE", THEY WERE LAUNCHING THAT FALL. AT THAT TIME I HAD NEVER HEARD OF RANDI.

HAVING SAID A FEW A FEW PROVOCATIVE WORDS IN FAVOR OF PSYCHIC RESEARCH, SUCH AS: "THE PHYSICS OF CONSCIOUSNESS OR MIND-PHYSICS REPRESENTS THE FIRST ATTEMPT IN THE 20TH CENTURY TO RE-INTRODUCE INTO CULTURE THE

LOST PRACTICE OF REAL MAGIC OF WHICH STAGE MAGIC IS BUT A PALE AND NOSTALGIC REFLECTION", OR " THE PERSON WHO MADE THE FIRST ATTEMPT WAS LEONARD T. TROLAND [1889-1932]. TROLAND, WHEN HE WAS 18, MET THE FAMOUS AMERICAN PHILOSOPHER WILLIAM JAMES [1842-1910], WHO THEN WAS IN HIS LAST YEARS. TROLAND, A FIRST CLASS INVENTOR - HE DEVELOPED COLOR CINEMATOGRAPHY IN 1918, WAS INVOLVED IN PROTO-SONAR AND LASER RESEARCH TO NAME A FEW THINGS - BECAME AN ASSISTANT PROFESSOR IN THE PSYCHOLOGY DEPARTMENT AT HARVARD UNIVERSITY. IN 1924 HE WAS AWARDED THE WILLIAM JAMES FOUNDATION GRANT IN PSYCHICAL RESEARCH THE FIRST TIME IT WAS OFFERED. WITH THE GRANT HE SET UP A PARAPSYCHOLOGY LABORATORY AT HARVARD, THE FIRST OF ITS KIND. ONE OF TROLAND'S FIRST STUDENTS WAS J. B. RHINE, WHO WENT ON TO BE THE DIRECTOR OF THE FOUNDATION FOR RESEARCH ON THE NATURE OF MAN AT DUKE UNIVERSITY, CARRYING TROLAND'S WORK ON INTO THE 1940'S. AND HOW I KNOW ALL THIS, IS FROM MY FATHER, A TRUST OFFICER AT THE CAMBRIDGE TRUST COMPANY IN HARVARD SQUARE, WHO SETTLED TROLAND'S ESTATE. RECOGNIZING IMMEADIATELY THE ADVANCED NATURE OF TROLAND'S WORK, ESPECIALLY THE UNPUBLISHED FINAL VOLUME OF HIS 1500 PAGE TREATISE "THE PRINCIPLES OF PSYCHOPHYSIOLOGY" - CALLED "THE ULTIMATE THEORY OF MIND AND MATTER", MY FATHER PHONED

HIS FRIEND, THEN A GRADUATE STUDENT AT BOTH HARVARD AND COLUMBIA UNIVERSITIES, GARDNER MURPHY - AN ACTIVE MEMBER OF THE AMERICAN SOCIETY FOR PSYCHICAL RESEARCH IN NEW YORK CITY, AND WHO LATER WOULD BECOME THE DIRECTOR OF RESEARCH AT THE MENNINGER FOUNDATION IN TOPEKA KANSAS.

BOTH MURPHY AND MY FATHER AGREED THAT THIS FINAL WORK OF TROLAND SHOULD BE PLACED IN AN "ACADEMIC TIME CAPSULE" - BECAUSE OF ITS ORGINALITY - AND TO BE OPENED SOMETIME IN THE MID 21ST CENTURY WHEN IT WILL BE UNDERSTOOD AND APPRECIATED BY A TIME IN HISTORY THAT RECOGNIZES REAL MAGIC AS A FACT. EVER SINCE I WAS 10 YEARS OLD AND WAS TOLD ABOUT TROLAND I HAVE BEEN TRYING TO FIND HIS LAST NOTES, WHICH MY FATHER CLAIMED HE HAD HIDDEN SOMEWHERE IN HARVARD UNIVERSITY. SO AFTER THE SHOW WE CORNERED EACH OTHER IN THE GREEN ROOM. IT WAS THERE THAT I DISCOVERED HIS REAL MODUS-OPERANDI. BECAUSE HE CARRIES "THAT CHECK" ON HIS PERSON AT ALL TIMES, HE TRIES TO INDUCE ANY "MARK" HE SPOTS INTO CONSTRUCTING A PARAPSYCHOLOGICAL EXPERIMENT ON THE SPOT. HE THEN COUNTERS WITH A BIZARRE, BLUSTERING, BYZANTINE INFINITE REGRESS OF ALL POSSIBLE CIRCUMSTANCES, WHICH HE FEELS WILL DEFINE WHY YOUR EXPERIMENT, AS STATED, WILL NOT WORK. EVENTUALLY HE REACHES A STATE OF BAROQUE ABSURDITY IN HIS THINKING THAT WOULD MAKE EVEN THE PLAYWRIGHT

I TOOK THE "BAIT" JUST TO SEE WHAT WOULD HAPPEN. HE HAD HIS BACK TO THE ONLY WINDOW IN THE ROOM. HIS SILHOUETTED BODY WAS SEATED BEHIND THE ONLY TABLE IN THE ROOM. EVEN THOUGH IT WAS A FLIMSY CARD TABLE, HE MANAGED TO DEVELOP AN AD-HOC POWER SPOT". MOTIONING WITH HIS HAND FOR ME TO SIT DOWN IN A CHAIR, HE HAD POSITIONED ON THE OPPOSITE SIDE OF THE TABLE, HE WAS ABLE TO EVOKE UNCONSCIOUSLY IN ME THE FEELING THAT I WAS IN THE PRESENCE OF AUTHORITY, REGARDLESS OF THE FACT THAT IN TERMS OF STATURE HE IS QUITE SHORT.

"WELLLLL!" HE DEMANDED. [THERE WAS A LONG SILENCE AS I SIMPLY STARED OUT OF THE PART OF THE WINDOW THAT WAS NOT OBSCURED BY HIS BULBOUS HEAD].

"WHAT IS YOUR EXPERIMENT IN THE PSYCHIC REALM" HE SNARLED. I HAD NO IDEA OF WHAT TO SAY, AS I CONTINUED TO STARE BLANKLY AT THE SLIT OF LIGHT BESIDE HIS HEAD THAT DISPLAYED CARS WHIZZING BY IN THE FOREGROUND, TREES IN THE MIDDLEGROUND LINED UP TO INDICATE THE FURTHER EDGE OF "SOLDIERS FIELD ROAD", AND THE MEANDERING "CHARLES RIVER" TAKING UP THE BACK. FINALLY THE FLICKER OF CARS LIT UP MY MIND. "HOW ABOUT IF I TRIED TO GUESS WHEN WITHIN A GIVEN TEST HOUR THE EXACT TIME OF THE PASSAGE OF EVERY GREEN

COLORED CAR THAT APPEARS AT THE WINDOW BEHIND YOU, AS AN EXAMPLE OF PRECOGNITION?" "TOO COMPLEX" HE SNAPPED. "ARE YOU TESTING FOR GREENNESS OR THE EXACT TIME OF GREENNESS?" I SUDDENLY NOTICED A STEADY STREAM OF ALL WHITE "CHEVEYS" GOING BY WHICH I THOUGHT WAS A MINOR MIRACLE UNTIL I REMEMBERED THAT A NUMBER DEALERSHIPS WERE LINED UP NEXT TO THE TV STUDIO. "WELL", I RETORTED, "HOW ABOUT IF I PREDICT IN WHICH OF THE TWELVE FIVE MINUTE UNITS OF A DEFINED HOUR A GREEN CAR WILL PASS BY THE WINDOW?" "BETTER, BUT HOW DO I KNOW THAT YOU DID NOT MAKE PRIOR ARRANGEMENTS WITH ONE OF THE LOCAL CAR DEALERS TO HAVE A GREEN CAR DRIVEN BY THE WINDOW AT A TIME OF YOUR OWN CHOOSING?" "WHAAT!" I SCREAMED; "THIS MORNING I DID NOT KNOW I WOULD BE HERE TODAY. I NEVER KNEW ABOUT YOU BEFORE TODAY. YOU SAW ME IN THE AUDIENCE AS I SPOKE AND YOU DRAGGED ME INTO THIS PARTICULAR ROOM". "NO", HE SAID FLATLY, "I DON'T BELIEVE YOU. YOU MUST BE LYING. I AM VERY WELL KNOWN". DISGUSTED, I GOT UP TO LEAVE. "STOP", HE COMMANDED, AND AS I TURNED AROUND TO FACE HIM AGAIN - MUCH

MORE BENIGHNLY WAS HIS TONE - "DON'T YOU WANT TO WIN THE MONEY?" "I WOULD DO BETTER AT LAS VEGAS, BESIDES MY FORTE IS PSYCHOKINESIS NOT PRECOGNITION. AND IF I LEVITATED YOU OUT THAT WINDOW AT A VERY HIGH VELOCITY YOU WOULD HAVE THE COPS ON ME BEFORE SUNDOWN."

BONEWITS AT THE END OF HIS BOOK "REAL MAGIC" ATTEMPTS A COGENT DEFINITION OF THE WORD MAGIC:

"MAGIC IS A SCIENCE AND AN ART COMPRISING A SYSTEM OF CONCEPTS AND METHODS FOR THE BUILDING UP OF HUMAN EMOTION, ALTERING THE ELECTROCHEMICAL BALANCE OF THE METABOLISM, USING ASSOCIATIONAL TECHNIQUES AND DEVICES TO CONCENTRATE AND FOCUS THIS EMOTIONAL ENERGY, THUS MODULATING THE ENERGY BROADCAST BY THE HUMAN BODY, USUALLY TO AFFECT OTHER ENERGY PATTERNS, WHETHER ANIMATE OR INANIMATE, BUT OCCASIONALLY TO AFFECT THE PERSONAL ENERGY PATTERNS.

"THAT'S ALL

"I AM MOST INCLINED TO AGREE WITH THE WORDS PSYCHIC RESEARCHER AND AUTHOR ALLEN SPRAGGETT IN A RECENT LETTER TO ME: "IT MAY BE, OF COURSE, THAT

BOTH OUR CONCEPTIONS OF MATTER AND NON-MATTER ARE NAÏVE AND THAT REALITY IS SOMETHING ELSE ALTOGETHER", I THINK HE HAS HIT THE NAIL QUITE SQUARELY UPON THE HEAD, THOUGH FEW PROFESSIONAL OCCULTISTS WOULD DARE TO BE AS HONEST. WE NEED MORE RESEARCH.

WHAT BONEWITS HAS DONE IS TO OPEN UP A LITTLE BIT THE DEFINITION OF MAGIC PROPOSED BY "THE GREAT BEAST 666 - TO MEGA THERION",

THE FIN DE SIÈCLE'S MOST NOTORIOUS OCCULTIST ALEISTER CROWLEY [1875-1947], WHO AS AN EXHAUSTED HEROIN ADDICT AT THE END OF HIS LIFE, BEGAN TO BELIEVE THAT HE WAS A VAMPIRE: "MAGICK IS THE SCIENCE AND ART OF CAUSING CHANGE TO OCCUR IN CONFORMITY WITH WILL".

MY PERSONAL COMPLAINT WITH CROWLEY'S AND BONEWITS' DEFINITION OF MAGIC IS THAT IT PAYS A TOO GREAT A HOMAGE TO THE AUTHORITY OF SCIENCE SO CHARACTERISTIC OF OUR SECULAR AGE. THE ACTUAL SEPARATION BOTH INTELLECTUALLY AND PRACTICALLY WAS THE RESULT OF THE EFFORTS OF THAT "RENAISSANCE GENIUS" LEONARDO DA VINCI [1452-1519]. AT THE END OF THE INTERNATIONAL GOTHIC PERIOD, HE LITERALLY DEFINED FROM

A BACKGROUND OF ALCHEMY WHAT WE NOW CALL ART AND WHAT WE NOW CALL SCIENCE. AND, OF COURSE, HE GAVE US EXAMPLES OF BOTH FROM HIS OWN WORK.
HIS SEVERING OF THINKING FROM FEELING STILL REVERBERATES IN OUR CENTURY SO THAT WE CAN SAY WITH PROFESSOR BARNHARDT [WHO ANSWERS WITH A COMPLETE APOTHEOSIS OF THE HUMAN EGO THE QUESTION PUT TO HIM BY THE CHRIST-LIKE KLAATU - THE ALIEN FROM THE 1951 MOVIE "THE DAY THE EARTH STOOD STILL" - ABOUT THE RELATIONSHIP BETWEEN FAITH AND HUMAN SCIENCE] "IT ISN'T FAITH THAT MAKES GOOD SCIENCE, BUT CURIOSITY".
LEONARDO TAKING YET ANOTHER BITE, FOR THE SAKE OF HUMANITY, FROM THE FRUIT OF THE TREE OF THE KNOWLEDGE OF GOOD AND EVIL, BROUGHT TO A CLOSE THE OLD SCHOOL OF MAGICIANS REPRESENTED BY HENRICUS CORNELIUS AGRIPPA VON NETTESHEIM [1486-1535], WHO WROTE AN ENCYCLOPEDIA OF MAGIC CALLED "DE OCCULTA PHILOSOPHIA LIBRI TRES" [WRITTEN IN 1510-11 AND PUBLISHED IN 1531-33]. SOON FRANCIS BACON [1561-1626] AND RENÉ DESCARTES [1596-1650] MADE IT CULTURALLY AND POLITICALLY IMPOSSIBLE FOR SIR ISAAC NEWTON [1642-1727] [WHO WE NOW CALL THE FATHER OF CLASSICAL MECHANICS - THE BIRTH OF MODERN PHYSICS] TO CONTINUE WITH THE

WORK HE PRIZED ABOVE ALL — ALCHEMY [EXCEPT, OF COURSE ON THE SLY]. EVEN THE OCCULTIST H.P. BLAVATSKY [1831-1891] THE FOUNDER OF THEOSOPHY ESCHEWED THE TRADITIONAL GOËTIC BELIEF THAT THE PRACTICE OF INCANTATION CAN INSTANTIATE THE THAT ENTITIES ONCE JOINED MUST REMAIN FOREVER JOINED, AND THAT ENTITIES THAT HAVE BEEN PHYSICALLY SEVERED WILL ATTEMPT TO REJOIN, OR AT THE VERY LEAST WILL CREATE A POSITIVE ATTRACTION. EXAMPLES WOULD BE A CHIP FROM A ROCK TRYING TO REJOIN THE ROCK, OR BITS OF HAIR, NAILS, SKIN, BLOOD, OR BONES ONCE REMOVED FROM A BIOLOGICAL ENTITY MAY BE USED IN BEHALF OF OR AGAINST THAT ENTITY IN AN IMPASSIONED IN A MAGIC RITUAL BY A COMPETENT THAUMATURGIST. IT WAS REALLY ONLY WILLIAM SHAKESPEARE [1564-1616] THE FAMOUS ENGLISH MANNERIST PLAYWRIGHT [A GENIUS EQUAL TO LEONARDO], WHO IN HIS LAST PLAY THE PROTO-BAROQUE MASTERPIECE "THE TEMPEST" DEFINED THE FUTURE OF MAGIC AS THE HYPER-PERSONALISM OF THE NEO-PLATONIC TASK, WHICH SEEKS RELATIONS WITH THE INVISIBLE WORLD OF WHAT WE NOW CALL THE SUPER-NATURAL. THERE IS AN INTENSE DESIRE TO TOUCH IT, MAKE IT BECOME

MATERIAL AND EVEN USE TO OUR ADVANTAGE. THIS IS THE THEORY OF THE VEDIC TULPA [SEE FIGURE ONE] WHICH ESTABLISHES A SPECTRUM of MANIFESTATIONS OR DEGREES OF EMBODIMENT, THAT PROCEEDS FROM THE PURE NOTHINGNESS OF BEING IN PERFECT CONTINUITY TO THE COMPLETE CHANCE AND CHAOS OF BECOMING. IN OTHER WORDS THE SMOOTH TRANSITION FROM THAT WHICH HAS NO HISTORY TO THAT WHICH HAS ONLY HISTORY.

PROSPERO THE HERO OF "THE TEMPEST" IS CAST AT FIRST AS A WORLDLY WIZARD, ALMOST SEDUCED BY BACONIAN SCIENCE WITH ITS FREEDOM TO ACT IN NATURE WITHOUT CONCERN FOR THE METAPHYSICAL, AVOIDINGS WORDS, AND USING ONLY IMPERSONAL TECHNIQUES TO SUCCEED. AT THE END OF THE PLAY PROSPERO FINALLY RECOGNIZES CALIBAN [THAT MONSTROUS OFFSPRING OF THE WITCH SYCORAX] AS HIS OWN: "; THIS THING OF DARKNESS I ACKNOWLEDGE MINE".

WHAT CALIBAN REPRESENTS IS REAL MAGIC IN WHICH THE MAGICIAN MUST BE ENTIRELY INVOLVED IN THE THAUMATURGICAL PROCESS. IN MODERN PARLANCE THIS WOULD BE THE CONSCIOUS MIND THAT BELIEVED IT TO BE FREE OF EVERYTHING BUT REASON, SUDDENLY RECOGNIZES THE EXISTENCE OF THE UNCONSCIOUS WITH ITS INFINITE

STORAGE OF DARK DESIRES THAT ARE TOTALLY IRRATIONAL. IN THIS CASE THE MAGIC IS REASON ACTUALLY PERSUADING THE IRRATIONAL TO A CONTROLLED ACTIVITY - IN THE MAGICAL RELATION BETWEEN THE HUMAN WORLD AND THE INHUMAN COSMOS, IT CAN NO LONGER BE SYMBOLIC BUT MUST BE EXISTENTIAL TO BE EFFECTIVE.

JUST BEFORE PROSPERO'S ACQUIESCENCE TO THE DARK MAGICAL FORCE OF CALIBAN, PROSPERO'S DAUGHTER MIRANDA FORTELLS HIS CHANGE OF HEART: "O WONDER!. HOW MANY GOODLY CREATURES ARE THERE HERE!. HOW BEAUTEOUS MANKIND IS!; O BRAVE NEW WORLD THAT HAS SUCH PEOPLE IN'T!". TO WHICH PROSPERO RESPONDS: "'TIS NEW TO THEE". HE KNOWS WHAT IS COMING, OR THINKS HE DOES. BEFORE HE FULLY REALIZES JUST WHAT CALIBAN IS HE ACTS LIKE ARTHUR C. CLARKE DOES IN OUR OWN TIME - STILL TRYING TO HANG ON TO THE INTELLECTUAL AUTHORITY AND POLITICAL POWER THAT SCIENCE AS A BUREAUCRATIC PRACTICE HAS DEVELOPED, WHILE SNIFFING AROUND TRADITIONAL MAGIC, WONDERING AS EVEN THE MOST SCEPTICAL OF SCIENTISTS MUST AT SOME TIME IN THEIR CAREERS WONDER ABOUT, THE INTRIGUING POSSIBILITY THAT SOME MAGICAL PRACTICES MIGHT JUST WORK!

SHAKESPEARE'S REFERENCE TO THE "HYPER-PERSONALISM OF THE NEO-PLATONIC TASK" GOES BACK TO THE "TIMAEUS" OF PLATO [WHICH IS HIS COSMOLOGY AND ONE OF THE LAST DIALOGUES] - SECTIONS 50 [A] AND [B]. TIMAEUS OF LOCRI IS IN THE ACT OF DESCRIBING THE RELATIONSHIP BETWEEN THE ETERNAL FORMS, THE COPIES [OR THE APPEARANCES OF NATURE THAT WE EXPERIENCE] AND THE "NURSE OF BECOMING" WHICH TIMAEUS/PLATO CALLED AT FIRST BY THE NEUTRAL TERM "THE RECEPTACLE" AND HE FINALLY ADMITS IT TO BEING THE TOTAL EXTENT OF THE SPACE OF THE UNIVERSE: " THE SAME ARGUMENT APPLIES TO THE NATURAL RECEPTACLE OF ALL BODIES. IT CAN ALWAYS BE CALLED THE SAME BECAUSE IT NEVER ALTERS ITS CHARACTERISTICS. FOR IT CONTINUES TO RECEIVE ALL THINGS, AND NEVER ITSELF TAKES A PERMANENT IMPRESS FROM ANY OF THE THINGS THAT ENTER IT; IT IS A KIND OF NEUTRAL PLASTIC MATERIAL ON WHICH CHANGING IMPRESSIONS ARE STAMPED BY THE THINGS WHICH ENTER IT MAKING IT APPEAR AT DIFFERENT TIMES. AND THE THINGS WHICH PASS IN AND OUT OF IT ARE COPIES OF ETERNAL REALITIES, WHOSE FORM THEY TAKE IN A WONDERFUL WAY THAT IS HARD TO DESCRIBE - WE WILL FOLLOW THIS SOME OTHER TIME". BUT PLATO NEVER DOES. IT IS OBVIOUS, OF COURSE, THAT: "A WONDERFUL WAY THAT IS HARD TO DESCRIBE", REFERS TO THE PRACTICE OF MAGIC.

NUMENIUS OF APAMEA [2ND CENTURY A.D.], A NEO-PYTHAGOREAN HELPED BEGIN NEO-PLATONISM. AMMONIUS SACCAS [175-242 A.D.] BORN A CHRISTIAN BUT CONVERTED TO HELLENISM WAS THE TEACHER OF THE EGYPTO-ROMAN PHILOSOPHER PLOTINUS [204-270 A.D.]- THE GREATEST OF THE NEO-PLATONISTS. ALL THREE AND ESPECIALLY PLOTINUS [WHO WROTE 54 TREATISES ARRANGED INTO SIX SETS OF NINE BY PORPHYRY [232-304 A.D.] HIS DISCIPLE, AND WERE CALLED "THE ENNEADS"] ATTEMPTED TO EXPLAIN THIS PASSAGE IN "THE TIMAEUS" AS AN ALMOST MECHANICAL DESCRIPTION OF THE MYSTICAL EXPERIENCE AND THEREFORE ACCEPTED THE TRANSITION OF ETERNITY TO TIME BY MEANS OF THE NATURE OF SPACE AS THE WAY IN WHICH MAGIC WORKS. ALTHOUGH IT IS NOW A CLICHE' OF CONTEMPORARY PHYSICS THAT CERTAIN ASPECTS OF ALBERT EINSTEIN'S [1879-1955] SPECIAL AND GENERAL THEORIES, SUCH AS: IN ORDER TO PRESERVE THE INVARIANCE OF THE SPEED OF LIGHT ACROSS VARIOUS INERTIAL FRAMES OF REFERENCE YOU MUST ACCEPT AS FACT THAT (1) SPATIAL MEASURING DEVICES DIMINISH IN SIZE IN THE DIRECTION OF THE TRANSLATIONAL MOTION OF A MASS AND (2) CLOCKS WILL RUN SLOWER IN RELATION TO THE MASS IN MOTION

THAN THE CLOCKS MONITORING A MASS DEFINED AT REST; OR WERNER HEISENBERG'S [1901-1976) UNCERTAINTY PRINCIPLE WHICH STATES THAT IT IS IMPOSSIBLE TO DISCERN SIMULTANEOUSLY AND WITH ACCURACY BOTH THE POSITION AND THE MOMENTUM OF A SUBATOMIC ENTITY [SUCH AS AN ELECTRON THAT HENCEFORTH IS CONSIDERED NEITHER A WAVE NOR A PARTICLE] — THESE AND MANY OTHER ASPECTS OF PHYSICS AS WE ENTER THE NEXT MILLENNIUM THAT ARE DEFINED TO GENERAL PUBLIC AS INEXPLICABLE EXCEPT BY THE MATHEMATICAL INCANTATIONS OF THE INITIATED. ALL OTHERS MUST ACCEPT THESE ASPECTS OF SCIENCE AS EXAMPLES OF "PARADOX". BUT THEY ARE NOTHING OF THE KIND. THEY ARE IN FACT EXAMPLES OF THE GRADUAL RE-EMERGENCE INTO CULTURAL CONSCIOUSNESS OF THE FACT THAT NATURE IS AT BASE MAGICAL RATHER THAN IN CONFORMITY TO THE PRINCIPLES AND EVER DEVELOPING PROCEDURES OF NATURAL SCIENCE.

BECAUSE CONSCIOUSNESS IS NOW BEING RECOGNIZED ON AN EQUAL FOOTING WITH MASS AND ENERGY IN PHYSICS, DIEHARDS FOR THE SUPREMACY OF HUMAN SCIENCE OVER NATURAL MAGIC, WISH TO DEFINE MAGIC AS "MIND-PHYSICS" OR "THE PHYSICS OF CONSCIOUSNESS", BECAUSE CONSCIOUSNESS IS NOT DIRECTLY SUBJECT TO THE RULES OF SCIENTIFIC INVESTIGATION,

AND YET CAN NOT BE IGNORED OR GAINSAYED OUT OF EXISTENCE, IT IS, THEREFORE, CONSIDERED, NEVERTHELESS, TO BE ENOUGH "SECULAR" TO EFFECTIVELY FOB OFF MAGIC.

MOST WORLD RELIGIONS AND WESTERN ALCHEMY IN PARTICULAR, HAVE POSTULATED A TRIPARTITE THEORY OF NATURAL MAGIC. GIVEN THE SACRED CONCEPTS OF THE BODY, THE SOUL, AND THE SPIRIT [WHICH IN THE 18TH CENTURY WERE TRANSLATED INTO THEIR SECULAR FORMS OF: MASS, CONSCIOUSNESS, AND ENERGY]. THE THEORY STATES THAT THERE EXISTS THREE MODALITIES OF DIVINE REVELATION: ① THE SACRAMENTAL REVELATION OF THE BODY [OBJECTIVE MAGIC], ② THE PROPHETIC REVELATION OF THE SOUL [SUBJECTIVE MAGIC] AND ③ THE MYSTICAL REVELATION OF THE SPIRIT [PROJECTIVE - SUBSUMING YET TRANSCENDING BOTH THE OBJECTIVE AND THE SUBJECTIVE - MAGIC].

PRACTITIONERS OF CONTEMPORARY FEEL THAT HAVING SUCCESSFULLY SUBSTITUTED CLASSICAL MECHANICS FOR OBJECTIVE MAGIC [THAT IS EXPLAINED IT OUT OF EXISTENCE] THEY CAN NOW MOVE ON TO A REINTERPRETATION OF SUBJECTIVE MAGIC, IN HOPE THAT THEY CAN COMPLETE THEIR TASK IN THE FUTURE - THAT IS ELIMINATING PROJECTIVE MAGIC [THE MYSTICAL REVELATION OF THE SPIRIT].

THE MODERN CATHOLIC CHURCH WHICH MUST VERIFY ITS CANDIDATES FOR SAINTHOOD BY FOUR AUTHENTIC MIRACLES CONNECTED WITH THEIR LIVES OVER THE PAST 200 YEARS HAS INCREASING CALLED UPON THE INVESTIGATORY PROCEDURES OF SCIENCE TO HELP WINNOW OUT THE MIRACULOUS WHEAT FROM THE CHAFF. AS AN EXAMPLE AT LOURDES FRANCE- THE HEALING SHRINE OF SAINT BERNADETTE SOUBIROUS - A MIRACLE MEDICAL BUREAU WAS FOUNDED IN 1883, WHICH SINCE 1954 HAS SENT CASE DOSSIERS OF CURES THAT SEEM SCIENTIFICALLY INEXPLICABLE TO WHAT IS KNOWN AS THE INTERNATIONAL MEDICAL COMMITTEE OF LOURDES. THE COMMITTEE IS COMPOSED OF PHYICIANS AND MEDICAL RESEARCHERS FROM SEVERAL NATIONS WHICH MEET ONCE A YEAR IN PARIS. OVER THE YEARS LESS AND LESS CASES ARE DEFINED AS MIRACLES; AND YET THE MIRACLES JUST KEEP ON COMING AS OVER 100,000 PEOPLE SHOW UP AT THE SHRINE EACH YEAR TO LOGIN THOUSANDS OF PERSONAL TESTIMONIALS OF CURES. IT SEEMS THE CHURCH IS DETERMINED TO RID ITSELF OF THE ODOR OF MEDIEVALISM, WHILE MILLIONS OF THE SICK AND INJURED AROUND THE WORLD SEEK THE POWER OF OBJECTIVE MAGIC DAILY AND ARE HEALED IN WAYS THAT ARE NOT JUST PSYCHOSOMATIC. THE CHURCH WAS AND STILL IS, OF COURSE, ALLOWING ITS OWN CONCEPT OF THE MIRACLE TO BE DEFINED NEGATIVELY IN RELATION TO SCIENCE, IF YOU DEFINE SOMETHING AS "SCIENTIFICALLY INEXPLICABLE" IT DOES

NOT MEAN THAT YOU BELIEVE IN MAGIC, ONLY THAT AT THIS POINT IN HISTORY SCIENCE CAN NOT ANALYZE A PARTICULAR PHENOMENON, BUT IT MIGHT BE ABLE TO IN THE FUTURE. TO ACHIEVE A MORE POSITIVE VISION OF MAGIC AS A COMPLETE KNOWLEDGE SYSTEM UNTO ITSELF, YOU HAVE TO RECOGNIZE THAT, ON THE ONE HAND, IT DOES NOT INHIBIT HUMAN CURIOSITY, BUT, ON THE OTHER HAND, IT POSSESSES THE ETHICAL LIMITS OF ABSOLUTE GOOD AND ABSOLUTE EVIL. IN OTHER WORDS IT HAS NO SECULAR BUFFERING TO THE VEDIC CONCEPT OF KARMA [THE MORAL LAW OF CAUSE AND EFFECT]. SECULAR SCIENCE IS BUILT ON THE PREMISES OF SITUATIONAL ETHICS: A SYSTEM OF ETHICS BY WHICH ACTS ARE JUDGED WITHIN THEIR CONTEXTS INSTEAD OF BY CATEGORICAL PRINCIPLES, OR WHEN THE ACTION IS OVER SOME EXPERT IN ETHICS IS BROUGHT IN TO SIMPLY JUSTIFY THE RESULT.
RIGHT UP UNTIL THE VERY LAST MOMENT ON JULY 16, 1945, ROBERT OPPENHEIMER [1904-1967), THE AMERICAN PHYSICIST AND HEAD OF "THE MANHATTAN DISTRICT PROJECT", WHEN HE PERFORMED THE FIRST TEST OF THE ATOMIC BOMB, THERE WAS NO HINT TO HIS SCIENTIFICALLY TRAINED MIND OF ABSOLUTE EVIL HE WAS ABOUT TO RELEASE. THE SPLIT SECOND RIGHT THE BLAST, THE VISION OF THE GIGANTIC MUSHROOM CLOUD ENTERED HIS CONSCIENCE AND FORCED HIM INTO A BITTER MOMENT OF REMORSE AND MAGIC.

EXAMPLES OF OTHER MAGIC MOMENTS IN HISTORY, ALBEIT NOT SO DRAMATIC BUT NO LESS MAGICAL WOULD BE:

① WHEN EINSTEIN WAS TRYING TO DISCOVER AN EXPLANATION FOR GRAVITY [NEWTON HAD DESCRIBED IT AS AN "ACTION AT A DISTANCE", TO WHICH NEWTON'S NEMESIS, GOTTRIED WILHELM LEIBNIZ [1646 ~ 1716] SAID IT MUST BE SOME "OCCULT MIRACLE OF NATURE"], EINSTEIN THOUGHT GRAVITY MIGHT BE A QUESTION OF MATTER DISTORING SPACE-TIME. BUT THINKING AGAIN HE CONCLUDED THAT MATTER IS ACTUALLY THE DISTORTION IN SPACE-TIME. THIS IS MAGICAL BECAUSE IT SUGGESTS THAT THERE IS NO GRAVITY, NO MATTER, NO ENERGY, ONLY SPACE-TIME ITSELF ENDURING THE AGONY OF BIRTH. [SHADES OF PLATO'S "NURSE OF BECOMING"];

② IN THE YEAR 700 A.D. IN LANCIANO ITALY, A MONK OF THE ORDER OF ST. BASIL, WHILE SERVING MASS SUSTAINED A BOUT OF AGNOSTICISM ABOUT THE REALITY OF THE CHURCH'S DOCTRINE OF TRANSSUBSTANTIATION. RIGHT IN FRONT OF HIMSELF AND HIS CONGREGATION, THE EUCHARISTIC HOST OF BREAD AND THE WINE IN THE CHALICE TURNED INTO A CIRCLE OF FLESH AND A PORTION OF BLOOD. OVER THE YEARS THE FLESH REMAINED INTACT AND FRESH BUT THE BLOOD IN THE CHALICE DRIED INTO 5 PELLETS OF UNEQUAL SIZE, OF WHICH IT WAS DISCOVERED THAT ANY ONE OF THE PELLETS WOULD WEIGH THE

SAME AS ALL FIVE PELLETS WEIGHED TOGETHER. THE PELLETS WOULD CYCLE INTO FRESH BLOOD ABOUT ONCE EVERY 50 YEARS. IN 1713 SPECIMENS WERE PLACED IN AN OSTENSORIUM WHERE THE BLOOD CYCLE CONTINUED. BY 1970 THESE PRODIGIES WERE EXAMINED IN THE LABORATORY OF THE HOSPITAL IN AREZZO ITALY. THE FLESH WAS DISCOVERED TO BE STRIATED MUSCULAR TISSUE OF THE MYOCARDIUM [THE HEART WALL] OF HUMAN ORIGIN. ALSO THE BLOOD WAS FOUND TO BE TYPE AB POSITIVE AND HUMAN;

(3) IN A TEXTBOOK WRITTEN IN 1957 ON THE SUBJECT OF APPLIED STRENGTH OF MATERIALS I FOUND THE FOLLOWING PASSAGE: "THE MOMENT OF INERTIA IS THE PRODUCT OF AN AREA AND THE SQUARE OF A DISTANCE. IF THE AREA IS IN SQUARE INCHES AND THE DISTANCE IN INCHES, THE PRODUCT WILL BE IN INCHES TO THE FOURTH POWER. THAT IS, $(IN.^2) \times (IN.^2) = IN.^4$ THIS UNIT HAS NO PHYSICAL CONCEPTION".;

(4) MODERN COLLEGE PHYSICS: CIRCA 1948, SUBJECT, VIRTUAL IMAGES. "REAL IMAGES ARE DEFINED AS THOSE WHICH CAN BE FORMED ON A SCREEN AND ARE CHARACTERIZED BY THE FACT THAT RAYS OF LIGHT ARE ACTUALLY BROUGHT TOGETHER TO A FOCUS THERE. VIRTUAL IMAGES ARE NOT REAL, THEY CANNOT BE FORMED ON A SCREEN, AND THE RAYS FROM DIFFERENT POINTS ON THE OBJECT DO NOT PASS THROUGH CORRESPONDING POINTS IN THE IMAGE. VIRTUAL IMAGES MAY BE OBSERVED

WITH A CONVERGING LENS BY PLACING AN OBJECT CLOSE TO THE LENS AND INSIDE THE FOCAL POINT, OR BY A DIVERGING LENS WITH THE OBJECT AT ANY POINT.";

(5) EXCEEDING THE SPEED OF LIGHT IN THE KITCHEN: IN NICK HERBERT'S BOOK "SUPERLUMINAL LOOPHOLES IN PHYSICS" © 1998, HE DESCRIBES HOW TO DO IT SIMPLY BY TAKING A PAIR OF SCISSORS OUT OF A KITCHEN DRAWER AND OPENING AND CLOSING THEM: "CONSIDER A PAIR OF SCISSORS. AS THEY CLOSE, THE NOTCH WHERE THE TWO BLADES MEET MOVES OUT TOWARD THE SCISSOR'S TIP WITH A VELOCITY THAT INCREASES AS THE ANGLE BETWEEN THE BLADES GETS SMALLER. WHEN THE BLADES BECOME PARALLEL, THIS NOTCH VELOCITY IS INFINITE. FOR VERY LONG SCISSORS, THE VELOCITY OF THE INTERSECTION CAN EXCEED THAT OF LIGHT DURING THE LAST INSTANT OF CLOSURE. BECAUSE THE SCISSOR'S BLADES ARE MASSIVE, THEY MUST ALWAYS MOVE SLOWER THAN LIGHT, BUT THE INTERSECTION OF THE BLADES IS <u>MASSLESS</u>, A MERE GEOMETRIC CONCEPT, AND IS NOT SUBJECT TO ANY RELATIVISTIC MASS INCREASE.";

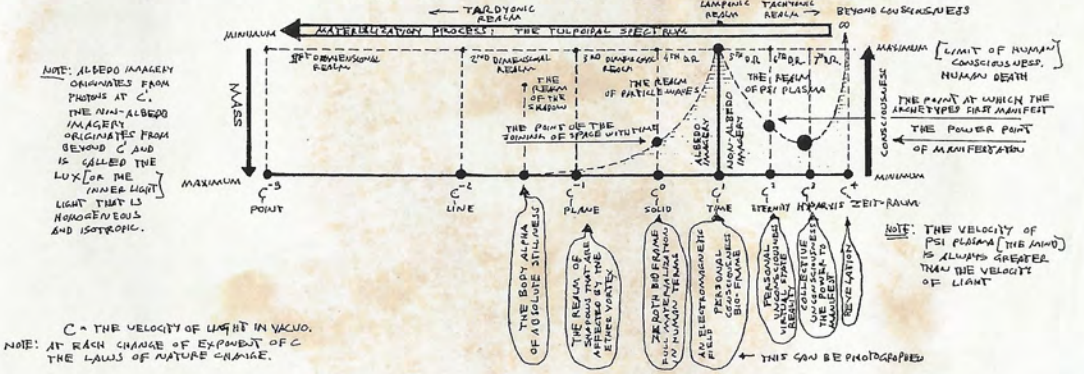
(6) LENE HAU, AN ATOMIC PHYSICIST AT THE ROWLAND INSTITUTE FOR SCIENCE, INC. IN CAMBRIDGE MASSACHUSETTS, AND ALSO AN ASSOCIATE OF THE HARVARD PHYSICS DEPARTMENT HAS SUCCEEDED IN SLOWING DOWN THE VELOCITY OF LIGHT TO 17 METERS PER SECOND OR

APPROXIMATELY 38 MILES PER HOUR. SHE USES THE BOSE-EINSTEIN CONDENSATE [CONDENSED ATOMS NEAR ABSOLUTE ZERO] TO CREATE A NEW OPTICAL MEDIUM. EVENTUALLY SHE EXPECTS TO SLOW LIGHT-SPEED DOWN TO ONE CENTIMETER PER SECOND. WHEN THAT HAPPENS EVERYONE WILL BE ABLE TO REACH OUT AND TOUCH A LIGHT BEAM, AND BEND IT IN THE INTERACTIVE MANNER THAT SOME PSYCHICS CAN DO NOW WITH A LASER BEAM. ALSO AT THAT MOMENT HAU WILL HAVE LEFT PHYSICS AND ENTERED ALCHEMY;

(7) OVER THE PAST 30 YEARS THERE HAVE BEEN WRITTEN A SPATE OF BOOKS THAT POPULARIZE CERTAIN TECHNICAL ASPECTS OF SCIENCE AND ISSUES OF FUTUROLOGY. THESE BOOKS HAVE GRADUALLY BEEN INCREASING IN SOPHISTICATION AS WRITERS IN THIS NEW GENRE HAVE GAINED WIDER AUDIENCES. ADMITTEDLY THIS VENTURE IS MARKET DRIVEN, BUT THE WORKS SELECTED FOR PRINT ARE A QUIET RELIEF FROM THEIR NEAREST COMPETITOR- "NEW AGE" PAP. NOT NEAREST IN TERMS OF INTELLECTUAL CONTENT, OF COURSE, BUT NEAREST ON THE BOOKSTORE SHELVES AND IN THE MEDIA. BUT ONCE IN A WHILE AN EXAMPLE OF THE "REAL STUFF" MAKES IT TO THE BESTSELLER LIST, AND SUCH IS A BOOK CALLED "STRUCTURAL STABILITY

AND MORPHOGENESIS" BY PROFESSOR RENÉ THOM. HIS BOOK PRESENTS A GENERAL THEORY OF MODELING ALL THINGS FROM PHILOSOPHICAL PROPOSITIONS TO BIOLOGICAL ENTITIES. FIRST WRITTEN IN 1972 IT QUICKLY BECAME COMPARED TO NEWTON'S PRINCIPA" FOR PRESENTING A NEW VISION OF NATURE. THOM WHO IS ONE OF TODAY'S LEADING MATHEMATICIANS HAS CONVERGED ALGEBRAIC AND DIFFERENTIAL TOPOLOGY, CATASTROPHE THEORY, AND LINGUISTICS WITH BIOLOGY. HE HAS BEEN ACCUSED OF PROMOTING A GEOMETRICAL NEO-VITALISM BY THOSE WHO HAVE MISUNDERSTOOD HIS WORK. WHILE OTHER WRITERS IN THIS GENRE SKIRT THE SUBJECT OF MYSTICISM LINKED WITH CONTEMPORARY SCIENCE IN ORDER TO ATTRACT READERS WHO ARE SEEKING "SPIRITUAL VALUES" IN THEIR LIVES, THOM GOES RIGHT PAST THESE PEOPLE AND OVER THE EDGE INTO THE REALM OF PLATONIC MAGIC. FROM HIS NOTES TO THE TEXT: "I HAVE TWICE ALLOWED MYSELF TO TRANSLATE THE HERACLITEAN "LOGOS" AS "FORM". ALLOWING THAT TO HERACLITUS THE "LOGOS" IS THE FORMAL STRUCTURE THAT ASSURES FOR ANY OBJECT ITS UNITY AND ITS STABILITY, I AM CONVINCED THAT THIS PARTICULAR USE OF THE WORD "FORM" [MEANING THE EQUIVALENCE CLASS OF STRUCTURALLY STABLE FORMS] IN THIS BOOK IS A REASONABLY GOOD APPROXIMATION"; OR "IT IS STRIKING HOW ALL PAST AND

PRESENT TECHNIQUES OF FORETELLING THE FUTURE DEPEND ON THE FOLLOWING PRINCIPLE: A GENERALIZED CATASTROPHE [TEA LEAVES IN A CUP, LINES ON THE PALM OF A HAND, DRAWING OF CARDS, THE SHAPE OF A CHICKEN'S LIVER, ETC.) IS STUDIED AND ITS MORPHOLOGY IS THEN ASSOCIATED, BY A SUITABLE ISOMORPHISM, WITH THE PREOCCUPATIONS AND DIFFICULTIES OF THE CLIENT. THIS METHOD IS NOT ABSURD INSOFAR AS THE DYNAMIC OF MORPHOGENESIS MAY CONTAIN LOCAL ACCIDENTAL ISOMORPHISMS WITH THE DYNAMIC OF HUMAN SITUATIONS, AND OFTEN A GIFTED SOOTHSAYER MAY WELL ELICIT SOME VALUABLE CONCLUSIONS FROM THIS EXAMINATION. TO CLASSIFY THESE ISOMORPHISMS IN SOME DEFINITIVE MANNER WOULD BE TO EMBARK ON THE CHARACTERISTIC FORM OF DELIRIOUS THOUGHT."; AND FINALLY: "WE SHALL SEE IN CHAPTER 13 THAT CLASSICAL EUCLIDEAN GEOMETRY CAN BE CONSIDERED AS MAGIC; AT THE PRICE OF A MINIMAL DISTORTION OF APPEARANCES (A POINT WITHOUT SIZE, A LINE WITHOUT WIDTH] THE PURELY FORMAL LANGUAGE OF GEOMETRY DESCRIBES THE REALITY OF SPACE. WE MIGHT SAY, IN THIS SENSE, THAT GEOMETRY IS SUCCESSFUL MAGIC. I SHOULD LIKE TO STATE A CONVERSE: IS NOT ALL MAGIC, TO THE EXTENT THAT IT IS SUCCESSFUL, GEOMETRY." TO WHICH I CAN ONLY ADD: QUID PRO QUO - [SOMETHING FOR SOMETHING].

FIGURE ONE: THE TULPA

THE TULPOIDAL INDEX OR SPECTRUM: The tulpa is a Tibetan Buddhist term for the materialized "transformation body"(the tulku) from one lifetime to the next - the discovered reincarnation of a previously deceased person. In psychical research the tulpa has come to mean projections from the collective unconscious materialized into the ordinary physical world with 3 states: (1) virtual state reality, (2) bio-frame(an electromagnetic field which can be photographed), and (3) the so-called Zeroth Bioframe(full materialization). We are extending, therefore, the current defintion of the tulpa in order to postulate the tulpoidal index: