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*Uneasy Lies the Head  
That Wears a Crown*

ROBERT LOUIS STEVENSON WROTE, IN A CHILD'S GARDEN OF VERSES -  
"THE WORLD IS SO FULL OF A NUMBER OF THINGS, I'M SURE WE SHOULD  
ALL BE "AS HAPPY AS KINGS".

SOME OF OUR OPINIONS OF KINGS COME FROM EARLY STORIES AND MOTHER  
GOOSE RHYMES AND BITS OF HISTORY.

"MERRY - CARE FREE KINGS" -

OLD KING COLE WAS A MERRY OLD SOUL - A MERRY OLD SOUL  
WAS HE - HE CALLED FOR HIS PIPE - HE CALLED FOR HIS BOWL -  
AND HE CALLED FOR HIS FIDDLERS THREE."

AND - THE KING WAS IN HIS COUNTING HOUSE COUNTING OUT HIS MONEY -  
THE QUEEN WAS IN THE PARLOR, EATING BREAD AND HONEY - THE  
MAID WAS IN THE GARDEN - HANGING OUT THE CLOTHES - WHEN  
DOWN CAME A BLACKBIRD AND SNIPPED OFF HER NOSE.

OTHER KINGS WHOSE NAMES ARE OFTEN USED IN LITERATURE COULD BE:

KING DAVID, KING SOLOMON, KING ARTHUR, GEORGE III OF  
AMERICAN REVOLUTION, KING HENRY VIII. IN MORE MODERN TIMES  
WE HAVE RULERS WHO EXCEED ANY KING IN POWER AND IMPORTANCE -  
KING, ROOSEVELT, KENNEDY, REAGAN, CLINTON.

WHEN OUR MINDS GET BEYOND THE CHILDISH IDEAS OF KINGS, WE MUST  
ENTER THE PRACTICAL CRUEL WORLD WHICH SHAKESPEARE RECOGNIZED AS  
WELL AS ANYONE; HAVING THESE WORDS IN ONE OF HIS PLAYS:

"UNEASY LIES THE HEAD THAT WEARS A CROWN".

THERE ARE ALWAYS MANY PEOPLE WHO WORK FOR, AND PLOT WAYS TO ROLL OFF THE HEAD OF A RULER; WHOSE HEAD MORE THAN THOSE OF OUR DOMINANT POLITICAL PARTY LEADERS OR OFFICE HOLDERS OR MILITARY DICTATORS. SO - WHAT ABOUT BEING AS HAPPY "AS KINGS". OUR WORLD IS FULL OF MANY STATES, NATIONS, AND THEIR SUBDIVISIONS: COUNTIES, TOWNS - ALL OF WHICH ARE SO PLAGUED WITH SUCH AN ARRAY OF PROBLEMS THAT THEIR POLITICAL HEADS MUST ALWAYS LIE "UNEASY".

WAR-CRIME ACCIDENTS, ACTS OF VIOLENCE, FRAUD, SELFISHNESS, GREED; CONCERNS FOR HEALTH CARE AND FOR RESOURCES OR INCOME TO SUPPORT A QUIET COMFORTABLE LIFE AND RETIREMENT AND OLD AGE.

SINCE BEGINNING TO TAKE NOTES ON SUBJECTS THAT MIGHT BE INCLUDED AMONG THE NUMBER OF THINGS THAT FILL OUR WORLD AND MAKE US AS HAPPY AS KINGS, SEVERAL NEW THINGS HAVE APPEARED IN OUR NEWSPAPERS.

ONE OF THESE RELATES TO SCAR TISSUE WHICH DEVELOPS AFTER SURGERY OR FROM CORRECTIVE OR COSMETIC SURGERY TO HEAL THE UGLY WOUNDS FROM A CAR WRECK OR THE LIKE. BESIDES GIVING A DISFIGURING IMAGE, THIS SCAR TISSUE CAN CAUSE IMPAIRMENT OF MUSCULAR FUNCTIONS AND LEAD TO BEING DISABLED.

IT APPEARS IN MEDICAL RECORDS THAT SURGERY HAS RATHER ROUTINELY BEEN PERFORMED ON UNBORN FETUS WHICH AT BIRTH HAD A COMPLETE LACK OF ANY SCAR, NOR DID SUCH SCARS EVER DEVELOP. THIS LED SURGEONS TO AN EFFORT TO DUPLICATE THE ENVIRONMENT OF AN UNBORN FETUS AND THESE STUDIES AND INNOVATIONS HAVE LED TO REPAIR WORK ON THE HUMAN FLESH THAT LEAVES NO SCARS.

ANOTHER GOES BACK TO THE MARVELS OF WORKING WITH GENES AND CHROMOSOMES AND SUCH WORK AS LED TO RECENT AWARDS OF A NOBEL PRIZE FOR EXPERIMENTS IN GENE SPLITTING.

THE IMPROVING OF LIVESTOCK HAS LED TO ARTIFICIAL INSEMINATION AND AN INDUSTRY THAT COLLECTS AND STORES SEMEN FROM BULLS OF PROVEN ABILITY TO SIRE CALVES WITH THE MOST VALUABLE COMMERCIAL CHARACTERISTICS. THIS SPERM IS FROZEN AND STORED IN THAT STATE UNTIL IT MAY BE USED.

OUR WORLD, AS WELL AS STEVENSON'S INDEED, IS FULL OF A NUMBER OF THINGS. EXCITING IDEAS, SUBJECTS PRESENTED IN THE LIGHT OF A WONDERFUL DEVELOPMENT OF AN EXPANDING MASS OF SCIENTIFIC KNOWLEDGE AND METHODS, ALL OF WHICH COULD, OR ARE, HAVING A STRONG INFLUENCE ON EACH OF US AS AN INDIVIDUAL; AND AS WE RELATE TO OTHERS IN VARIOUS SOCIAL SITUATIONS.

THESE ARE:

1. FIBER OPTICS - COMMUNICATIONS TO SEND AND RECEIVE INFORMATION BY SPOKEN WORDS OR OTHER SOUND, BY VISIBLE IMAGES OF OBJECTS THAT APPEAR IN THREE DIMENSIONS THAT CAN BE ROTATED FOR STUDY FROM ANY DIRECTION AND EVEN FROM WITHIN. ALSO USED IN SOME MIRACULOUS WAY IN INTRICATE DELICATE SURGERY. LIGHT - PROBES
2. THE BRAIN - ITS CONTROL OF OUR BODY AND THE WAY WE FUNCTION AND REPEL OR DESTROY ORGANISMS THAT INVADE OUR BODIES AND UPSET WHAT WE CALL GOOD HEALTH. IT SEEMS THAT THESE GENES, OR THE MICROSCOPIC OR SUB-MICROSCOPIC CELLS THAT ARE PARTS OF IT, CAN BE MODIFIED OR TRAINED TO BE MORE USEFUL TO US.

OUR PHYSICISTS SHOW REASONS TO BELIEVE THAT EVOLUTION OF NEW AND IMPROVED FORMS OF ANIMAL, INSECT, OR PLANT LIFE HAVE COME MORE FROM ACCEPTANCE OF FAVORABLE ENVIRONMENTS AND THE INFLUENCE OF OUR NATIVE GENETIC SYSTEMS RATHER THAN THE OLDER THEORIES OF DARWIN (SURVIVAL OF THE FITTEST). THIS LEAVES ME IN A PUZZLING CONTRADICTION SINCE THE AUTHOR THINKS OUR GENETIC BRAIN SYSTEM HAS EVOLVED AND AUGMENTED AND PERFECTED OVER MILLIONS OF YEARS AND PASSED ON TO PROGENY!! e.g., A STUDY OF BIRDS HAS REVEALED THAT THE YOUNG FLEDGLINGS LEARN TO SING BY HEARING THE REPEATED SINGING OF THEIR ELDERS, BUT WHILE THEY CAN RESPOND TO CALLS OF DISTRESS OR DANGER TO CREATE A CHORUS OF THEIR VOICES; DO NOT CHANGE THEIR OWN CALLS OR SONGS.

A SONG SPARROW RAISED IN ISOLATION WILL NOT BE ABLE TO SING UNTIL EXPOSED TO THE SINGING OF ITS KIND, NOR WILL THEIR COUSINS THE HOUSE SPARROW EVER DEVELOP AN ABILITY TO SING, OR USE ITS VOCAL SYSTEM TO THE EQUAL OF A SONG SPARROW.

THERE HAVE BEEN STUDIES OF THE UNIQUE WAY OUR BRAIN CELLS AND SYSTEM SENDS MESSAGES TO ANY PART OF A BODY WITH INSTRUCTIONS TO MAKE CERTAIN REPAIRS. THESE MESSAGES ARE KNOWN TO TRAVEL WITHIN OUR BODIES AT SPEEDS FAR IN EXCESS OF SPEEDS IN A COMPUTER SYSTEM.

ETC., ETC., see "NATURE'S MIND".

3. MICROBES AND PRIMITIVE FORMS OF LIFE ARE IDENTIFIED AND TRAINED TO DESTROY OR BIOLOGICALLY DEGRADE AND CONVERT USELESS, AND HARMFUL SUBSTANCES INTO A FORM THAT WILL SUPPORT USEFUL PLANT LIFE, FOR OUR FOOD, SHELTER, AESTHETIC PLEASURE OR MEDICINAL USEFULNESS.

NITROGEN FIXING - ONE OF MANY. MICROBES CAN CONSUME, CLEAN UP OIL, AND CHEMICAL SPILLS. ABOUT \$3,000 FOR SUCH MICROBES LABELED "OFF THE SHELF BUGS" AND 2 OR 3 YEARS TIME FOR THEIR WORK COULD SAVE OUR MILLING COMPANY THE \$50,000 IT WILL COST TO GET AN ENVIRONMENTAL APPROVAL TO WAREHOUSE AND BLEND OR PROCESS FOOD ON A SITE THAT HAD UNDERGROUND TANKS THAT COULD OR MAY HAVE LEAKED PETROLEUM PRODUCTS. YET WE CAN PAVE THE SAME AREA WITH "BLACKTOP" - A PETROLEUM PRODUCT??

4. CLONING - IN OUR IMMEDIATE PAST HAVE BEEN STORIES OF CLONING OR PRODUCING EXACT DUPLICATES OF LIFE IN SOME FORM - PLANT OR ANIMAL AND NOW HUMANS.

MARRIED, CHILDLESS COUPLES IN THEIR INTENSE DESIRE TO HAVE A CHILD HAVE USED AN "IN VITREO" METHOD IN WHICH HUMAN EGG AND HUMAN SEMEN ARE STIRRED TOGETHER IN A GLASS OR VITREOUS DISH WHICH BRING ABOUT FERTILIZATION OF THE EGG AND CREATION OF EMBRYOS. A PROCESS HAS NOW BEEN PERFECTED TO DIVIDE A SINGLE EMBRYO INTO THREE OR FOUR PARTS OF WHICH ONE COULD BE IMPLANTED IN A WOMAN'S WOMB TO GROW INTO A NORMAL CHILD. THE UNUSED FRAGMENTS WOULD BE FROZEN AND STORED AND BE USABLE BY THE SAME COUPLE YEARS LATER IF THE COUPLE WANTED A TWIN OR A REPLACEMENT FOR A LOST CHILD. THE ANNOUNCEMENT OF THIS CLONING PROCESS HAS BROUGHT ON A STORM OF DEBATE WITH MANY OPPONENTS, SOME OF WHOM SAY IT SHOULD NOT EVER BE PUBLISHED OR MADE PUBLIC INFORMATION.

THE PROVEN FACT THAT SPERM AND NOW INVITREO EMBRYOS CAN BE STORED IN A FROZEN STATE AND RETAIN THE SAME VIABILITY THEY HAD WHEN REMOVED FRESH FROM AN ANIMAL OR HUMAN BODY DOES NOT MAKE THE WHOLE SUBJECT BELIEVABLE.

ANOTHER STORY THAT INVOLVES OUR NATURAL WORLD OF MINERALS AND SUCH, RATHER THAN A HUMAN BODY: IT IS ABOUT A LONG KNOWN DEPOSIT OF TAR IMPREGNATED SANDS IN ARCTIC AREAS OF ALBERTA CANADA.

THESE SANDS HAVE BEEN REMOVED BY SURFACE MINING AND BY USING EXPENSIVE EQUIPMENT AND HIGH OPERATING COSTS GIVEN LARGE AMOUNTS OF USABLE PETROLEUM, BUT AT A COST PER BARREL SO FAR ABOVE THAT OF THE OPEC OR ARABIAN COUNTRIES THAT THIS OIL DEPOSIT IN ALBERTA WAS NOT COMMERCIALY ATTRACTIVE.

NOW A SMALL TEST PROJECT HAS BEEN PUT INTO OPERATION TO PROVE ITS MERITS. THIS METHOD INVOLVES PRODUCING A LONG TUNNEL INTO THE TARRED SAND DEPOSIT AND FROM IT TWO PARALLEL WELLS - ONE ABOVE THE OTHER WOULD BE RUN INTO THE SANDS. THE UPPER WELL WOULD BE FILLED WITH LOW PRESSURE STEAM TO MELT AND LIQUIFY THE TAR WHICH WOULD DRAIN INTO THE LOWER WELL FROM WHICH IT COULD BE EASILY PUMPED TO THE SURFACE AND MOVED TO STANDARD REFINERIES.

THE KNOWN DEPOSIT OF OIL IN THIS ALBERTA AREA IS OVER 1 TRILLION GALLONS, OR SIX TIMES THE KNOWN RESERVES OF THE OPEC COUNTRIES. THE WHOLE WORLD IS REJOICING AT THE PROSPECT OF BEING COMPLETELY INDEPENDENT OF ARABIAN OIL.

5. DARK MATTER - AND A BIG BANG THEORY OF THE BEGINNING OF OUR UNIVERSE AND MORE ABOUT A CONTINUING PROCESS OF CREATION. THE BIG BANG THEORY OF THE BEGINNING OF OUR UNIVERSE IS NOT NEW. ITS ONLY INTEREST HERE IS THAT OUR NEWEST SOUND WAVE, OPTICAL OR SPACE SATELLITE INSTRUMENT MAY CATCH BITS OF EVIDENCE TO PROVE IT.

DARK MATTER HAS BEEN INVENTED OR DISCOVERED BY MODERN PHYSICISTS TO EXPLAIN ROTATIONAL RATES OF LARGE SPIRAL GALAXIES WHICH SHOW EVIDENCE OF MUCH MORE MASS THAN THEIR EMITTED LIGHT WOULD INDICATE. THIS EXTRA ENERGY THEN IS EXPLAINED AS BEING THE FORCE (MAGNETIC PULL) EXERTED BY THIS DARK MATTER WHICH IS INVISIBLE BUT UNIVERSAL; IN THIS VERY ROOM MAY BE PASSING THROUGH OUR BODIES AND THESE WALLS.

OUR UNIVERSE SHOWS ITSELF TO BE EXPANDING AT A RAPID RATE AND WOULD EVENTUALLY DISAPPEAR INTO OBLIVION - TAKING PLANET EARTH WITH IT.

IT IS COMFORTING THEN TO ACCEPT DARK MATTER AS THE FORCE THAT KEEPS A BALANCE OR EQUILIBRIUM, AVOIDING BEING CRUNCHED INTO A BLACK HOLE OR FLYING AWAY - NEVER TO RETURN.

6. INSTRUMENTS TO OBSERVE OBJECTS AT GREAT DISTANCES, TELESCOPES IN PARTICULAR, HAVE BEEN LIMITED IN POWER TO THE SIZE OF FLAWLESS GLASS THAT COULD BE CAST AND POLISHED TO PRODUCE A MIRROR. THIS HAS BEEN LIMITED TO SUCH 200 INCH INSTRUMENTS AS MT. PALOMAR. NOW HOWEVER, GROUPS OF FIVE OR MORE SMALLER MIRRORS CAN BE MOUNTED AS A CLUSTER FOCUSED BY ALMOST MAGICAL COMPUTERS ON A DISTANT OBJECT OR SPOT SOMEWHERE IN OUTER SPACE, BUT THE SEEING POWER IS FURTHER MULTIPLIED BY HAVING AS MANY AS SIX OF THESE FOCUSED AS A SINGLE MIRROR, JUST LIKE THE MAGNETIC RAY INSTRUMENTS, TO REVEAL FACTS NEVER KNOWN BEFORE. PHYSICISTS BELIEVE THAT WITH THESE INSTRUMENTS, OR SIMILAR ONES, ORBITING

IN OUTER SPACE THEY MAY SOON BE ABLE TO OBSERVE THE BEGINNING OF TIME, OR BE AN EYE WITNESS TO BIG BANG!! . THOSE OF US WHO HAVE GROWN UP IN A CHURCH AND SUNDAY SCHOOL ENVIRONMENT REMEMBER WITH PLEASURE SUCH WORDS AS THESE FROM AN OLD, MUCH-USED SONG-----

"WHEN THE TRUMPET OF THE LORD SHALL SOUND AND TIME SHALL BE NO MORE, AND THE MORNING BREAKS ETERNAL, LIGHT AND FAIR".

THERE ARE NEWER INSTRUMENTS FOR COLLECTING MAGNETIC RAYS AND CONVERTING THEM TO A VISUAL IMAGE. THIS IS NOW BEING DEVELOPED AS A WORLD WIDE GROUP OF INSTRUMENTS STRATEGICALLY PLACED FOR GOOD OBSERVATION AND POLITICAL SECURITY. I THINK THERE WILL BE TWELVE OF THESE WHOSE FUNCTION AND FOCUS IS COMPUTER CONTROLLED TO PRODUCE A SINGLE IMAGE. IT IS CLAIMED TO HAVE POWER SUCH THAT A PAGE OF NEWSPRINT EXPOSED IN CALIFORNIA COULD EASILY BE READ IN NEW YORK CITY! THESE SYSTEMS-RADAR, OR WHATEVER, ARE TO BE USED TO PROBE THE MOST DISTANT OUTER SPACES OF OUR UNIVERSE AND BRING CLUES OR EVIDENCE OF THE BEGINNING OF TIME THAT EVEN NEWER OPTICAL INSTRUMENTS COULD NOT SEE. IN THE PAST, THE MOST POWERFUL REFLECTOR TELESCOPE WAS THE 200 INCH MIRROR AT MT. PALOMAR, CALIFORNIA. NOW, HOWEVER,

7. A GROUP OF ABOUT 12 INSTRUMENTS SCATTERED WORLDWIDE IN PLACES WITH POLITICAL AND ENVIRONMENTAL ADVANTAGES, CAN BE FOCUSED BY COMPUTERS ON A SINGLE SPOT OR OBJECT SOMEWHERE AND PRODUCE A SINGLE OBSERVABLE IMAGE. EACH OF THESE INSTRUMENTS WOULD HAVE A HONEYCOMB CLUSTER OF MIRRORS FOCUSED TO ACT AS A SINGLE MIRROR THAT COULD EQUAL MT. PALOMAR IN POWER. THE ENTIRE SYSTEM OF 12 INSTRUMENTS WOULD HAVE POWER TO SEE THINGS NOW UNKNOWN.



THE MAGNETIC WAVE INSTRUMENTS PIERCE THROUGH CLOUDS, DARKNESS, SOLID MATTER, INCLUDING WATER AND SHOULD PERMIT NUCLEAR POWERED SUBMARINES OF POTENTIALLY UNFRIENDLY NATIONS, e.g. THOSE OF FORMER USSR AND USA WHICH HAVE BEEN REPORTED HAVING "GENTLE" (?) BUMPS TRACKING EACH OTHER DEEP IN ARCTIC WATERS.

SCOTTISH PRAYER - "FROM GHOULIES AND GHOSTIES

AND LONG LEGGED BEASTIES

AND THINGS THAT GO BUMP IN THE NIGHT

DEAR LORD, DELIVER US."

WE HAVE RECENTLY HAD THE MARVELOUS STORY OF WORK AT M I T BY AN ENGLISH AND KY PHYSICIST ON GENES CHROMOSOMES - PARTS OF DNA LEADING TO DISCOVERY OF A NATURAL SPLICING PROCESS, OR THE ASSEMBLY OF INFORMATION FROM SEVERAL SEGMENTS. REPORTS ON THIS INTRICATE, MYSTERIOUS PROCESS IS BEYOND COMPREHENSION. HOWEVER, IT SEEMS POSSIBLE TO HANDLE, MANIPULATE AND ALTER GENES FOR IMMEDIATE BENEFIT AND THE INHERITANCE OF IMMUNITY SYSTEMS AND MARVELOUS ACQUIRED OR INHERITED SKILLS.

ANOTHER, AND FOR NOW THE LAST TO BE REPORTED HERE, IS THE ANNOUNCEMENT FROM ASTRONOMERS THAT IN AUGUST OF 1994 A COMET NAMED \_\_\_\_\_ WILL BE PASSING IN ITS ELIPTICAL PATH SO CLOSE TO JUPITER THAT THE MAGNET PULL OF THAT PLANET WILL BREAK OFF GREAT CHUNKS OF THE COMET, SOME AS LARGE AS THREE OR FOUR MILES LONG AND AS MUCH AS A MILE WIDE. THIS WILL HAPPEN ON A FACE OF JUPITER TURNED AWAY FROM EARTH AND SO NOT VISIBLE EXCEPT BY REFLECTED LIGHT AND

OBSERVATION A FEW HOURS LATER WHEN THAT FACE COMES INTO VIEW.

IT IS AMAZING TO ME TO KNOW THAT JUPITER IS A GASEOUS BODY THAT MAY HAVE TURNED TO LIQUIDS SO THAT COMET FRAGMENTS MAY HAVE WHAT IS CALLED A SOFT LANDING.

ALL OF THESE IDEAS, THEORIES, THINGS, AND STUDIES THAT OUR WORLD IS FULL OF HAVE GREAT POTENTIAL TO BENEFIT OUR HUMAN RACE OF PEOPLE AND THE COMFORT AND SERENITY OF LIVING CLOSE TO EACH OTHER.

MOST OF THESE THINGS ARE DISCUSSED OR REPORTED IN OUR DAILY PAPERS - QUOTED FROM NY TIMES OR WASHINGTON POST AND SOME MAGAZINE TYPE PUBLICATIONS - THE ATLANTIC OR SMITHSONIAN AND OTHERS WHICH MOST OF YOU MAY SEE - AND QUITE LIKELY ON T.V. WHICH I RARELY SEE.

I WILL EXPECT THESE IDEAS TO BE CHALLENGED BY YOU, AND WILL ADMIT NOW THAT MY UNDERSTANDING OF THEM IS LIMITED I COULD NOT ADEQUATELY DEFEND THEM.

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