

# **NOESIS**

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**STANDARD NOTICES: Dues are two bucks per issue. Back issues are a buck fifty. Checks are payable to Rosner, not Noesis or Mega. One free issue for each two pages of published material you submit.**

Dear Rick,

I thought the readers might have some fun with the following little problem:

1. Two frictionless pulley wheels are located at the same height one meter apart. Place a frictionless closed-loop rope, of total length  $d$ , on the wheels as shown (a) and wait for it to reach equilibrium. The problem is to find all of the modes of equilibrium for different values of  $d$ , both stable and unstable, for these modes. Suppose the rope is looped over three wheels equally spaced as in (b)?



Kevin Langdon: I want to clarify a few things about my article. I did not intend to make the equation New Class = producers of culture, but can see now how that impression might have come through. I regard producers of "solid" culture in all areas as part of the producer class; the "derivative shlock and B.S." I would lump in with NC. One characteristic of NC occupations is the difficulty of gauging the actual quality level of ones' performance. Incompetence becomes harder to spot, hence the NC becomes a haven for mediocrity....another cause, which I forgot to include, was the adoption of Keynesian economics as a response to the Depression. Keynes observed that total demand had fallen below a certain critical-mass, and recommended a vast increase in government spending to bridge the gap, not realizing, or at least not admitting, that this would eventually create a huge, politically entrenched, parasitic segment of the economy. If economists are searching for a cause for the slowdown in real incomes over the past 20 years, they might take a hard look at the ascendancy of the New Class....It's hard to see how "right wing ideologues" can be perceived as "continuing to dominate" American politics. If they had, it's unlikely those mammoth Johnsonian programs would have gotten implemented in the first place. The elite media and the education establishments remain left dominated and extremely influential; government funding and tax exemptions for NC organizations and causes is truly immense. What happens typically is that NC will toss a few sops to RWIs, such as suppressing the teaching of evolution, opening federal land to logging companies, and censorship of the Internet, in the hope these will satisfy, provided there is no threat to the central NC agenda: tempting the public with utopian schemes which incidentally perform the all-important function of enhancing NC bank balances...Many NCers do indeed "suck up" to private industry, but this is opportunism, not admiration. In hard core NC circles, the economy's "nonprofit" sector has enormously greater prestige than the private sector. I am of course aware that NC Republicans and liberal barons of industry exist, but I don't think this affects the overall statistical validity of the NC concept. I simply accept it as an unavoidable given that there will be numerous exceptions to any sociopolitical theory...If most shooting wars are preceded by culture wars, does this imply that all culture wars lead to shooting wars? I don't believe so; some get resolved.

However, the fact that a culture war exists does raise the probability of violence considerably. Anything that even looks like a John Brown incident gets recruited to arms; witness the burning of Black churches: the latest data indicates the great bulk of the fires are traditional cases of arson: insurance fraud, burglary coverup, drunken vandalism, psychopaths etc. Even where bigots are involved, little indication of organized action. However, the Official New Class Position is that a Grand Racist Conspiracy exists and must be vigorously attacked. If anyone should doubt, has not the President trumpeted as much from his bully pulpit? ...It is certainly true that most people just try to get by, however one could say the same thing about many a pre-war situation. Much of the impetus behind the explosion of 1914 was a fervent longing to ditch the daily grind and go out seeking adventure; if a great Cause was behind it, so much the better...Your paragraph "I predict that things will continue...on a planetary scale" is on target and consistent with the main points of my article. Just pray that the economy holds together...New Agers' "tacit agreement...not to question one another's beliefs too closely" is a good example of nihilistic denial of a scale of truth or quality. My attention was arrested by the quotation:

"...We are now at the end of the Age of Reason. The intellect has...become a disease of life. A new age of magical interpretation of the world is coming in terms of will and not intelligence...there are ascending grades on the way to the achievement of higher levels of consciousness..."

This could be taken as a position statement, almost a mini-manifesto, by any New Age celebrity from Shirley Maclaine on down. All of them surely would be discomfited to discover the source: a 1930s speech by Adolf Hitler. Some authors such as Constance Cumbey have claimed that New Age is actually a renewal of Nazism. I rather would say that Nazism is a particular outbreak of that more general phenomenon of "postmodernism", the retreat from reason, of which New Age is one more religious manifestation. What remains for New Age is to attempt to create a consistent mythology to replace the biblical story. The debate of skeptics and believers over the "alien abduction" and "space brothers" stories that have saturated the media have largely ignored one plausible theory: that these tales are nothing less than the beginning, the seed, of an emerging pagan religious mythology which is, for better or worse, more in tune with our technological times...Looking at Robert Dick's examples of government corruption, I think I can link at least some of them to NC influence. I don't think Robert is using the word corruption in the sense of politicians taking money under the table, but rather in the sense of a corrosion of the concepts of liberty that underpin the nation's foundation. One thing is certain: affirmative action and "political correctness" are the pure distilled essence of New Class. And we don't require a conspiracy theory here, this is a "class" phenomenon...Many thanks for spotting the intrusive word "of". Serves me right for letting the computer do my proofreading.. and I guess I shouldn't be too upset at the misspelling of my name; some local acquaintances suspected yours truly of being the Unabomber, probably due to a propensity for tinkering with electronics, combined with a serious allergy toward automobiles...

THE FINAL TEST  
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This test is to some extent meant as a friendly parody on the type of analogies found in certain well-known tests. It is however also a serious test that will be scored and normed. If you try it, there will be no fee. Just send your answers to the above address and mention previous scores if you have any. I will report your raw score immediately, and your estimated IQ and percentile scores as soon as I will have received enough submissions to norm the test. After norming, The Final Test will give entrance to The Giga Society, that has only one member so far. The entrance requirement for this society will be a score at or above the 99.9999999th percentile of the unselected galactic population, which is approximately six standard deviations above the mean. Although each analogy has basically one correct solution, you are encouraged to explain answers you fear will otherwise not be understood. An example: for the analogy TOTAL FAILURE : KICK-UP :: SPASMODIC CONTRACTION OF THE DIAPHRAGM : ?, the best solution would be HICCUP.

Don't give up.

- 1 MUDDLE : SCHRÖDINGER :: DOPPLER : ?
- 2 SMACK : BOX :: BOTTOM : ?
- 3 HALLUCINATION : LSD :: FUNNY HIGH VOICE : ?
- 4 JOAN OF ARC : STAKE :: SOCRATES : ?
- 5 IS DEAD : NIETSCHE :: DOESN'T PLAY DICE : ?
- 6 CHAIR : TABLE :: LEG : ?
- 7 See : Hear :: PeePING TOM : ?
- 8 I LIKE YOUR OPERA - I'M THINKING OF PUTTING IT TO MUSIC :  
BEETHOVEN :: THE DIFFERENCE BETWEEN A MADMAN AND ME IS THAT  
I'M NOT MAD : ?
- 9 HAIR CARE DEVICE : HAIRPIN :: SHARPLY TURNING : ?
- 10 NANUK : INUK :: POLAR BEAR : ?
- 11 PITCH FALL : RED SHIFT :: DOPPLER : ?
- 12 READ : SWALLOW :: PROSE : ?
- 13 WEAR : PLAY :: BLOUSE : ?
- 14 REMEMBER : KEEP OFF :: FORGET-ME-NOT : ?
- 15 CLOCK : MEASURING ROD :: YEAR : ?
- 16 MALE STRIPPER : CHIPPENDALE :: GENTLEMAN AND CABINET-MAKER : ?
- 17 THE UNANSWERED QUESTION : IVES :: DIE KUNST DER FUGE : ?
- 18 ALSO SPRACH ZARATHUSTRA : ALSO SPRACH ZARATHUSTRA :: STRAUSS : ?
- 19 CARL VON LINNÉ : LINNAEUS :: THEOPHRASTUS BOMBASTUS VON  
HOHENHEIM : ?
- 20 FRANKENSTEIN : MONSTER :: LÖW : ?
- 21 PLATO : SCHRÖDINGER :: CAVE : ?
- 22 CRUIJFF : FOOTBALL :: DEEP BLUE : ?
- 23 NOON : PHASES :: VENUS : ?
- 24 SKIN DISEASE : NARROW ESCAPE :: BARBER'S RASH : ?

- 25 INFINITESIMAL : INFINITESIMAL :: NEWTON : ?  
 26 PH : IQ :: 24 : ?  
 27 WRITE, PAUL! : POE :: RUN, COCIJMANS! : ?  
 28 FROG/PRINCE : GRIMM :: TRAVELLER/BEEBLE : ?  
 29 LED ZEPPELIN I, II, III... : LED ZEPPELIN :: LZ 127 : ?  
 30 ET TU, BRUTE : CAESAR :: EPPUR SI MUOVE : ?  
 31 MUDDLE : SOAK :: CONFUSE : ?  
 32 ESCAPE FROM CHAINS : HOUDINI :: EXPOSE 'MEDIUMS' : ?  
 33 EXIT : BRANCH :: MERGE : ?  
 34 LOWER-CASE : upper-case :: contradiction : ?  
 35 PYRAMID : RAZOR :: KHUFU : ?  
 36 ZEPTO : YOCTO :: HEPTA : ?  
 37 ESSENCE : CONTRADICTION :: APPEARANCE : ?  
 38 COLOR-TRAIL SLICES : RUM EXIT :: LICORICE ALL-SORTS : ?  
 39 WHITE INSECT : ALUMINUM POWDER AND METALLIC OXIDE :: TERMITE : ?  
 40 PEARLS : GOLD :: VINEGAR : ?  
 41 COMPLEMENT OF CHROMOSOMES : GENOME :: APHORISM : ?  
 42 STUFF, DRIVE :: TAXIDERMIST : ?  
 43 GENETICS : MENDEL :: MORPHOGENETICS : ?  
 44 4 : 2 :: AS : ?  
 45 QUARTERS : PANORAMA :: LETTERS : ?  
 46 VERDI IS THE PUCCINI OF MUSIC : STRAVINSKI :: ALL CRETANS  
 ARE LIARS : ?  
 47 HALLUCINATE : LSD :: AWAKE AFTER DECADES : ?  
 48 DOG : WOMAN :: LAIKA : ?  
 49 QUATUOR POUR LA FIN DU TEMPS : MESSIAEN :: FOUR MINUTES  
 AND THIRTY-THREE SECONDS : ?  
 50 ENGLISH : ONE-WHO-HOPES :: ESPERANTO : ?  
 51 END OF WORLD : EXCREMENTS :: ESCHATOLOGY : ?  
 52 SOUTH AMERICAN DANCE MUSIC : SALSA :: AFRICAN THUMB PIANO : ?  
 53 PEOPLE : LOCKS :: BARNUM STATEMENT : ?  
 54 DETERMINING LOCATION BY ECHOES : ECHOLLOCATION :: COMPULSIVE  
 IMITATION OF ANOTHER'S FACIAL EXPRESSION : ?  
 55 SIADH : KAYAK :: SYNDROME : ?  
 56 SOUND : WORD :: WANNA-MAC-UP-HERE : ?  
 57 COMPULSIVE ARSON : PYROMANIAC :: RADICAL SKEPTICISM : ?  
 58 ACCELERANDO : DITTOGRAPHY :: RALENTANDO : ?  
 59 LO DIVE HARRY : ANAGRAM :: A NICE MESS : ?  
 60 ROCK STAR : STAR-SHAPED ROCK :: FRANK ZAPPA : ?  
 61 AHA P AN OLD GAME : AVEC :: ONE GEM : ?

This test contains a number of items that require knowledge and vocabulary. I really feel such items are not ideal for measuring intelligence. Psychometrists often claim that vocabulary correlates highly with general intelligence, but forget to mention that this correlation is caused by the fact that the so-called 'tests for general intelligence' - like WAIS and Stanford-Binet - consist for a considerable part of vocabulary items. So no wonder. I do therefore not claim that this is a pure intelligence test. In future test construction I will avoid problems that ask for difficult words and knowledge. Perhaps I have already started. NB: No discussions with others, no time limit. Reference books allowed.

to: R. Rosner  
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Mr. Editor,

Re recent bloodshed on the pages of "Noesis", may my slightly different perspective pour some balm:

Part of the problem, to my mind at least, appears to come from perfectionism. See, in this pesky world every measurement is unexact. Surer than taxes. Length is the simplest thing to measure I can think of, and was measured for untold length of time; but reliable? Rules do not fit into curves; tapes stretch; temperature and humidity offer their surprises. All right, the differences are mostly small, well within 5%, now we finally started to learn some. But consider temperature. People work on measuring it for several hundreds of years, and still do not rightly know, just what it is, let alone where to put numbers on it. Really, with the history of intelligence measurement so short, and the quality measured so elusive, one can only wonder at the great successes. And the peacefulness.

Sceptic? Just think of the times, when foot was just what it says: a living man's foot. What fights there were about whose foot is THE PROPER ONE for measurement? Maybe that was when girls, with their smaller feet, got excluded out of business sphere and Salic laws started. For what husband in his right mind will consent (or wife - insist) that a piece of land, bought by the family, would be measured out by a female? Or imagine selling yard goods in a town where the other man's foot was proclaimed lawful every day, in the spirit of equal opportunity? Of course, actually they used a stick of measured length. And then came one Peter Maximer and demanded to produce the original foot. Along with the owner's birth certificate.

Seriously, with percentiles there seems to exist a somewhat similar situation. While the median sits in place, fine; only it shifts, so a person can slide into another level statistically, without himself changing any. So not every opportunity for squabble is exhausted yet, far from that.

For reason to measure superhigh IQ's, one might be, that those afflicted might like to have them social skills and world fame. Now to change something one should better know the thing to be changed, and the only way to know is to compare. Compare diligently means to measure. No way out. If the superhighs are not real world enough, there are plenty people of medium intelligence as have troubles interacting. Studies of different levels of IQ are very likely to offer insight into their problems. Indeed, to see things one has to discriminate first.

As to "only genius would know genius" maybe there is a way around. Most people goof. One could heap those gems, classify, norm and make tests out of them. The idea is to find out, not who is more intelligent, but who is less of a boo...No! Only not that word! Never ever! Well, logically it's a score instead of twenty, but perhaps one could thereby measure not human minds against each other, but one single mind against the whole of humankind's wisdom, collected so far in the process of handling the Universe. Likely many geniuses took part in forming general knowledge - that we now take for granted and underestimate - so therefore one could, in theory, build a ladder high enough to stand even with anyone. To ensure the result includes more of the high end one has to gather material from apparently normal people - not obviously weak-minded, that is - and to accumulate a big lot of it. Nobody can know everything, and enough of relatively simple problems should bring about the moment of truth.

To illustrate, here some items from my own collection: "American Blank said a foolish thing, "it's difficult to predict, specially about the future"." (from a French newspaper); "Houses built of the same number of bricks, contain equal amounts of space whatever the configuration" (that from an intelligence test! - enjoy, folks...); "Nicotinic acid is a vitamine, means nicotine is good for one's health" (from a bus driver). It is simple to score those - answers have to be: "true" or "false". So a long test might be still easy to use.

Tradition seem to be, that correspondents gripe. Well, what might I use...? Aha, many "Noesis" contributors share my taste for playing prophet, and the examples of the art I saw do agree with me - splendid pieces! But maybe it is not very nice of Mr. Chris Harding to dangle his unified field theory before people's noses and then hide

it away. No theory worth its ink was ever appreciated at first by more than a dozen - if it was exceptionally lucky. Not that the rest were too dumb - in most cases they have interests of their own. I think US does head for all-out civil war: why a country going the way of contemporary Liberia (or old Israel, if you like) should come to a different end? Unfurl your banners, Mr. Harding, and show me up, if you know better!

As for AQ (Achievement Quotient, is it?), there just might be a good selling angle to it. Like "Use your mind power to get what you want!" From your letter it seems to follow, that sometimes excessive intelligence gets underfoot. Suppose one learns to spot that excessive part, switches it off, achieves one's heart desire and switches it back to return to lofty pursuits? Like one can switch rote memory or creativity. Appears quite practicable and useful. Of course, little things remain to be done: make that key discovery, find out how to package the product and then create a market for it. Which needs not become a lifetime task. The secret is to organise oneself a gang. Then let others work, yourself storing the laurels. Though don't count on too much in the way of soup seasoning. There is sure a dearth of admirers lately. One time I got some admiration and before I could blink I was out considerable (for me) money. Which makes me doubt if he was truly sincere.

Question of who works reminds me of one thing Glenn Morrison had no occasion to know. The mentality of "workers" in Russia is not welfare, it's military. Americans here contact exclusively nomenclature, who are welfare-minded indeed. Therefore misapprehension. Russia for maybe 400 years was governed increasingly as an army camp, and one of the things people learn in army is shirking fatigues. Welfare was practised, but never on a scale remotely comparable to post-war America. Hope this information might help Mr. Morrison with his brilliant analysis.

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Dear Rick,

9/19/96  
R.W. May

Sisyphean shlepping  
was translated!

Richard

## 리처드 W. 메이(Richard W. May)의 전기적 스케치

원숭이 해에 보스턴 교외 라푸타의 격조 높은 지역 근처에서 태어난 나는 돌고기자리를 타고난 사람이며, 두뇌형의 외배업성 체형(마르고 키가 크고 약한 사람)이며, 고양이 애호가이다. 카프카와 몽크는 나의 치료사이고 동맹자였다. 언제나 안개로부터 내려와 실제적인 것으로 알려진 신화적인 위치 확보에 이르기 위하여 노력하면서 나는 때때로 상담도 했고, 빈번한 시지프스 식의 여행을 하기도 했다.

이름 뒤에 글자가 따라붙는 종이 호랑이로서, 나는 캘리포니아 주립대학교의 인문학부에서 말하기에도 이상한 석사학위를 받았고, ISPE에서 자격취득자 지위와 외국인들에게 있을 수 있는 흥미의 대상인 보드 게임의 미국 특허권을 받았다. (자동 식인: 신들의 성찬, 7단계 우화적 암호화 (Autoanthropophagy: The Eucharist of the Gods, a Seven-level Allegorical Encryption))의 저자로서, 내가 Mensa, ISPE, Prometheus, Mega, 그리고 the Aleph Nine의 회원이 된 것은 어울리는 일이다. Aleph 회 그 자체와 저명한 '되다가 만 리푸탄 인들(Laputans Manque)회'의 창설자로서 나는 마르키스의 《Who's Who in the World》의 전기의 주인공이기도 하다.

나에게 가장 중요한 것은 철학(philosophia perennis)과 인간은 불안정한 존재로서, 그의 존재와 의식에 변화를 초래함으로써 그 자신의 진화를 완성할 수 있고 완성해야 한다는 사상을 실현하는 것이다.

## THE 30 1/2 INCH MIRROR BY CHRIS HARDING

THE 30 1/2 inch Mirror ...continued ...

25-06-1996 Tuesday - Got delivery of three short thick pre-cut planks of hardwood around 12.10 a.m. from Hynes & Sons and after 1.00 p.m. a large tube of 'liquid nails' and 'gun' from Finches Hardware which I used entirely to glue the planks to a large heavy wooden bench I already had under the house and which had sat there unnoticed for about three decades till confronted with the question of how I might make a quick start on the mirror if only for the manual experience of having attempted it thus-wise when it dawned on me it might just prove to be suitable. As it was the height proved exactly right for a standing position in working on the mirror in which I could bare down on the tool with maximum pressure. I placed three 'army' blankets folded several times on top of the planks and the 30.7 inch mirror blank atop this with the two best glued blanks facing upward. The upward surface would be the one to be concaved. I began at 2.30 p.m. using the 20.2 inch tool bringing the thicker of it's two disks into grinding contact with the 30.7 inch disk using a cyclic stroke so as to gain greater wear at the centre of the larger disk and making sure I avoided going 'over the edge' of the larger underneath one using 80 grade carbrundum and sewing machine oil but gave up after 10 minutes as I was just experiencing too much 'grab' reverting to plain ordinary water with my carbrundum which proved easier to handle which I then continued for another 40 minutes. At this point I thought I was just able to detect the hollowing of the underneath disk using a spirit level and later on a metal rod which was perhaps slightly less convincing. At this point I was at long last happy I'd made some sort of start on the big mirror after having let it sit there for so long.

27-06-1996 Thursday - I did 1 hours grinding with 80 grade carbrundum using only water this time and a mixture of the cyclic stroke and centre-over-centre stroke. At the beginning of the session I lifted the mirror blank rotating in through approximately 40 degrees a precaution to prevent grinding in any astigmatism which might later prove difficult to correct a procedure I would need to adhere to each time. The tool now appeared ground completely ie. over the entire surface but the surface of the mirror blank was still not completely ground to it's edge. Moving the tool about over the mirror blank gained me the feeling that the tool was now tipping back and forth indicating the hollowing of the lower mirror disk was in evidence though the curve was still minute. I noticed whilst doing the grinding the sound of the carbrundum breaking down into smaller particles was far less and 'pasted' quicker than with smaller mirrors this being very noticeable.



02-06-1996 Saturday - I did another 35 minutes grinding with the 80 grade carbrundum and water using only the centre-over-centre stroke with the 20 inch tool on top making quite sure I rotated the top disk at the end of each strokes length. Initially I'd felt the tool-to-mirror surface "grab" too much for my liking when I attempted a cyclic stroke abandoning it immediately in favour of the centre-over-centre approach. Using the straight edge of my metal rod I found the curve of the mirror blank now most noticeable indeed unmistakable.

30-06-1996 Sunday - I did another 20 minutes grinding as above at which point I'd run out of carbrundum just at the point where I was starting to enjoy the back and forth movement. I had ordered a "mountain" of the stuff on the Friday but this was not due to be delivered till some time on Monday.

01-07-1996 Monday - The man arrived with my new carbrundum at 9.20 a.m. and on the afternoon I commenced my asult on the mirror face once again doing 1 hour 10 minutes as above. At the end of the session I cleaned off the mirror blank and covered it with water. Viewed edgewise the elongation of images seen at a distance showed a significant concavity.

02-07-1996 Tuesday - Did another 1 hour 15 minutes as above. I did a crude guesstimate of the sagita depth using a metal rod being some what disapointed with the result since I got 0.02 inches.

03-07-1996 Wednesday - Did another 2 hours 5 minutes as above. The grinding now seemed remarkably smooth in action yet the mirror blank was still not ground completely at its edge which I found worrying; the thought occurring to me that since this was more confined to the one side that the disk of glass was warped to a certain degree and if true could only add to my problems. Estimated depth of the curve now still less than 0.025 inches.

04-07-1996 Thursday - Did another 1 hour 45 minutes as above. Depth of curve now estimated at 0.028 inches.

05-07-1996 Friday - 1 hour 15 minutes as above. Estimated depth of curve 0.029 inches

07-07-1996 Sunday - 2 hours 30 minutes as above. Estimated depth of curve now 0.03 inches. Total time to this point was 13 hours 5 minutes of grinding using the 80 grit; since this indicated a focal length of around 70 feet I was still less than pleased.

09-07-1996 Tuesday - 1 hour 15 minutes as above. I noticed today how 'smooth' the stroke action had become indicating the mirror was very closed to a true sphere.

10-07-1996 Wednesday - 1 hour 40 minutes as above. Bob Berry arrived at the house at 12.20 a.m. I showing him the work in progress to this point. He quite surprised by the ease with which the tool slipped over the mirror blank. Some what full of enthusiasm I did another 1 hour 15 minutes as above on the late afternoon.

11-07-1996 Thursday - 1 hour 10 minutes as above.

12-07-1996 Friday - 2 hours 5 minutes as above in the morning and another 45 minutes as above during the afternoon. Depth of the curve now 0.08 inches and equivalent focal length 30 foot 8 inches or for a 30.7 inch (78 cm) diameter f/11.98. Total elapsed time to this point was 21 hours 15 minutes.



13-07-1996 Saturday - 1 hour 25 minutes as above on the morning and another 40 minutes in the same fashion on the afternoon. Estimated depth of curve then 0.09 inches equivalent to a focal length of 27 foot 3 inches and an f/ratio of 10.65 after some 23 hours and 20 minutes grinding with 80 grit carbrundum.

14-07-1996 Sunday - 55 minutes as above on the early afternoon and 1 hour 5 minutes on the very late afternoon. Estimated depth 0.096 inches; focal length 25 foot 7 inches; f/ratio being exactly on 10 after 25 hours 20 minutes which disapointed me some what.

15-07-1996 Monday - 1 hour 25 minutes as above on the early afternoon and another 1 hour 15 minutes on the very late afternoon. Depth of the curve 0.105 inches and equivalent focal length 23 foot 4 inches or f/9.12 after some 28 hours on the rough carbrundum grade.

16-07-1996 Tuesday - 1 hour 40 minutes as above on the morning and another 35 minutes on the mid afternoon; I stoped at this point when I noticed that one side of the mirror blank had turned a milky white !. On examination I found that the milky area was between the two upper disks forming a cresant moon shape and about 4 inches wide at its worst and extending over about 1/5 of the circumference of the mirror. This appeared either to have happened suddenly or I had not noticed it before my guess being that it was certainly a new sign though showing no evidence of growing. I had then done some 30 hours 15 minutes rough grinding on the mirror. I phoned Novus Windscreens about this they denighing that there was any real problem. They suggested I leave the blank in the sun to dry out saying the only time they get this phenomena occuring was when moisture seaped into the glue. Since the glue achieved maximum toughness very quickly either it had broken down or it had not the moisure between the two disks being quite another matter. They said if it broke down they could glue it back together for me suggesting I put it out in the sun to dry out in any case. I also noticed my hands had started to bleed suggesting I should 'give it away' for a day or so !.

17-07-1996 Wednesday - I cleaned most of the piled up carbrundum sludge away from the mirror's rim and face today ie. that which had been caked up; there still being carbrundum lodged in the groves between the opposing beveled edges where the disks made contact with one another; I finding this more difficult to clean out. After having let the blank sit there for 24 hours noted it had dried out though the glue was still discolored.

18-07-1996 Thursday - 1 hour 10 minutes as before around midday and an hour on the very late afternoon stoping at this point when I noticed the skin on the middle finger of my left hand had begun to bleed again !.

19-07-1996 Friday - Today got gloves (which prevented further bleeding but still managed to cut the 4th finger on my right hand after I'd finished grinding when I removed the glove and wiped off the carbrundum from the tool and mirror blanks with my hand ...oh well !) and did 50 minutes on the early afternoon (as above) and 1 hour 10 minutes on the late afternoon at which point I ran out of carbrundum. Total grinding time to this point was 24 hours 25 minutes; The central cut was now down to 0.136 inches indicating a focal length of 18 foot zero inches or f/7.03 or 0.326 diameters per hour over the last 6 hours 25 minutes.

21-07-1996 Sunday - 1 hour 35 minutes as above on the early to mid afternoon. The shock to me was that the curve remained the same when I came to measure it which if this was correct suggested the re-used carbrundum may just be ineffective for my purpose ?. I noticed there was some "grab" during this work period and it may well be that this is as good an indicator as any that the cutting action had largely stopped. Total time to this point was 36 hours 35 minutes.

22-07-1996 Monday - Unable to continue on the mirror due to having caught the "flue" rather badly !.

26-07-1996 Friday - Bought just a single jar of 80 grit carbrundum [feeling this would be sufficient to finish the rough grinding stages on the mirror] managing to do just 1 hour 10 minutes [again using only water and centre-over-centre stroke as before] on the night despite the persistence of my "flue". Again the tool continued to prove exceedingly easy to push just gliding over the face of the mirror indicating maintenance of exceptionally good contact between their two surfaces, or so I thought at the time !.

27-07-1996 Saturday - 1 hour 25 minutes as above. Estimated depth now 0.13774 inches, which if correct would put the f1 at 214 inches or 17 foot 10 inches or f/6.97 indicating a negligible rate of progress !. I wondered at this point if the grinding had run up against some kind of barrier. Total time then 39 hours 30 minutes.

28-07-1996 Sunday - Had discussion with Bob B. over the phone as to the above problem and possible solution(s). Later got a return phone call from him; his son having found a plausible cause: the mirror in becoming more and more "dishlike" as I'd ground it in would have trapped more and more water giving rise to an effect where the carbrundum was just "floating" in a "sea" of water thus limiting its grinding potential: I had noticed that the carbrundum was lasting enormously longer before needing to be recharged - it never occurred to me to ask myself why this should be so (my only previous experience with the grinding stages being the use of a full size tool with the mirror being worked face down over it). The solution then, if the cause effect relationship be true; to apply it nearly dry, which I resolved later to do.

29-07-1996 Monday - 1 hour 5 minutes grinding centre-over-centre using the 80 grit carbrundum as dry as possible hoping to keep the normal previous effect of the grinding action going.

31-07-1996 Wednesday - 2 hours grinding as above making sure periodically to completely clean up all residuals on the two surfaces. I thus maintained the "roar" of the carbrundum at a maximum. Took another measurement today and found the depth still stood at 0.1381 inches or 17 foot 9 inches ie. f/6.938 indicating that the focal length had come in only an inch during the last 3 hours and 5 minutes. Total time to this point 42 hours 35 minutes. I was forced to the conclusion I'd run into some kind of natural barrier: that to take the curve in would require a smaller tool; that to cut down the size of the tool would limit the accuracy of the mirror curve in turn; that to shorten the stroke would in effect be like trying to figure the central section of the mirror as though it were a smaller mirror which would create the reverse effect in that it would flatten the central section. That there was no easy solution and that at some point the action(s) of mirror and tool would be self-limiting since it would be quite impossible for me to reverse the position of mirror and tool given the weight of the mirror blank.

At this point it became obvious to me that I would have to come to terms with a mirror of slightly less than f/7. The only option then open to me would be to fold the optical system - I would need to make a smaller flat mirror to place WITHIN the focus of the primary mirror if I was ever to mount it as a completed telescope.

02-08-1996 Friday - Today obtained some 220 carbrundum from Bob Berry doing one hour using the usual centre-over-centre stroke. I gave up on the hour after having to prise the mirror and tool disks apart with a hammer and strip of wood they having become suddenly and seemingly without notice stuck together.

03-08-1996 Saturday - Did another 2 hours 30 minutes as above. Managed to avoid jamming the disks: this however was nerve racking. At this point I removed my glasses for a myopes perspective and found the remains of the old 80 grit pits in the matted format of the mirror blank. Not satisfied by this and after a sleep I did another 2 hours as above. This time I was once again plagued by disk jamming having again to resort to a hammer and piece of wood to get them apart. At this point a close examination showed a significant decrease in the size (ie. depth) of the old pits from the previous grade of carbrundum.

04-08-1996 Sunday - My 52nd birthday today ! : I did one hours grinding as above on the early afternoon.

05-08-1996 Monday - 1 hours grinding as above on the very late afternoon. At this point on examination the edge of the mirror disk appeared on a par with the central area. As I was putting the 220 grit carbrundum away it slipped from my hand hitting the cement floor and cracking the bottom of the glass jar containing it. I was able to rescue the remaining carbrundum after which the bottle fell apart in my hand which was saved from being cut about only by the gloves I was still wearing. I realised at this point how tired and full of mishap I was this afternoon. I'd been out driving for a few hours before beginning work on the mirror and had gotten myself exhausted. This was definitely a mistake in itself.

06-08-1996 Tuesday - Did another 45 minutes on the early afternoon. At this point I noticed the glue in the tool disk was now also discolored having turned an opaque white around a large section of its edge. At this point I could see no difference what so ever between the centre and edge of the mirror's face and concluded that further grinding would offer me no further gain with the 220 grit. Time on grade 220 8 hours 15 minutes. Total time to this point 50 hours 50 minutes.

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07-08-1996 Wednesday - I got some 400 grade carbrundum off of Bob Berry just before 8.00 p.m. doing 30 minutes grinding with this on getting back home using the same stroke etc. as above.

08-08-1996 Thursday - Did 1 hour 15 minutes as above. Noted that at this point that the 220 pits in the glass still remained on one side of the mirror face. A cold day raining continually which soon put me off my efforts.

09-08-1996 Friday - I managed to do 1 hour 20 minutes as above despite the dreadful weather.

10-08-1996 Saturday - Too busy today to do an more grinding on the mirror.

11-08-1996 Sunday - 1 hour 10 minutes as above. Made one application of the 400 grit carbrundum last the full ceasion a practice I intend to continue believing I got better results this way since this grade takes much longer to 'paste'.

12-08-1996 Monday - Did 1 hour 10 minutes as above. Total time on grade 400 5 hours 25 minutes. Total time to this point 56 hours 15 minutes.

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13-08-1996 Tuesday - Bob Berry came over to the house on the morning bringing with him some 600 grade carbrundum and aluminium oxide. He examined the mirror's face thoroughly with a strong magnifying lense he'd brought with him and agreed with me that the grinding was ready for a step up to a higher grade being unable to find any pits. We cleaned everything down thoroughly and I began with the 600 grade carbrundum 10 minutes into which the action was like a dream. I did 2 hours 15 minutes using the standard above stroke in all. At this point there was no 'grab' at all the worse I found being a slight sign of 'stiffness' which could easily be alleviated by sprinkling a little water over the mirror face. I'd used only one sprinkling of carbrundum at the start not needing to recharge it after that.

My enthusiasm some what fired up I did another 1 hour 40 minutes as above on the late afternoon. Total time on grade 600 3 hours 55 minutes. Total time to this point 60 hours 10 minutes.

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14-08-1996 Wednesday - I cleaned off everything around midday and only then on inspection did I discover to my shocked amazement that I had some scratches on the mirror face and pits dotted about but more near the edge of the glass. I realised at this point that I had received a set back from contaminants but was puzzled as to how this had happened. I decided in any case that the damage had been done and probably had come from contamination within the 600 grade carbrundum I suspecting at this point that it may have been a bad batch. At this point I also concluded that there was no point to continuing with the 600 grade of carbrundum - then doing 1 hour 40 minutes with the a.o. Only later did it occur to me that the offending agent had been the gloves I was wearing which had over the period of their use gone from green to a slightly grey look despite my repeated attempts at cleaning them off. I resolved at this point to toss them out and to continue using the a.o. it being a moot point as to which of these was the better. I was at least heartened by seeing curved distorted reflections of objects in the mirror when viewed side on after I'd cleaned it off after the latest work with the a.o. when the mirror surface was in a completely dried state these reflections extending to the very edge of the mirror which I took to be a good sign. I felt also that the pits and scratches might have been slightly lessened but that at this stage it was likely too early to be really sure of this last sign.

15-08-1996 Thursday - I did 2 hours on the very late afternoon early night using the a.o. and above stroke but this time intentionally with a liberal amount of the material.

16-08-1996 Friday - Did 1 hour 5 minutes as above. Pits and scratches appear to be very slowly coming out.

18-08-1996 Sunday - Did 1 hour 50 minutes as above. Pits & scratches still showing evidence of slowly fading out.

19-08-1996 Monday - Did 45 minutes as above on the very late afternoon early night --air too cold to continue; had been snowing down south in unheard of places !!.

20-08-1996 Tuesday - Did 50 minutes as above on the very late afternoon.

21-08-1996 Wednesday - Did 1 hours grinding as above completing (hopefully) the last and final grade. Time on the a.o.: 9 hours 10 minutes. Total time to this point 69 hours 20 minutes.

21-08-1996 Wednesday - Continued on the afternoon with black rouge and water using the centre-over-centre stroke as above doing 1 hour 25 minutes ie. using glass to glass contact.

22-08-1996 Thursday - Initially tried rapping a cotton singlet around the tool to continue the polishing but this did not work so went on as before doing 40 minutes as above on the very late afternoon.

23-08-1996 Friday - Initially I had trouble with the tool to mirror surface 'grabbing' repeatedly for about 10 minutes which just as suddenly stopped and turned into a smooth action once again doing 1 hour 50 minutes as above on the late afternoon. I was completely unable to explain the sudden change in behaviour of the surface to surface contact. During night did an estimate of the amount of polish on the mirror surface by estimating the albedo of it's face seen from a position near the edge --- this came out at 2-3 % a figure too low to allow any practical testing of the mirrors figure at this stage.

25-08-1996 Sunday - Did 2 hours 5 minutes as above giving up when it became dark. I did another estimate of the amount of polish on the mirror surface and decided that at around 3+ % that I had little hope of achieving a full polish through glass to glass contact with the black rouge. Time with the black rouge 6 hours. Total time to this point 75 hours 20 minutes.

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27-08-1996 Tuesday - Bob Berry came over to the house on the morning bringing with him some h.c.f. sheets and various glues. On the afternoon I made an h.c.f. lap for the 20 inch tool. After this had set I set about polishing the mirror with the lap black rouge and water doing 50 minutes with the centre-over-centre stroke as above. I had to stop only when the lap fell apart on me !. It required nearly all my strength to push and had the lap not disintegrated I would soon have dropped out myself !. Time with the black rouge 6 hours 50 minutes. Total time to this point 76 hours 10 minutes. Again estimated the extent of the polish on the surface of the mirror which ranged from around 20 to 30 % near the centre and falling off gradually to 3 to 5 % near the edge.

28-08-1996 Wednesday - Bob Berry arrived at the house at 11.13 a.m. we setting the 30 inch mirror up against the back of the house and tried to test it ...we were shocked to find the focal length to be twice what we had expected it to be at 35 feet 6 inches ie. the radius of curvature was 71 feet ! ...we submitted it to a crude test at a distance of 71 feet from it's surface after we'd recovered from this shock of my having goofed so badly ...I'd made an error when I'd encoded the formulae into the small computer program I'd written for the calculation of this. On the plus side if there was one we could not find anything wrong with the figure at least at this point using our crude test. Considering the distance between ourselves and the mirror Bob Berry was rather impressed and immediately declared the METHOD of working the mirror a success !.

Given the long focal length of the mirror the only four options then open to me (given my inability to grind it in any further) would be to either:

- [ 1 ] use it at a low angle
- [ 2 ] fold the optical system (requiring I make a 15 inch flat mirror)
- [ 3 ] have the "telescope" sit horizontal making a flat mirror which would track the object to be observed and shine its light into the next mirror (requiring I make a 43 inch flat mirror !!)
- [ 4 ] convert light at its focus using a low light security camera to an electronic signal the image being displayed on a computer screen.



Option 1: would limit performance so should be ruled out other than for testing purposes.  
Option 2: would still require a tube around 20 feet in length and thus no longer than previously thought but might still not meet with our local city council rules and regulations (?) so would not be completely desirable.  
Option 4: would be worse still in this last regard needing a 40 foot tube.  
Only options: 2 and 3 would really stand scrutiny but both would still be troublesome - in the case of Option 3 the drawback would be that I would need to make the huge 43 inch flat mirror. This would not be impossible but certainly daunting using existing methods which are at best time consuming.  
Option 2: would seem realistic in that the 15 inch flat mirror would need only be half the accuracy of the 30 inch mirror.

[ Bob Berry some time later made the suggestion of a 5th option: that of making a low ratio casegrain; it's convex secondary being likely less difficult to produce than a flat mirror ].

I later tested the mirror under the mantle of darkness and thought I'd detected a slight tendency towards multiple images ?. I phoned Bob Berry he coming up with a plausible explanation of this -- but for me the doubt still lingered. Perhaps I'd never get to the point of setting anything up ?.

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29-08-1996 Thursday - I made a small tool by rapping a sheet of h.c.f. around a metal disk approx. 3 inches across and a half inch deep using a thick mixture of black rouge and machine oil using a compressed multiple-w stroke doing some 1 hour 5 minutes polishing with this. The object of this was to forestall any future difficulty --- but 20 minutes into this work session the tool became impossible to push despite its small size. I then thinned out the oil rouge mixture using frequent applications of water only stopping when the h.c.f. began to tear off of the tool in pieces. Despite my best efforts this small tool also set up 'force' on the mirror surface.

30-08-1996 Friday - I made another tool and proceeded as above for another 1 hour and 5 minutes when the tool again disintegrated on me bringing the session to a halt. The response had been much as before.

I cleaned everything up on the night and tested the surface reflectivity discovering it not much improved which was a bad disappointment for me. Bob Berry had suggested I might need to spend anything up to 200 hours to complete the polishing. I was now at least convinced it would take too long deciding to abandon the use of the black rouge used in conjunction with the h.c.f. in favour of a new material produced by an Australian firm. The black rouge had certainly lived up to its bad reputation as 'terrible stuff' I finding it almost impossible to remove from my cloths and exposed body surfaces. Time spent to this point with the black rouge 9 hours. Total time so far 78 hours 20 minutes.

Even if I'd immediately ordered the new material there was a waiting time of a month something that got to me and which had caused me so far in any case to take the course I had already taken and which lead me to believe I had still 'one more shot to fire' before doing so.

03-09-1996 Tuesday - I stretched a singlet over the 20 inch tool gluing this on the glass. I then did 1 hour 30 minutes using the centre-over-centre stroke using this 'singlet lap' and black rouge and water. I found it close to impossible to push-pull at first but this eased up after half an hour and was not too distressing at the end of the period. What was however distressing was the fact that both the glues I had used and the black rouge had attached themselves to my hands and arms and it took me nearly two hours of rubbing and scrapping to get it all off !!! I was quite shocked by this. I later cleaned the rouge off of the face of the mirror and discovered that I had gained some polish to the surface. While this was not great it did encourage me.

04-09-1996 Wednesday - Bob Berry came over to the house and had a look at the 30 inch mirror saying the polish continued to improve. This gave me some encouragement to continue.

06-09-1996 Friday - After a few days managed to forget my previous difficulty with the black rouge doing another 1 hour 5 minutes with the '20 inch cloth tool' doing a multiple-W stroke only to find it had gone right through my newly acquired gloves ' as well as through the old rags I'd put on purposely for the job and on to my body ' which required considerable time to clean off. I had to throw out some of these old clothing items they being no longer redeemable being in such a mess with the stuff '. This was the last straw I felt for the black rouge avowing never to use it again. At the end of the session I managed to anger myself when picking up the mirror blank to rotate it I managed to slip and snap one of the blades of glass in the window lovers as the weight of the mirror disk [well over 100 lbs] bumped against it.

09-09-1996 Monday - Silly me: did 1 hour 20 minutes polishing as above. The surface after I cleaned it up appeared to have come up further. I noted also that it was getting steadily easier to push the tool over the surface of the mirror during each work period this time certainly no exception to that. Again despite all attempts to avoid getting into a mess I managed to !. Time spent with the black rouge 12 hours 55 minutes. Total time so far 82 hours 15 minutes.

10-09-1996 Tuesday -- to -- 16-09-1996 Monday - unable to do any more work on the mirror during this period.

17-09-1996 Tuesday - Bob Berry came over to the house on the night and we tested the 30 inch mirror. It appeared to be of approximately the correct depth and smooth all over from edge to edge with both the razor edge and grid in fact a very gentle parabola and about what one would want. We tried to carry out Bob's spring test he glimpsing it once and I three times i.e. the clear torch coils using a 25 mm eye piece ie. at a power of x852. I am considerably taller than he we having some difficulty in aligning the big mirror with the test apparatus; we must have looked like clowns to our neighbours with the testing apparatus peering into the mirror 71 foot away from us. The detail in the image was not good but still evident at this this enormous power indicating that the work to this point was a success. I wondered what I had done to get it this good but decided on a minimal level conclusion -that the w-stroke had certainly caused no difficulties at all and could be used indefinitely on current appearances at least. Time spent with the black rouge 12 hours 55 minutes. Total time so far 82 hours 15 minutes.

18-09-1996 & 19-09-1996 Unable to do any further work on the mirror.

20-09-1996 Friday - I did a further 1 hour 40 minutes polishing with the 20 inch tool using the multiple w-stroke and the black rouge & water on the late afternoon. I noted a considerable variation in the tool to mirror tendency to 'grab' throughout this period which was a little puzzling to me. I conducted a reflectivity test on the mirror on the night which showed further improvements, the polish appearing nearly complete, then to within 1/2 inch of the mirrors edge which appeared a fair gain compared to the meager amount of time I'd spent on it. I did my sums and came to the conclusion that to figure a 2 foot 6.7 inch diameter mirror with a focal length of 35 foot 6 inches would be 2.2 times easier than to figure one only 1 foot 2 inches across of 10 foot 10 inches focal length [the statistics of my friends telescope], something which I put to him [Bob Berry] in a phone conversation that night, having done the calculations in confirmation of the wide spread view about the ease of making long focus mirrors, profering the idea that this would account for the quality given no effort so far in the figuring of it, that figure having so astounded us both when we'd tested it before.  
screen.

- 21-09-1996 Saturday --weather turning nasty high winds reaching 100 kilometers per hour !. Took shelter. No work done on mirror.
- 23-09-1996 Monday - Unable to do any work on the mirror at this point.
- 27-09-1996 Friday - First day I was able to get back to the mirror -- I did 1 hour 50 minutes polishing as before starting early in the morning while the day still remained cool. Resistance once again highly variable. Surface seemed improved once again. Had to throw out two items of clothing again -- have not yet decided to do the polishing in the nude but fear it might one day come to this ?.  
On the night checked out the mirror's surface reflectivity this indicating that the polishing was now showing the normal slow-down as the polish improves.
- 05-10-1996 Saturday - I did a further 1 hour 55 minutes polishing using the black rouge water and the multiple W-stroke with my 20 inch 'cloth' tool. I noticed a steady but irregular gain in the ease with which I could work the tool over the mirrors face. Polish further improved.
- 10-10-1996 Thursday - I did a further 1 hour 35 minutes polishing as above on the late afternoon. Trends continuing as above.
- 13-10-1996 Sunday - I did another 1 hour 50 minutes polishing as above on the afternoon. Trends continuing.
- 17-10-1996 Thursday - I did another 1 hour 40 minutes as before. Time spent with the black rouge 23 hours 25 minutes. Total time so far 92 hours 45 minutes.

#### THE FINAL STRAW !!

From my diary of 20-10-96 - sunday - rained heavily for some hours not long after I got home i kept awake by the security light constantly coming on for it's 6 second setting --unable to sleep for some while I turned my attention towards the problem of building a large [4-foot] flat mirror for the 30.7 inch mirror ...an original/obvious solution finally hitting me ! ...later fell asleep sleeping till 1.59 p.m. waking to a partially overcast very hot day. I was surprised by a phone call from Bob at 2.27 p.m. I speaking with him till 2.41 p.m. [said he'd be coming over after he'd seen his sister] ...arrived at the house at 3.58 p.m. later leaving at 8.08 p.m. [after he and I tested the 30.7 inch mirror: which I now realised I would need to abandon as it now presented as pretty hopeless we seeing quite distinct double images of everything in it ! Bob & I both coming to the same conclusion: that the glue between the glass disks had begun to breakdown !].

THE END.

Rick Rosner - Editor  
NOESIS  
5711 Rhodes Avenue  
N. Hollywood, CA 91607-1627

September 8, 1996

Ronald Yannone  
53 Amherst Street  
Nashua, NH 03060

Dear Rick:

Enclosed please find an article for NOESIS. It discusses sexual issues, which I know will be of interest to the members.

Sincerely,



**EDITOR'S WARNING TO READERS:**

To show how far humankind has fallen from God, Ron Yannone enumerates in great detail various perverse sexual practices. I left out the most graphic paragraphs, but material remains which might offend some readers. So look the heck out.

# IN DEFENSE OF MASTURBATION, FORNICATION, ADULTERY, GAY, LESBIAN, TRANSEXUAL, TRANSVESTITE, ZOOSEXUAL, SADISTIC, MASOCHISTIC, PEDOPHILE AND BI-SEXUAL PRACTICES

(Ronald Yannone 53 Amherst Street, Nashua, NH 03060)

In most parts of the world today, certain sexual practices are considered taboo. These include masturbation (usually enhanced via voyeuristic avenues), fornication, adultery, gay, lesbian, transsexual, transvestite, zoosexual, sadistic, masochistic, pedophile and bi-sexual. The original biblical plan was that sex between a man and a woman would result in progeny, or offspring. This Divine command from God had blessings and wisdom behind it. Over the years, since the "fall" of man, the procreative charter became lost sight of. What resulted was a contorted use of the reproductive organs, where the mere erotic sensational feelings that results, became dominant.

There are many reasons why a person will fall into one or more of these practices in their lifetime. Some of these reasons include: the person may have been abused by their parents when they were yet infants (fondling of the child's sex organs to pacify the child when it cried) or children (actual intercourse), exposure to sex via friends (of like or opposite sex), or via pornography (the INTERNET, television, radio lyrics, magazines, newspapers, videos, cassette tapes, phone sex, advertisements, etc.). In society today, it would seem nearly impossible not to be "exposed" to one or more of these practices. The reasons are extremely diverse and "rational" if one accepts the power of influence in the world around us.

Some persons lean toward these practices due to loneliness and the desire to be accepted and "loved" by someone - anyone! The spouse may not be "sexually" compatible - thus forcing the person to seek for "satisfaction" somewhere else. The desire and craving for sex may have resulted from a history of masturbation experiences - that lead the person down any "channel" that will involve the person with a "willing" partner. This partner may be unmarried or married, of opposite sex or similar sex, of the human race or the animal kingdom. These, of course, refer to fornication, adultery, gay/lesbian and zoosexual practices - or some combination of these.

The common element in all these practices is the desire to relieve "sexual tension." Tension that was not "implanted" by God during creation week. When one considers that the number of adult videos produced in the US this past year was around 5000; and that the number of corresponding video rentals was 650 million, one would have to agree that there is

a level of sexual tension in the US. At a rental price between \$3 and \$4, the adult videos contribute nicely to the multi-billion dollar porn industry.

The person may have psychological disturbances, which can lead the person to feel they "belong" to the opposite sex - thus leading them to alter their sex in some capacity. They may simply cross-dress (transvestite), or the woman may have her vagina replaced by a man's penis through an operation (e.g., a she-male). Likewise, the man may have his breasts enlarged and wear appropriate female clothing and cosmetics. Or the person may go all the way and become a full, post-op transsexual. Some of these will go this route with the innate desire to become a porn star. For example, Lana Woods, who is a full male-to-female transsexual doing very well in the porn industry today.

The desire and tension may be reached mentally, as the person derives sexual gratification only through seeing others inflicted by pain (sadism). Or the person may receive gratification only by receiving pain (masochism). The world of fetishism offers endless routes for sexual release, in connection with bondage and domination (B&D). Here practically anything may magically "possess" the person sexually. The item may be leather, chains, feet, shoes, boots, latex items, electric shock (e.g., to their breasts, genital areas), etc.. Having someone "dominate" them makes for a sexual "avenue" that can be strange, yet very satisfying, at times.

The person may receive more sexual pleasure by a dominator of like, or different sex. Sometimes the gender of the dominator plays a key factor as to whether or not the person will receive maximum pleasure from the "experience." The mind of the person is where all these practices originate. As they are practiced, the body becomes a "slave" to the habit(s) thus formed, and before long, the abnormal practice becomes a critical part of the person's lifestyle. The only way the person may derive real sexual pleasure may be in the arena they have "trained" themselves for.

In each case, the end result is sexual satisfaction for reasons other than procreation. To this extent, the persons practicing one or more of the above cited sexual procedures should not be "labeled" anything less notable than the married couple who have sex for non-procreative reasons. "License is not liberty" is the statement that married couples need to keep in mind. If they can enjoy orgasms that do not result in progeny, then the masturbation, fornicator, the adulterer, the gay, the lesbian, the transsexual, the transvestite, the zoosexual, the sadist, the masochist, and the bi-sexual can too --- without shame --- for both "parties" are in violation of the original Divine plan --- and neither "party" can throw a stone at the other in the sole regard to enjoying, and assisting, orgasms to their respective partners. The point is a technical issue and leaves no room for argument.