A Response to Recent Critics of Dickens and Flynn		
(2001)		
William Dickens May 27, 2009		
Rushton and Jensen (2006) "Thirty Years of Research on Race Differences in		
Cognitive Ability," <i>Psychology, Public Policy and Law</i> 11 (2) pp235-294		
D&E model implies increasing B	1 The model does predict that an initial	
W gap with age but review of	1. The model does predict that an initial negative shock should cause declines over	
evidence finds about 1 SD at all	time, but the amount of time it would take	
evidence milds about 1 SD at an	could be very short with most of the change	
ages	happening in the first three years in a	
	disadvantaged environment	
	2 Standardization samples of Black White	
	2. Standardization samples of Diack-white differences show the gap between them	
	growing with age	
The fact that haritability increases	No the Dickons Flynn theory was in part	
from 4 to 8 contradicts the	developed to explain this increase in heritability	
Dickens-Flynn theory	See p362 in the 2001 article	
Mean black IO in different cultures	No it is not. It varies depending on their social	
is constant	status and the GDP of the country. See for example	
is constant.	Wicherts Dolan and Van der Maas "A Systematic	
	Literature Review of the Average IO of Sub-	
	Saharan Africans," forthcoming in <i>Intelligence</i> and	
	Chapter 5 of Wichert's dissertation available at	
	http://www.repository.naturalis.nl/document/44999	
D&F provide no evidence that GxE	Growing heritability is evidence of that, and	
correlation is large or increases	Jensen himself has argued for this explanation for	
with age	the growth of heritability (<i>The g Factor</i> , 1998 p179	
-	"The diminishing effect of home	
	environment can best be understood in terms of	
	the changing aspects of the genotype-environment	
	(GE) covariance from predominantly passive, to	
	reactive to active."	
Mingroni (2007) "Resolving the	IQ Paradox: Heterosis as a Cause of the Flynn	
Effect and Other Trends"	Psychological Review 114 (3) pp 806-829	
It is questionable to label	This misses the point. The same processes that	
environmental factors that are	produce big effects for genes will also produce big	
caused by genes as environmental	effects for exogenous environmental variation.	
and the high correlation with genes	That is testable in standard ways.	
makes it impossible to separate out		
there effects.		
D&F triggers can't be "shared	Environmental effects don't come with tags on	
environment" since there is no	them "shared" and "non-shared." The same	
effect of shared environment in	physical problem could cause both share and non-	
adults and effects are small in	shared variance (for example if lead paint in a	

children.	home is consumed to different degrees by different
	children). The same environmental effect that is
	shared for children in a household will appear as
	non-shared for their adult parents (for example the
	SES of the parents' adult household). So the same
	factors could be affecting both adults and children
	but he reflected in different variance components
	to the extent that they create differences between
	individuals. However, the point of the D&E model
	is that any incompany of the point of the D&F model
	Is that environmental differences between
	nousenoids at the same point in time tend to be
	transient so they do not receive the benefit of the
	multiplier and therefore appear weak. However,
	differences in the means of these transient
	environmental influences across generations or
	social groups do get the benefit of multiplier
	effects and as such can produce large differences
	in averages.
Social multiplier is too vague to	No, it is a network effect. There is already a
quantify.	substantial literature on estimating network effects,
	much of which suggests their importance for
	individual achievement.
Mean IQ causes individual IQ	No, its simultaneous equations. All types of natural
which causes mean IQ. This is	and social scientists regularly work with systems
circular reasoning.	where there is reciprocal causation. There is well
	accepted technique for doing this. Exactly the
	technique employed in this paper.
Social multiplier doesn't tell us	Of course not. That's not the point. It is a
whether IQ will rise or fall.	multiplier. The direction of the triggering affect
	tells which way the system will go. The point is
	that small differences between generations or
	social groups can get blown-up to large differences
	in ability.
Social multiplier must be non-	1. Effects do not have to be non-shared as
shared environment and so runs	explained above
into the problem that birth order	2. There could be birth order effects and they
studies show later born equally able	would likely swamp secular gains which
or less able.	are only .3 IQ points per year
Social multiplier is an X factor	P in the model stands in for the average IQ in a
L	person's environment. This does vary from person
	to person. Typescript mentioned in original
	manuscript shows how functional form used in
	2001 paper can be derived from model where
	individual social effects differ.

Social multiplier means that	1. Not just children, everybody.
children being raised in low IQ	2. But that depends on who they associate
countries should be dumb	with. If only the country's elite and
	members of their own western culture then
	no effect.
	3. Whole point of social multiplier is that P is
	the average for the social group one is part
	of – that is how it contributes to explaining
	black-white differences.
Multiple simultaneous trends	1. Best argument that critics have made but
including increases in height, head	2. Trends are no longer simultaneous (in the
size, autism, myopia, etc. suggest	US, growth in height stopped about 1952
common cause (heterosis) and D&F	while IQ gains have persisted, Flynn 1984,
model is implausible for them.	"IQ gains and the Binet Decrements"
-	Journal of Educational Measurement 21
	Table 2)
	3. In Norway growth in height took place in
	the upper end of the distribution while IQ
	gain was greatest in lower end of the
	distribution (Flynn What is Intelligence
	2007 p105)
	4. Need to consider each "trend" individually.
	Autism could be increased use of diagnosis,
	height could be due to non-linear
	environmental effects or epigenetic
	phenomena.
Heterosis better explanation for	Heterosis effects are implausibly small. This is
secular gains than environmental	clear from Mingroni's own article but in
change	addition see Flynn What is Intelligence pp101-
	102 and 182-183.