Parameter	Variable	Value	
Assumed:Mean consumption growth $(\%)^{\dagger}$ Standard deviation of consumption growth $(\%)^{\dagger}$ Log risk-free rate $(\%)^{\dagger}$ Persistence coefficient^{\dagger}Utility curvatureStandard deviation of dividend growth $(\%)^{\dagger}$ Correlation between $\Delta d$ and $\Delta c$ Implied:Subjective discount factor^{\dagger}Steady-state surplus consumption ratioMaximum surplus consumption ratio	g σr <sup>f</sup> φ γ σ <sub>ω</sub> ρ δ <u>s</u> S <sub>max</sub>	1.89 1.50 0.94 0.87 2.00 11.2 0.2 0.89 0.057 0.094	
TABLE 1: PARAMETER CHOICES			

<sup>†</sup> Annualized values, e.g., 12g,  $\sqrt{12} \sigma$ ,  $12r^{f}$ ,  $\phi^{12}$ , and  $\delta^{12}$ , since the model is simulated at a monthly frequency.

Statistic	Consumption	Dividend	Postwar	Long
	Claim	Claim	Sample	Sample
	_			
E(Δc)	1.89†		1.89	1.72
σ(ΔC)	1.22 †		1.22	3.32
E(r <sup>f</sup> )	0.094 <sup>†</sup>		0.094	2.92
$E(r - r^f) / \sigma(r - r^f)$	0.43 <b>†</b>	0.33	0.43	0.22
$E(R - R^f) / \sigma(R - R^f)$	0.50		0.50	
E(r - r <sup>f</sup> )	6.64	6.52	6.69	3.90
σ(r - r <sup>f</sup> )	15.2	20.0	15.7	18.0
exp [E(p - d)]	18.3	18.7	24.7	21.1
σ(p - d)	0.27	0.29	0.26	0.27

## TABLE 2: Means and Standard Deviations of Simulated and Historical Data

Note - The model is simulated at a monthly frequency; statistics are calculated from artificial time-averaged data at an annual frequency. All returns are annual percentages.

<sup>†</sup> Statistics that model parameters were chosen to replicate.

Correlation of Stochastic Discount Factor With:						
	Consumption	Consumption Claim	Dividend Claim			
	Growth	Return	Return			
Monthly	.90	.99	.83			
Annual	.45	.99	.80			

## TABLE 3: Correlation of The Stochastic Discount Factor with Consumption Growth, Consumption Claim Return, and Dividend Claim Return

Note - The stochastic discount factor is

M 8	C <sub>i+1</sub>	S <sub>i+1</sub>	)_J
///i+1 = 0	Ci	Si	7









Fig. 4. - Historical price/dividend ratio and model predictions based on the history of consumption.