

TABLE VII  
TESTS FOR A UNIT ROOT

(a) Regression (12), Model A; $y_t = \hat{\mu} + \hat{\theta}DU_t + \hat{\beta}t + \hat{d}D(TB)_t + \hat{\alpha}y_{t-1} + \sum_{i=1}^k \hat{c}_i \Delta y_{t-i} + \hat{\varepsilon}_t$														
$T_B = 1929$	$T$	$\lambda$	$k$	$\hat{\mu}$	$t_{\hat{\mu}}$	$\hat{\theta}$	$t_{\hat{\theta}}$	$\hat{\beta}$	$t_{\hat{\beta}}$	$\hat{d}$	$t_{\hat{d}}$	$\hat{\alpha}$	$t_{\hat{\alpha}}$	$S(\hat{\varepsilon})$
Real GNP	62	0.33	8	3.441	5.07	-0.189	-4.28	0.0267	5.05	-0.018	-0.30	0.282	-5.03 <sup>a</sup>	0.0509
Nominal GNP	62	0.33	8	5.692	5.44	-0.360	-4.77	0.0359	5.44	0.100	1.09	0.471	-5.42 <sup>a</sup>	0.0694
Real per capita GNP	62	0.33	7	3.325	4.11	-0.102	-2.76	0.0111	4.00	-0.070	-1.09	0.531	-4.09 <sup>b</sup>	0.0555
Industrial production	111	0.63	8	0.120	4.37	-0.298	-4.58	0.0323	5.42	-0.095	-0.99	0.322	-5.47 <sup>a</sup>	0.0875
Employment	81	0.49	7	3.402	4.54	-0.046	-2.65	0.0057	4.26	-0.025	-0.77	0.667	-4.51 <sup>a</sup>	0.0295
GNP deflator	82	0.49	5	0.669	4.09	-0.098	-3.16	0.0070	4.01	0.026	0.53	0.776	-4.04 <sup>b</sup>	0.0438
Consumer prices	111	0.63	2	0.065	1.12	-0.004	-0.21	0.0005	1.75	-0.036	-0.79	0.978	-1.28	0.0445
Wages	71	0.41	7	2.38	5.45	-0.190	-4.32	0.0197	5.37	0.085	1.36	0.619	-5.41 <sup>a</sup>	0.0532
Money stock	82	0.49	6	0.301	4.72	-0.071	-2.59	0.0121	4.18	0.033	0.68	0.812	-4.29 <sup>b</sup>	0.0440
Velocity	102	0.59	0	0.050	0.932	-0.005	-0.20	-0.0002	-0.35	-0.136	-2.01	0.941	-1.66	0.0663
Interest rate	71	0.41	2	-0.018	-0.088	-0.343	-2.06	0.0105	2.64	0.197	0.64	0.976	-0.45	0.2787

  

(b) Regression (14), Model C; $y_t = \hat{\mu} + \hat{\theta}DU_t + \hat{\beta}t + \hat{\gamma}DT_t + \hat{d}D(TB)_t + \hat{\alpha}y_{t-1} + \sum_{i=1}^k \hat{c}_i \Delta y_{t-i} + \hat{\varepsilon}_t$																
$T_B = 1929$	$T$	$\lambda$	$k$	$\hat{\mu}$	$t_{\hat{\mu}}$	$\hat{\theta}$	$t_{\hat{\theta}}$	$\hat{\beta}$	$t_{\hat{\beta}}$	$\hat{\gamma}$	$t_{\hat{\gamma}}$	$\hat{d}$	$t_{\hat{d}}$	$\hat{\alpha}$	$t_{\hat{\alpha}}$	$S(\hat{\varepsilon})$
Common stock prices	100	0.59	1	0.353	4.09	-1.051	-4.29	0.0070	4.43	0.0139	3.98	0.128	0.76	0.718	-4.87 <sup>b</sup>	0.1402
Real wages	71	0.41	8	2.115	4.33	-0.190	-3.71	0.0107	3.79	0.0066	3.33	0.031	0.78	0.298	-4.28 <sup>c</sup>	0.0330

  

(c) Regression (10), Model B; $y_t = \hat{\mu} + \hat{\beta}t + \hat{\gamma}DT_t^* + \hat{y}_t$ ; $\hat{y}_t = \hat{\alpha}\hat{y}_{t-1} + \sum_{i=1}^k \hat{c}_i \Delta \hat{y}_{t-i} + \hat{\varepsilon}_t$												
$T_B = 1973:I$	$T$	$\lambda$	$k$	$\hat{\mu}$	$t_{\hat{\mu}}$	$\hat{\beta}$	$t_{\hat{\beta}}$	$\hat{\gamma}$	$t_{\hat{\gamma}}$	$\hat{\alpha}$	$t_{\hat{\alpha}}$	$S(\hat{\varepsilon})$
Quarterly real GNP	159	0.66	10	6.977	1160.51	0.0087	97.73	-0.0031	-12.06	0.86	-3.98 <sup>c</sup>	0.0097

NOTE: a, b, and c denote statistical significance at the 1%, 2.5%, and 5% level respectively.