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WHARTON ECONOMETRIC FORECASTING ASSOCIATES PHILADELPHIA--ETC F/G 5/3
INTERIM REPORT FOR OFFICE OF NAVAL RESEARCH. VOLUME II, (U)
NOV 77 M WACHTER, R M YOUNG

N00014-76-C-0782

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INTERIM REPORT
FOR
OFFICE OF NAVAL RESEARCH
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NOVEMBER 1, 1977

Volume II

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INDEX OF TABLES

TABLE NUMBER	FIRST PAGE	LAST PAGE	T A B L E T I T L E
1.00	28	29	SELECTED MAJOR ECONOMIC INDICATORS
2.00	30	30	GROSS NATIONAL PRODUCT IN CURRENT DOLLARS
2.10	32	32	% CHG GROSS NATIONAL PRODUCT IN CURRENT DOLLARS
3.00	31	31	GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS
3.10	33	33	% CHG GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS
4.00	34	35	PERSONAL CONSUMPTION IN CURRENT DOLLARS
5.00	35	36	PERSONAL CONSUMPTION IN CONSTANT DOLLARS
6.00	37	37	GROSS PRIVATE DOMESTIC INVESTMENT IN CURRENT DOLLARS
6.10	38	38	INVESTMENT ANTICIPATIONS IN CURRENT DOLLARS
7.00	39	40	GROSS PRIVATE DOMESTIC INVESTMENT IN CONSTANT DOLLARS
7.10	41	41	INVESTMENT ANTICIPATIONS IN CONSTANT DOLLARS
7.20	42	43	INVENTORY STOCKS AND DEFLATORS
7.30	44	45	ORDERS AND SHIPMENTS
8.00	46	47	EXPORTS & IMPORTS IN CURRENT DOLLARS
8.10	48	49	FOREIGN TRADE VARIABLES
9.00	50	51	FEDERAL GOVERNMENT RECEIPTS AND EXPENDITURES
10.00	51	52	STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES
11.00	53	54	GNP, NATIONAL INCOME, PERSONAL INCOME AND PERSONAL SAVINGS
12.00	55	56	NATIONAL INCOME BY TYPE
13.00	57	58	MONEY SUPPLY AND INTEREST RATES
14.00	59	59	SECTOR DEFLATORS
14.10	60	60	PERCENT CHANGE IN SECTOR DEFLATORS
15.00	61	62	FINAL DEMAND AND WHOLESALE PRICES
15.10	63	64	PERCENT CHANGE IN FINAL DEMAND AND WHOLESALE PRICES
16.00	65	68	EMPLOYMENT, HOURS AND WAGES
17.00	69	70	CAPITAL STOCKS, OUTPUT ORIGINATING, DEPRECIATION, USER COST
17.10	71	72	TABLE 17 CONTINUED
18.00	73	76	TAX RELATED VARIABLES
19.00	77	78	MISCELLANEOUS VARIABLES
19.10	79	80	MISCELLANEOUS VARIABLES CONTINUED
20.00	81	92	INDUSTRIAL SECTOR DETAIL
21.00	93	93	FRB INDUSTRIAL PRODUCTION INDICES
22.00	94	103	CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS
1.00	20	21	LABOR FORCE AND PARTICIPATION RATES
1.10	22	23	EMPLOYMENT AND UNEMPLOYMENT
1.20	24	25	UNEMPLOYMENT RATES AND POPULATION
1.30	26	27	CONSTANT ADJUSTMENTS TO LABOR FORCE EQUATIONS

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THE GLOSSARY OF QUARTERLY MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 6.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
.FMS	272	I	PERCENT CHANGE, MONEY SUPPLY(FMIS), ANNUAL RATE	PERCENT	TRANSFORMATION
.GNP	420	I	PERCENT CHANGE, REAL GROSS NATIONAL PRODUCT	PERCENT	SCB 6.9
.GMP	421	I	PERCENT CHANGE, GROSS NATIONAL PRODUCT	PERCENT	SCB 6.9
.PDGMP	422	I	PERCENT CHANGE, IMPLICIT DEFATOR, GROSS NATIONAL PRODUCT \$	PERCENT	SCB 6.9
.BLSDI	735	B	BLD INDEX, PRIVATE NONFARM ECONOMY, REAL COMPENSATION PER MANHR	1967 = 100.	EMPLOYBEARM C-10
.CCACPS	617	E	CAPITAL CONSUMPTION ADJUSTMENT, CORPORATE PROFITS	BILL CURRENT \$	SCB 1.13
.CCAPRAG	326	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT AG, FOREST & FISH	PERCENT	
.CCARMINA	330	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT RESIDUAL	PERCENT	
.CCARNTCM	333	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT COMMERCIAL & OTHER	PERCENT	
.CCARNTMFG	329	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT DURABLE MFG	PERCENT	
.CCARNTMFG	328	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT NONDURABLE MFG	PERCENT	
.CCARNTMNG	327	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT MINING	PERCENT	
.CCARNTMCC	332	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT COMMUNICATIONS	PERCENT	
.CCARNTMTR	330	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT TRANSPORTATION	PERCENT	
.CCARNTMRE	331	E	ANNUAL NOMINAL DEPRECIATION RATE, INVESTMENT ELEC, GAS&SANITARY	PERCENT	
.CCATS	479	B	CAPITAL CONSUMPTION ALLOWANCES WITH CAPITAL CONSUMPTION ADJ	BILL CURRENT \$	SCB 1.9
.CCATP16568	107	B	CAP CONS ALLOW, TOTAL, W/O CCA ADJ FI, INGRES, REAL ESTATE	BILL CURRENT \$	SCB 2.4
.CE	49	I	PERSONAL CONSUMPTION EXPENDITURES, TOTAL	BILL CURRENT \$	SCB 2.4
.CE3	136	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLE GOODS, TOTAL	BILL CURRENT \$	SCB 2.3
.CED	50	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLE GOODS, TOTAL	BILL CURRENT \$	SCB 2.4
.CED3	146	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLE GOODS, AUTOS & PARTS	BILL CURRENT \$	SCB 2.3
.CED4	48	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS, TOTAL	BILL CURRENT \$	SCB 2.4
.CED5	14	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS	BILL CURRENT \$	SCB 2.3
.CED6	1	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, USED CAR&ACC&PARTS	BILL CURRENT \$	TRANSFORMATION
.CED7	148	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, NEW CARS	BILL CURRENT \$	TRANSFORMATION
.CED8	127	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS & PARTS, NEW CARS	BILL CURRENT \$	TRANSFORMATION
.CED9	127	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS & PARTS, NEW CARS	BILL CURRENT \$	TRANSFORMATION
.CEDA	878	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS & PARTS, NEW CARS, DOMESTIC	BILL CURRENT \$	TRANSFORMATION
.CEDB	105	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, RECREATIONAL VEHICLES	BILL CURRENT \$	TRANSFORMATION
.CEDC	130	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, RECREATIONAL VEHICLES	BILL CURRENT \$	TRANSFORMATION
.CEDD	614	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, NEW & NET USED TRUCKS	BILL CURRENT \$	TRANSFORMATION
.CEDE	615	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS&PARTS, NEW & NET USED TRUCKS	BILL CURRENT \$	TRANSFORMATION
.CEDF	615	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDG	100	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDH	190	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDI	142	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDJ	127	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDK	132	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDL	21	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDM	126	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDN	21	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDO	76	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDP	52	B	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDQ	125	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDR	25	B	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDS	124	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDT	136	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDU	133	I	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION
.CEDV	114	R	PERSONAL CONSUMPTION EXPENDITURES, DURABLES, FURNITURE & HSHLD EQUIP	BILL CURRENT \$	TRANSFORMATION

THE WHARTON OF QUARTERLY VARIABLES FOR

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
DUMS002	250	E	DUMMY, SECOND QUARTER SEASONAL, ALL 2ND QTR=1.0, ZERO OTHERWISE		
DUMS003	251	E	DUMMY, THIRD QUARTER SEASONAL, ALL 3RD QTR=1.0, ZERO OTHERWISE		
DUMS1L501	150	E	DUMMY, 50 STEEL STRIKE EFFECTS, 1.0 IN 59, 17.0 OTHERWISE		
DUMS1L502	150	E	DUMMY, 50 STEEL STRIKE EFFECTS, 1.0 IN 59, 21.0 OTHERWISE		
DUMS1L503	150	E	DUMMY, BUREAU CRISIS, 1954-1-1957-12, 1.0, ZERO OTHERWISE		
DUMTIME	200	T	DUMMY, INTEREST RATE, 1.0 WHEN IS IS GREATER THAN 7L, 0.0 OTHERWISE		
DUMTIME	55	E	DUMMY, TIME TREND, 1948, 1 = 1.0		
DUMTCR54	437	E	DUMMY, CHANGE IN BUSINESS TAX LAWS, .33 IN 59, 21.0 THEREAFTER		
DUMTCR55	438	E	DUMMY, CHANGE IN BUSINESS TAX LAWS, .33 IN 59, 21.0 THEREAFTER		
DUMTCR56	439	E	DUMMY, CHANGE IN BUSINESS TAX LAWS, .33 IN 59, 21.0 THEREAFTER		
DUMTCR57	440	E	DUMMY, FEDERAL PERSONAL INCOME TAX-ORIGINAL LOW INCOME ALLOWANCE		
DUMTCR58	441	E	DUMMY, FEDERAL PERSONAL INCOME TAX-MODIFIED LOW INCOME ALLOWANCE		
DUMTCR59	442	E	DUMMY, ADJUSTMENT TO EFFECTIVE COMP TAX RATES IN FORECAST		
DUMTCR60	443	E	DUMMY, ADJUSTMENT TO STATUTORY PERSONAL TAX RATES IN FORECAST		
DUMTCR61	444	E	DUMMY, BUDGET TABLE - STATISTICAL DISCREPANCY FOR EXPENDITURES, 0		
DUMTCR62	445	E	DUMMY, BUDGET TABLE - STATISTICAL DISCREPANCY FOR REVENUES, 0		
DUMTCR63	446	E	DUMMY, CHANGE IN TAX LAWS		
DUMTCR64	447	E	DUMMY, IMPOSITION OF SURCHARGE		
DUMTCR65	448	E	DUMMY, 1971, 1.0, 0 OTHERWISE		
FPCASOS/0-08	515	E	PROPORTION, FED RESERVE HOLDINGS OF OTHER U.S. SECURITIES TO TOT	PERCENT	FRB A-55
FCCS1C3	509	R	CHANGE IN CONSUMER INSTALLMENT CREDIT OUTSTANDING	BILL CURRENT \$	FRB A-16
FCCS1C4	510	R	CHANGE IN CONSUMER INSTALLMENT CREDIT OUTSTANDING	BILL CURRENT \$	FRB A-16
FCCS1C5	511	R	CHANGE IN CONSUMER INSTALLMENT CREDIT OUTSTANDING	BILL CURRENT \$	FRB A-16
FCUS	5	R	CURRENCY IN CIRCULATION (IN THE HANDS OF THE PUBLIC)	BILL CURRENT \$	FRB A-16
FD003	252	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003A	253	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003B	254	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003C	255	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003D	256	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003E	257	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003F	258	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003G	259	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003H	260	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003I	261	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003J	262	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003K	263	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003L	264	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003M	265	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003N	266	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003O	267	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003P	268	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003Q	269	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003R	270	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003S	271	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003T	272	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003U	273	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003V	274	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003W	275	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003X	276	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003Y	277	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FD003Z	278	T	COMMERCIAL BANKS, DEPOSITS, DEMAND, TOTAL	BILL CURRENT \$	FRB A-16
FRMCS1M	413	R	YIELD, MONY'S CORPORATE BONDS, TOTAL SEASONED ISSUES	BASIS PYS/YEAR	FRB A-34
FRMCS1N	414	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1O	415	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1P	416	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1Q	417	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1R	418	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1S	419	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1T	420	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1U	421	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1V	422	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1W	423	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1X	424	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1Y	425	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS1Z	426	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2A	427	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2B	428	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2C	429	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2D	430	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2E	431	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2F	432	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2G	433	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2H	434	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2I	435	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2J	436	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2K	437	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2L	438	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2M	439	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2N	440	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2O	441	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2P	442	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2Q	443	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2R	444	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2S	445	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2T	446	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2U	447	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2V	448	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2W	449	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2X	450	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2Y	451	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34
FRMCS2Z	452	R	YIELD, MFW ISSUES, CORPORATE AAA UTILITY BONDS	BASIS PYS/YEAR	FRB A-34

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WHARTON E.F.A.
WHARTON E.F.A.
WHARTON E.F.A.
WHARTON E.F.A.

FRB A-55
FRB A-16
TRANSFORMATION
FRB A-16
FRB A-16
FRB A-16
FRB A-16
TRANSFORMATION
TRANSFORMATION
FRB A-17
TRANSFORMATION
TRANSFORMATION
FRB A-6
TRANSFORMATION
FRB-UNPUBLISHED
FRB A-32
FRB H.9
FRB H.9
FRB A-33
FRB A-34
TRANSFORMATION
FRB A-30
FRB H.9
FRB H.9
FRB A-34
FRB A-34
PERCENT/ANNUUM

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 6.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
FPRIME	471	R	PRIME RATE, LOANS BY LEADING CITY BANKS	PERCENT/ANNUUM	FBB A-12
FMRTRJMY	111	B	MARKET YIELD, 3-MONTH VARIABLE U.S. GOVERNMENT TREASURY BILLS	%/ANNUUM	FBB A-33
FREQD	246	E	EFFECTIVE RESERVE REQUIREMENT (% OF DEPOSITS), DEMAND DEPOSITS	PERCENT	FBR A-9
FREQT	203	E	EFFECTIVE RESERVE REQUIREMENT (% OF DEPOSITS), TIME DEPOSITS	PERCENT	FBR A-9
GMP	16	I	GROSS NATIONAL PRODUCT	BILL CONSTANT \$	SCB 1.2
GMP5	234	I	GROSS NATIONAL PRODUCT	BILL CURRENT \$	SCB 1.1
GMP5PLAN	662	I	PEAK VALUE, PER CAPITA REAL GROSS NATIONAL PRODUCT	BILL CONSTANT \$	TRANSFORMATION
GMP5PUT	756	E	POTENTIAL GMP (% REAL GROWTH)	BILL CONSTANT \$	TRANSFORMATION
GMP5S	222	I	FEDERAL GOVERNMENT EXPENDITURES, TOTAL	BILL CURRENT \$	SCB 3.2
GVE56	227	I	STATE & LOCAL GOVERNMENT EXPENDITURES, TOTAL	BILL CURRENT \$	SCB 3.4
GVE5A	210	E	FEDERAL GOVT EXPENDITURES, GRANTS-IN-AID TO STATE & LOCAL GOVTS	BILL CURRENT \$	SCB 3.2
GVP	211	I	FEDERAL GOVT EXPENDITURES, GRANTS-IN-AID TO STATE & LOCAL GOVTS	BILL CONSTANT \$	SCB 1.2
GVP5	203	I	GOVERNMENT PURCHASES OF GOODS AND SERVICES, FEDERAL	BILL CURRENT \$	SCB 3.2
GVP5D	204	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, FEDERAL, DEFENSE	BILL CONSTANT \$	TRANSFORMATION
GVP5S	204	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, FEDERAL, DEFENSE	BILL CURRENT \$	SCB 3.2
GVP5O	210	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, FEDERAL, NONDEFENSE	BILL CONSTANT \$	TRANSFORMATION
GVP5OS	205	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, FEDERAL, NONDEFENSE	BILL CURRENT \$	SCB 3.2
GVP5S	212	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, STATE AND LOCAL	BILL CONSTANT \$	SCB 1.2
GVP5S	207	B	GOVERNMENT PURCHASES OF GOODS AND SERVICES, STATE AND LOCAL	BILL CURRENT \$	SCB 3.4
GVP5T	47	I	GOVERNMENT PURCHASES OF GOODS & SERVICES, TOTAL	BILL CONSTANT \$	SCB 1.1
GVP5T	206	I	GOVERNMENT PURCHASES OF GOODS & SERVICES, DURABLE GOODS, AUTOS	BILL CURRENT \$	SCB 1.1
GVP5TDAVS	612	E	FEDERAL GOVERNMENT RECEIPTS, TOTAL	BILL CURRENT \$	SCB 3.16
GVP5T	213	I	FEDERAL GOVERNMENT RECEIPTS, TOTAL	BILL CURRENT \$	SCB 3.2
GVP5S	223	I	STATE & LOCAL GOVERNMENT RECEIPTS, TOTAL	BILL CURRENT \$	SCB 3.4
GVSUBTS	482	I	SUBSIDIES LESS CURRENT SURPLUS OF GOVERNMENT ENTERPRISES	BILL CURRENT \$	SCB 1.9
GVSUBTS	214	F	FEDERAL GOVT EXPENDITURES, SUBSIDIES - SURPLUS GOVT ENTERPRISES	BILL CURRENT \$	SCB 3.2
GVSUBTS	230	E	STATE/LOCAL GOVT EXPENDITURES, SUBSIDIES - SURPLUS GOVT ENTS	BILL CURRENT \$	SCB 3.4
GVSURPS	112	I	FEDERAL GOVT, SURPLUS OR DEFICIT, NATIONAL INCOME & PRODUCT ACCT	BILL CURRENT \$	SCB 3.2
GVSURPS	231	I	STATE/LOCAL GOVT, SURPLUS OR DEFICIT, NATIONAL INCOME & PRODUCT ACCT	BILL CURRENT \$	SCB 3.4
HQHTO	107	B	OCCUPIED HOUSING UNITS, OWNER, % OF YEAR-ROUND UNITS ON MARKET	PERCENT	CONSTRUC REV B-6
HQHTO	501	E	OCCUPIED HOUSING UNITS, RENTER, % OF YEAR-ROUND UNITS ON MARKET	PERCENT	CONSTRUC REV B-6
HQHTO	109	B	OCCUPIED HOUSING UNITS, RENTER, % OF YEAR-ROUND UNITS ON MARKET	PERCENT	CONSTRUC REV B-6
HSPR	113	I	HOUSING STARTS, PRIVATE (INCLUDING FARM), TOTAL	MILLIONS	CONSTRUC REV B-6
HSPR	24	A	HOUSING STARTS, PRIVATE (INCLUDING FARM), MULTIPLE UNIT STRUCTURES	MILLIONS	CONSTRUC REV B-6
HSPR51	30	A	HOUSING STARTS, PRIVATE (INCLUDING FARM), 1 UNIT STRUCTURES	MILLIONS	CONSTRUC REV B-6
IAGS	501	B	INVESTMENT, NEW PLANT & EQUIPMENT, FARM	BILL CURRENT \$	SCB 9-10
IAGS	174	I	INVESTMENT, NEW PLANT & EQUIPMENT, FARM	BILL CONSTANT \$	TRANSFORMATION
IACH	308	A	INVESTMENT, NEW PLANT & EQUIPMENT, COMMERCIAL & OTHER INDUSTRIES	BILL CURRENT \$	SCB 9-10
IACHS	100	I	INVESTMENT, NEW PLANT & EQUIPMENT, COMMERCIAL & OTHER INDUSTRIES	BILL CONSTANT \$	TRANSFORMATION
IACHS	162	I	INVESTMENT, NEW PLANT & EQUIPMENT, MANUFACTURING INDUSTRIES	BILL CURRENT \$	SCB E00 ISSUES
IACHS	167	I	INVESTMENT, NEW PLANT & EQUIPMENT, MANUFACTURING & MINING	BILL CONSTANT \$	TRANSFORMATION
IACHS	167	I	INVESTMENT, NEW PLANT & EQUIPMENT, MANUFACTURING & MINING	BILL CURRENT \$	SCB E00 ISSUES
IACHS	580	I	INVESTMENT, NEW PLANT & EQUIPMENT, MANUFACTURING & MINING	BILL CONSTANT \$	TRANSFORMATION
IACHS	106	I	INVESTMENT, NEW PLANT & EQUIPMENT, DURABLE MANUFACTURING	BILL CURRENT \$	SCB E00 ISSUES
IACHS	304	A	INVESTMENT, NEW PLANT & EQUIPMENT, DURABLE MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
IACHS	172	I	INVESTMENT, NEW PLANT & EQUIPMENT, DURABLE MANUFACTURING	BILL CURRENT \$	SCB E00 ISSUES
IACHS	303	B	INVESTMENT, NEW PLANT & EQUIPMENT, NONDURABLE MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
IACHS	173	I	INVESTMENT, NEW PLANT & EQUIPMENT, NONDURABLE MANUFACTURING	BILL CURRENT \$	SCB E00 ISSUES
IACHS	302	A	INVESTMENT, NEW PLANT & EQUIPMENT, MINING INDUSTRIES	BILL CONSTANT \$	TRANSFORMATION
IACHS	171	I	INVESTMENT, NEW PLANT & EQUIPMENT, MINING INDUSTRIES	BILL CURRENT \$	SCB E00 ISSUES

THE GLOSSARY OF QUARTERLY VARIABLES FOR 1967

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
IARG	166	I	INVESTMENT, NEW PLANT & EQUIPMENT, REGULATED INDUSTRIES	BILL CONSTANT \$	TRANSFORMATION
IARGC48	174	I	INVESTMENT, NEW PLANT & EQUIPMENT, REGULATED INDUSTRIES	BILL CURRENT \$	TRANSFORMATION
IARGC49	307	A	INVESTMENT, NEW PLANT & EQUIPMENT, COMMUNICATIONS	BILL CONSTANT \$	TRANSFORMATION
IARGC48	177	I	INVESTMENT, NEW PLANT & EQUIPMENT, COMMUNICATIONS	BILL CURRENT \$	SCB EOO ISSUES
IARGT	305	A	INVESTMENT, NEW PLANT & EQUIPMENT, TRANSPORTATION INDUSTRIES	BILL CONSTANT \$	TRANSFORMATION
IARGT8	175	I	INVESTMENT, NEW PLANT & EQUIPMENT, TRANSPORTATION INDUSTRIES	BILL CURRENT \$	TRANSFORMATION
IARGU48	306	B	INVESTMENT, NEW PLANT & EQUIPMENT, PUBLIC UTILITIES	BILL CONSTANT \$	SCB EOO ISSUES
IARGU49	176	I	INVESTMENT, NEW PLANT & EQUIPMENT, PUBLIC UTILITIES	BILL CURRENT \$	TRANSFORMATION
IARCM48	310	B	INVEST ANTIC, NEW PLANT&EQUIP, COMMERCIAL&COMMUN, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARCM48B	610	B	INVEST ANTIC, NEW PLANT&EQUIP, COMMERCIAL&COMMUN, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMF0	305	B	INVEST ANTIC, NEW PLANT & EQUIP, DUR MFG, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMPD	602	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, MFG DURABLES, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMFH	423	A	INVEST ANTIC, NEW PLANT&EQUIP, NONDUR MFG, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMFH	604	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, NONDUR MFG, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMG	54	B	INVEST ANTIC, NEW PLANT & EQUIP, MINING, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMG	600	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, MINING, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMT	505	B	INVEST ANTIC, NEW PLANT & EQUIP, TRANSPORT, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMT	606	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, TRANSPORT, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARPGU48	593	B	INVEST ANTIC, NEW PLANT&EQUIP, PUBLIC UTILITIES, 1 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARPGU49	600	A	INVEST ANTIC, NEW PLANT&EQUIP, PUBLIC UTILITIES, 1 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARPGU48	592	B	INVEST ANTIC, NEW PLANT&EQUIP, COMMERCIAL&COMMUN, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARCM48B	611	B	INVEST ANTIC, NEW PLANT&EQUIP, COMMERCIAL&COMMUN, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMPD	419	B	INVEST ANTIC, NEW PLANT & EQUIP, DUR MFG, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMPD	603	A	INVEST ANTICIPATION, NEW PLANT&EQUIP, DUR MFG, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMFH	431	A	INVEST ANTIC, NEW PLANT&EQUIP, NONDUR MFG, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMFH	605	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, NONDUR MFG, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARMG	176	B	INVEST ANTIC, NEW PLANT & EQUIP, MINING, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARMG	601	B	INVEST ANTICIPATION, NEW PLANT&EQUIP, MINING, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARPGT	596	A	INVEST ANTIC, NEW PLANT & EQUIP, TRANSPORT, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARPGT	607	A	INVEST ANTICIPATION, NEW PLANT&EQUIP, TRANSPORT, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARPGU48	594	B	INVEST ANTIC, NEW PLANT&EQUIP, PUBLIC UTILITIES, 2 QTR AHEAD	BILL CONSTANT \$	SCB EOO ISSUES
IARPGU49	609	B	INVEST ANTIC, NEW PLANT&EQUIP, PUBLIC UTILITIES, 2 QTR AHEAD	BILL CURRENT \$	TRANSFORMATION
IARRU48	309	B	INVESTMENT, CONCEPTUAL DIFFERENCE, SEA SURVEY VS MIA ACCOUNTS	BILL CONSTANT \$	TRANSFORMATION
IBAA	181	I	INVESTMENT, CONCEPTUAL DIFFERENCE, SEA SURVEY VS MIA ACCOUNTS	BILL CURRENT \$	TRANSFORMATION
IBF	191	I	INVESTMENT, FIRED, TOTAL	BILL CONSTANT \$	SCB 1,2
IBF	193	I	INVESTMENT, FIRED, TOTAL	BILL CURRENT \$	SCB 1,1
IBFN	49	J	INVESTMENT, FIRED, NONRESIDENTIAL, TOTAL	BILL CONSTANT \$	SCB 1,2
IBFN	184	I	INVESTMENT, FIRED, NONRESIDENTIAL, TOTAL	BILL CURRENT \$	SCB 1,1
IBFME	174	A	INVESTMENT, FIRED, NONRESIDENTIAL, PRODUCERS' DURABLE EQUIPMENT	BILL CONSTANT \$	SCB 1,2
IBFME	182	I	INVESTMENT, FIRED, NONRESIDENTIAL, PRODUCERS' DURABLE EQUIPMENT	BILL CURRENT \$	SCB 1,1
IBFMS	163	I	INVESTMENT, FIRED, NONRESIDENTIAL, DURABLE EQUIPMENT	BILL CONSTANT \$	SCB 1,2
IBFMS	164	I	INVESTMENT, FIRED, NONRESIDENTIAL, DURABLE EQUIPMENT	BILL CURRENT \$	SCB 1,1
IBFMB	185	I	INVESTMENT, FIRED, NONRESIDENTIAL, STRUCTURES	BILL CONSTANT \$	SCB 1,2
IBFN	25	B	INVESTMENT, FIRED, RESIDENTIAL STRUCTURES, TOTAL	BILL CURRENT \$	SCB 1,1
IBFN	190	I	INVESTMENT, FIRED, RESIDENTIAL STRUCTURES, TOTAL	BILL CONSTANT \$	SCB 1,2
IBIF	217	A	CHANGE IN BUSINESS INVENTORIES, FARM	BILL CURRENT \$	SCB 1,1
IBIF	217	A	CHANGE IN BUSINESS INVENTORIES, FARM	BILL CONSTANT \$	SCB 1,2
IBIM	61	I	CHANGE IN BUSINESS INVENTORIES, NONFARM	BILL CURRENT \$	SCB 1,1
IBIMS	196	B	CHANGE IN BUSINESS INVENTORIES, NONFARM	BILL CONSTANT \$	SCB 1,2

THE GLOSSARY OF MODEL VARIABLES FOR THE WASHINGTON QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
IBTMMF	34 I	CHANGE IN BUSINESS INVENTORIES, NONFARM, MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
IBTMOI	46 I	CHANGE IN BUSINESS INVENTORIES, NONFARM, OTHER	BILL CONSTANT \$	TRANSFORMATION
IBTMOT	476 I	CHANGE IN BUSINESS INVENTORIES, NONFARM, OTHER	BILL CONSTANT \$	TRANSFORMATION
IBIT	19 I	CHANGE IN BUSINESS INVENTORIES, TOTAL	BILL CONSTANT \$	SCB 1.2
IBITS	195 I	CHANGE IN BUSINESS INVENTORIES, TOTAL	BILL CURRENT \$	SCB 1.1
IBTDV	43 0	CHANGE IN DEALERS' AUTO INVENTORIES	BILL CONSTANT \$	SCB 1.17
IBT	192 I	INVESTMENT, GROSS PRIVATE DOMESTIC	BILL CONSTANT \$	SCB 1.2
IBTS	194 I	INVESTMENT, GROSS PRIVATE DOMESTIC	BILL CURRENT \$	SCB 1.1
IP	603 R	FBI INDUSTRIAL PRODUCTION INDEX, TOTAL	1967 = 100.	FBI 6.12.3
IPMF	604 0	FBI INDUSTRIAL PRODUCTION INDEX, MANUFACTURING	1967 = 100.	FBI 6.12.3
IPWF	605 0	FBI INDUSTRIAL PRODUCTION INDEX, MANUFACTURING, DURABLES	1967 = 100.	FBI 6.12.3
IPWFN	606 0	FBI INDUSTRIAL PRODUCTION INDEX, MANUFACTURING, NONDURABLES	1967 = 100.	FBI 6.12.3
IPWG	608 0	FBI INDUSTRIAL PRODUCTION INDEX, MINING	1967 = 100.	FBI 6.12.3
IPWG49	607 0	FBI INDUSTRIAL PRODUCTION INDEX, MINING AND UTILITIES	1967 = 100.	FBI 6.12.3
IPRQU9	609 0	FBI INDUSTRIAL PRODUCTION INDEX, UTILITIES	1967 = 100.	FBI 6.12.3
ITRAB	310 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, AG, FORESTRY & FISH	PERCENT	INTERPOLATED
ITRAB4	159 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, AGRICULTURE, FORESTRY & FISH	PERCENT	INTERPOLATED
ITRACH	317 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, COMMERCIAL & OTHER	PERCENT	INTERPOLATED
ITRANF0	313 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, DURABLE MFG	PERCENT	INTERPOLATED
ITRANF4	312 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, NONDURABLE MFG	PERCENT	INTERPOLATED
ITRANG	311 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, MINING	PERCENT	INTERPOLATED
ITRARGC48	316 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, COMMUNICATIONS	PERCENT	INTERPOLATED
ITRARGT	318 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, TRANSPORTATION	PERCENT	INTERPOLATED
ITRARGU9	315 E	EFFECTIVE INVESTMENT TAX CREDIT RATE, UTILITIES	PERCENT	INTERPOLATED
ITRM	537 E	STATUTORY INVESTMENT TAX CREDIT RATE, EQUIPMENT, ALL INDUSTRIES	PERCENT	IRS-PECHMAN
IVACS	96 0	INVENTORY VALUATION ADJ, CORPORATE INCOME	BILL CURRENT \$	SCB 1.13
IVAC3	303 I	CAPITAL STOCK, AGRICULTURE, FORESTRY & FISHERIES	BILL CONSTANT \$	TRANSFORMATION
IVAC4	306 I	CAPITAL STOCK, COMMERCIAL AND OTHER	BILL CONSTANT \$	TRANSFORMATION
IVACF0	304 I	CAPITAL STOCK, DURABLE MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
IVACFN	305 I	CAPITAL STOCK, NONDURABLE MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
IVACG	302 I	CAPITAL STOCK, MINING	BILLIONS CONST \$	TRANSFORMATION
IVACC48	309 I	CAPITAL STOCK, REGULATED INDUSTRIES	BILL CONSTANT \$	TRANSFORMATION
IVACGT	307 I	CAPITAL STOCK, COMMUNICATIONS	BILL CONSTANT \$	TRANSFORMATION
IVACGU9	308 I	CAPITAL STOCK, TRANSPORTATION	BILL CONSTANT \$	TRANSFORMATION
IVBA	351 I	CAPITAL STOCK, UTILITIES	BILL CONSTANT \$	TRANSFORMATION
IVBFN	110 I	CAPITAL STOCK, RESIDUAL	BILL CURRENT \$	TRANSFORMATION
IVBFB	409 I	CAPITAL STOCK, HOUSING	BILL CURRENT \$	SCB 5.10
IVBF	406 I	INVENTORY STOCK, FARM	BILL CONSTANT \$	SCB 5.10
IVBFN	201 I	INVENTORY STOCK, NONFARM	BILL CURRENT \$	SCB 5.9
IVBFB	411 I	INVENTORY STOCK, NONFARM	BILL CONSTANT \$	SCB 5.10
IVBFF0	208 I	INVENTORY STOCK, NONFARM, MANUFACTURING, TOTAL	BILL CURRENT \$	SCB 5.9
IVBFF4	207 I	INVENTORY STOCK, NONFARM, MANUFACTURING, DURABLE GOODS	BILL CONSTANT \$	SCB 5.10
IVBFFN	209 I	INVENTORY STOCK, NONFARM, MANUFACTURING, NONDURABLE GOODS	BILL CURRENT \$	SCB 5.9
IVBFFM	456 I	INVENTORY STOCK, NONFARM, MANUFACTURING, NONDURABLE GOODS	BILL CONSTANT \$	SCB 5.10
IVBFFMS	453 I	INVENTORY STOCK, NONFARM, MANUFACTURING, NONDURABLE GOODS	BILL CURRENT \$	SCB 5.9
IVBFFOT	47 I	INVENTORY STOCK, NONFARM, OTHER	BILL CONSTANT \$	SCB 5.10
IVBFFOT	459 R	INVENTORY STOCK, NONFARM, OTHER	BILL CONSTANT \$	SCB 5.10

THE GLOSSARY OF MODEL VARIABLES FOR
THE HANDBOOK OF QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
KIRIMR	695	I	INVENTORY STOCK, WHOLESALE & RETAIL TRADE	BILL CONSTANT \$	TRANSFORMATION
KIRIMRD	874	I	INVENTORY STOCK, WHOLESALE & RETAIL TRADE, DURABLE	BILL CONSTANT \$	TRANSFORMATION
KIDJMNNDNA	857	D	INVENTORY STOCK, WHOLESALE & RETAIL TRADE, NON-AUTO DURABLE	BILL CONSTANT \$	TRANSFORMATION
KIDJMNRN	858	D	INVENTORY STOCK, WHOLESALE & RETAIL TRADE, NONDURABLE	BILL CONSTANT \$	TRANSFORMATION
KIDIT	698	I	INVENTORY STOCK, TOTAL	BILL CONSTANT \$	9CB 5, 19
KINITAV	45	I	INVENTORY STOCK, NONFARM, AUTOS	BILL CONSTANT \$	TRANSFORMATION
KICIFMDS	880	D	BOOK VALUE, MFG INVENTORIES, BY STAGE, FINISHED GOODS, DURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	853	H	BOOK VALUE, MFG INVENTORIES, BY STAGE, FINISHED GOODS, NONDURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	849	D	BOOK VALUE, MFG INVENTORIES, BY STAGE, MATERIAL SUPPLY, DURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	860	D	BOOK VALUE, MFG INVENTORIES, BY STAGE, MATERIAL SUPPLY, NONDURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	838	D	BOOK VALUE, MFG INVENTORIES, BY STAGE, WORK IN PROGRESS, DURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	851	D	BOOK VALUE, MFG INVENTORIES, BY STAGE, WORK IN PROGRESS, NONDURABLE	BILL CURRENT \$	CENSUS M3 REPORT
KICIFMDS	870	D	BOOK VAL, MFG INV, BY STAGE, WORK IN PROG + MAT & SUP, NONDUR	CURRENT \$	TRANSFORMATION
KICIFMDS	870	D	BOOK VAL, MFG INV, BY STAGE, WORK IN PROG + MAT & SUP, NONDUR	CURRENT \$	TRANSFORMATION
KICIFMDS	283	I	STOCK OF REAL WEALTH	BILL CONSTANT \$	TRANSFORMATION
KICIFMDS	335	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, AG, FORESTRY & FISH	YEARS	INTERPOLATED
KICIFMDS	342	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, COMMERCIAL & OTHER	YEARS	INTERPOLATED
KICIFMDS	330	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, DURABLE MANUFACT	YEARS	INTERPOLATED
KICIFMDS	337	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, NONDURABLE MANUFACT	YEARS	INTERPOLATED
KICIFMDS	336	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, MINING	YEARS	INTERPOLATED
KICIFMDS	381	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, COMMUNICATIONS	YEARS	INTERPOLATED
KICIFMDS	339	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, TRANSPORTATION	YEARS	INTERPOLATED
KICIFMDS	380	E	TAX LIFE, EFFECTIVE, EQUIPMENT & STRUCTURES, UTILITIES	YEARS	INTERPOLATED
KICIFMDS	669	E	DUMMY FOR MONETARY INSTRUMENTS / WORK IN PROGRESS, NONDUR	RATIO	TRANSFORMATION
KICIFMDS	620	E	DUMMY FOR MONETARY INSTRUMENTS	RATIO	WHARTON E.F.A.
KICIFMDS	470	I	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, TOTAL	MILLIONS	EMPLOYBEARN 6-5
KICIFMDS	408	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, CONTRACT CONSTRUCTION	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	474	I	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, COMMERCIAL	MILLIONS	TRANSFORMATION
KICIFMDS	409	D	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, FINANCE, INSURANCE, REAL ESTATE	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	102	I	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, GOVERNMENT	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	490	F	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, GOVERNMENT, FEDERAL	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	511	E	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, GOVERNMENT, STATE & LOCAL	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	80	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, DURABLE MANUFACTURING	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	82	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, NONDURABLE MANUFACTURING	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	410	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, MINING	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	80	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, TRANSPORTATION	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	87	D	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, UTILITIES	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	86	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, WHOLESALE & RETAIL TRADE	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	86	R	EMPLOYEES ON NONAGRICULTURAL PAYROLLS, WHOLESALE & RETAIL TRADE	MILLIONS	EMPLOYBEARN 8-5
KICIFMDS	90	R	CIVILIAN LABOR FORCE, EMPLOYED, AGRICULTURE, TOTAL	MILLIONS	EMPLOYBEARN A-31
KICIFMDS	832	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, TOTAL	MILLIONS	TRANSFORMATION
KICIFMDS	817	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 16 - 19 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	818	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 20 - 24 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	819	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 25 - 34 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	820	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 35 - 44 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	821	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 45 - 54 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	822	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 55 - 64 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	823	I	CIVILIAN LABOR FORCE, EMPLOYED, FEMALES, 65 YEARS & OLDER	MILLIONS	TRANSFORMATION
KICIFMDS	810	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, TOTAL	MILLIONS	TRANSFORMATION
KICIFMDS	811	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 16 - 19 YEARS OLD	MILLIONS	TRANSFORMATION
KICIFMDS	812	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 20 - 24 YEARS OLD	MILLIONS	TRANSFORMATION

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
MEM25.34	812	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 25 - 34 YEARS OLD	MILLIONS	TRANSFORMATION
MEM35.44	813	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 35 - 44 YEARS OLD	MILLIONS	TRANSFORMATION
MEM45.54	814	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 45 - 54 YEARS OLD	MILLIONS	TRANSFORMATION
MEM55.64	815	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 55 - 64 YEARS OLD	MILLIONS	TRANSFORMATION
MEM65	816	I	CIVILIAN LABOR FORCE, EMPLOYED, MALES, 65 YEARS & OLDER	MILLIONS	TRANSFORMATION
MEMN	817	I	CIVILIAN LABOR FORCE, EMPLOYED, NONAGRICULTURE, TOTAL	MILLIONS	EMPLOYEARN A-31
MEMSE	533	E	CIV LABOR FORCE, EMPLOYED, NONAGRICULTURE, SELF-EMPLOYED	MILLIONS	EMPLOYEARN A-22
MEMHF	534	E	CIV LABOR FORCE, EMPLOYED, NONAGRICULTURE, UNPAID FAMILY WORKERS	MILLIONS	TRANSFORMATION
MEMNS-ET	80	E	CONCEPTUAL DIFFERENCE, HOUSEHOLD VS. ESTABLISHMENT EMPLOYMENT	MILLIONS	TRANSFORMATION
MEMT	101	I	CIVILIAN LABOR FORCE, EMPLOYED PERSONS, TOTAL	MILLIONS	TRANSFORMATION
MEM16.19	829	J	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 16 - 19 YEARS OLD	MILLIONS	TRANSFORMATION
MEM20.24	825	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 20 - 24 YEARS OLD	MILLIONS	TRANSFORMATION
MEM25.34	826	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 25 - 34 YEARS OLD	MILLIONS	TRANSFORMATION
MEM35.44	827	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 35 - 44 YEARS OLD	MILLIONS	TRANSFORMATION
MEM45.54	828	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 45 - 54 YEARS OLD	MILLIONS	TRANSFORMATION
MEM55.64	829	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 55 - 64 YEARS OLD	MILLIONS	TRANSFORMATION
MEM65	830	I	CIVILIAN LABOR FORCE, EMPLOYED, BOTH SEXES, 65 YEARS & OLDER	MILLIONS	TRANSFORMATION
MNPPC	390	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS- CONTRACT CONST	HOURS/WEK	EMPLOYEARN C-7
MNPPF	399	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS-FINANCE, INS ETC	HOURS/WEK	EMPLOYEARN C-7
MNPPFI	404	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS- MFG DURABLES	HOURS/WEK	EMPLOYEARN C-7
MNPPFN	401	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS- MFG NONDURABLE	HOURS/WEK	EMPLOYEARN C-7
MNPPG	400	I	AVG WEEKLY HOURS, PRODUCTION WORKERS ON NONAG PAYROLLS- MINING	HOURS/WEK	EMPLOYEARN C-7
MNPPV	100	I	AVG WEEKLY HOURS, PRODUCTION WORKERS ON NONAG PAYROLLS- PRIVATE	HOURS/WEK	EMPLOYEARN C-7
MNPPG	439	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS- REGULATED	HOURS/WEK	EMPLOYEARN C-7
MNPPV	402	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAYROLLS- SERVICES	HOURS/WEK	EMPLOYEARN C-7
MNPPN	403	I	AVG WEEKLY HOURS, PROD WORKERS ON NONAG PAY- WHOLESALE/RETAIL TRADE	HOURS/WEK	EMPLOYEARN C-7
MNPPV	579	E	AVG WEEKLY HOURS, EMPLOYEES ON NONAG PAYROLLS, GOVERNMENT	HOURS/WEK	TRANSFORMATION
MNPPC	720	O	CIVILIAN LABOR FORCE, TOTAL (AGES 16 YEARS & OVER)	MILLIONS	EMPLOYEARN A-31
MNPPF	407	I	CIV LABOR FORCE, FEMALES, 16-19	MILLIONS	BL9
MNPPFI	745	O	CIV LABOR FORCE, FEMALES, 20-24	MILLIONS	BL9
MNPPFN	746	O	CIV LABOR FORCE, FEMALES, 25-34	MILLIONS	BL9
MNPPG	747	O	CIV LABOR FORCE, FEMALES, 35-44	MILLIONS	BL9
MNPPV	748	O	CIV LABOR FORCE, FEMALES, 45-54	MILLIONS	BL9
MNPPC	749	O	CIV LABOR FORCE, FEMALES, 55-64	MILLIONS	BL9
MNPPF	750	O	CIV LABOR FORCE, FEMALES, 65 & OVER	MILLIONS	BL9
MNPPFI	738	O	CIV LABOR FORCE, MALES, 16-19	MILLIONS	BL9
MNPPFN	739	O	CIV LABOR FORCE, MALES, 20-24	MILLIONS	BL9
MNPPG	740	O	CIV LABOR FORCE, MALES, 25-34	MILLIONS	BL9
MNPPV	741	O	CIV LABOR FORCE, MALES, 35-44	MILLIONS	BL9
MNPPC	742	O	CIV LABOR FORCE, MALES, 45-54	MILLIONS	BL9
MNPPF	743	O	CIV LABOR FORCE, MALES, 55-64	MILLIONS	BL9
MNPPFI	744	O	CIV LABOR FORCE, MALES, 65+	MILLIONS	BL9
MNPPFN	749	I	LABOR FORCE, ARMED FORCES	MILLIONS	TRANSFORMATION
MNPPG	406	E	TOTAL LABOR FORCE (AGES 16 YEARS AND OVER)	MILLIONS	EMPLOYEARN A-31
MNPPV	673	R	TOTAL LABOR FORCE, MALES, AGES 25 THROUGH 34 YEARS	MILLIONS	EMPLOYEARN A-4
MNPPC	672	E	MANHOURS, CONTRACT CONSTRUCTION	BILLIONS/YEAR	TRANSFORMATION
MNPPF	372	O	MANHOURS, COMMERCIAL	BILLIONS/YEAR	TRANSFORMATION
MNPPFN	849	I			

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK A, 7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
NMLTFL	376 B	MANHOURS, FINANCE, INSURANCE AND REAL ESTATE	BILLIONS/YEAR	TRANSFORMATION
NMLTGV	375 J	MANHOURS, GOVERNMENT SECTOR	BILLIONS/YEAR	TRANSFORMATION
NMLTMD	81 B	MANHOURS, DURABLE MANUFACTURING	BILLIONS/YEAR	TRANSFORMATION
NMLTMM	83 B	MANHOURS, NONDURABLE MANUFACTURING	BILLIONS/YEAR	TRANSFORMATION
NMLTMC	375 B	MANHOURS, MINING INDUSTRIES	BILLIONS/YEAR	TRANSFORMATION
NMLTTP	582 J	MANHOURS, PRIVATE SECTOR	BILLIONS/YEAR	TRANSFORMATION
NMLTTR	85 B	MANHOURS, REGULATED INDUSTRIES	BILLIONS/YEAR	TRANSFORMATION
NMLTTS	373 B	MANHOURS, SERVICES	BILLIONS/YEAR	TRANSFORMATION
NMLTTR	374 B	MANHOURS, WHOLESALE AND RETAIL TRADE	BILLIONS/YEAR	TRANSFORMATION
NMS	501 J	NET NATIONAL PRODUCT	BILL CURRENT \$	SCB 1, 9
NPCMF16.19	704 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 16-19	MILLIONS	OLS
NPCMF20.24	705 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 20-24	MILLIONS	OLS
NPCMF25.34	706 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 25-34	MILLIONS	OLS
NPCMF35.44	707 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 35-44	MILLIONS	OLS
NPCMF45.54	708 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 45-54	MILLIONS	OLS
NPCMF55.64	709 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 55-64	MILLIONS	OLS
NPCMF65+	710 E	CIV NOMINSTITUTIONAL POPULATION, FEMALES, 65 & OVER	MILLIONS	OLS
NPCMM16.19	697 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 16-19	MILLIONS	OLS
NPCMM20.24	698 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 20-24	MILLIONS	OLS
NPCMM25.34	699 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 25-34	MILLIONS	OLS
NPCMM35.44	700 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 35-44	MILLIONS	OLS
NPCMM45.54	701 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 45-54	MILLIONS	OLS
NPCMM55.64	702 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 55-64	MILLIONS	OLS
NPCMM65+	703 E	CIV NOMINSTITUTIONAL POPULATION, MALES, 65 & OVER	MILLIONS	OLS
NPCM16+	737 E	CIV NOMINSTITUTIONAL POPULATION, 16 & OVER	MILLIONS	OLS
NPER	730 E	FERTILITY RATE OF WOMEN, AGES 15-19	NUMBER	MON VITAL STAT
NPER15.19	731 E	BIRTH RATE BY AGE OF MOTHER, AGES 15-19	NO, PER 1000	MON VITAL STAT
NPER20.24	732 E	BIRTH RATE BY AGE OF MOTHER, AGES 20-24	NO, PER 1000	MON VITAL STAT
NPER25.34	733 E	BIRTH RATE BY AGE OF MOTHER, AGES 25-34	NO, PER 1000	MON VITAL STAT
NPER35.44	734 E	BIRTH RATE BY AGE OF MOTHER, AGES 35-44	NO, PER 1000	MON VITAL STAT
NPSRF16.19	727 E	SCHOOL ENROLLMENT RATE, FEMALES, AGES 16-19	PERCENT	TRANSFORMATION
NPSRM16.19	728 E	SCHOOL ENROLLMENT RATE, MALES, AGES 16-19	PERCENT	TRANSFORMATION
NPSR20.24	31 E	U.S. POPULATION, TOTAL, MID-OTR ESTIMATE	MILLIONS	SCB 2, 1
NP14	558 E	POPULATION, NONINSTITUTIONAL, 16YRS AND OVER, INCL ARMED FORCES	MILLIONS	CUR POP REP P-25
NPTM16+	539 E	POPULATION, AGE 5-15	MILLIONS	73 EMP TABLE C23
NP105.15	539 E	U.S. POPULATION, AGES 16 THROUGH 19 YEARS	MILLIONS	73 EMP TABLE C1
NP116.19	725 B	U.S. POPULATION, AGES 16 THROUGH 19 YEARS	MILLIONS	TRANSFORMATION
NRALOC	800 I	LABOR FORCE PARTICIPATION RATE, BOTH SEXES, TOTAL	FRACTION	TRANSFORMATION
NRODIF	696 I	LABOR FORCE PARTICIPATION RATE, FEMALES, TOTAL	FRACTION	TRANSFORMATION
NRLT	767 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 16-19	FRACTION	TRANSFORMATION
NRLTF	749 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 20-24	FRACTION	TRANSFORMATION
NRLTF16.19	760 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 16-19	FRACTION	TRANSFORMATION
NRLTF20.24	761 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 20-24	FRACTION	TRANSFORMATION
NRLTF25.34	762 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 25-34	FRACTION	TRANSFORMATION
NRLTF35.44	763 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 35-44	FRACTION	TRANSFORMATION
NRLTF45.54	764 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 45-54	FRACTION	TRANSFORMATION
NRLTF55.64	765 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 55-64	FRACTION	TRANSFORMATION
NRLTF65+	559 I	LABOR FORCE PARTICIPATION RATE, FEMALES, AGES 65 & OLDER	FRACTION	TRANSFORMATION
NRLTMT	559 I	LABOR FORCE PARTICIPATION RATE, INTERPOLATED PEAK TO PEAK	PERCENT	TRANSFORMATION

THE GLOSSARY OF MODEL VARIABLES FOR MARK 4, 7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
NRL16.19	766	I	LABOR FORCE PARTICIPATION RATE, MALES, TOTAL	FRACTION	TRANSFORMATION
NRL16.20	752	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 16-19	FRACTION	TRANSFORMATION
NRL16.21	753	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 20-24	FRACTION	TRANSFORMATION
NRL16.22	754	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 25-34	FRACTION	TRANSFORMATION
NRL16.23	755	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 35-44	FRACTION	TRANSFORMATION
NRL16.24	756	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 45-54	FRACTION	TRANSFORMATION
NRL16.25	757	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 55-64	FRACTION	TRANSFORMATION
NRL16.26	758	I	LABOR FORCE PARTICIPATION RATE, MALES, AGES 65 & OLDER	FRACTION	TRANSFORMATION
NRL16.27	768	I	LABOR FORCE PARTICIPATION RATE, AGES 16-19	FRACTION	TRANSFORMATION
NRL16.28	769	I	LABOR FORCE PARTICIPATION RATE, AGES 20-24	FRACTION	TRANSFORMATION
NRL16.29	770	I	LABOR FORCE PARTICIPATION RATE, AGES 25-34	FRACTION	TRANSFORMATION
NRL16.30	771	I	LABOR FORCE PARTICIPATION RATE, AGES 35-44	FRACTION	TRANSFORMATION
NRL16.31	772	I	LABOR FORCE PARTICIPATION RATE, AGES 45-54	FRACTION	TRANSFORMATION
NRL16.32	773	I	LABOR FORCE PARTICIPATION RATE, AGES 55-64	FRACTION	TRANSFORMATION
NRL16.33	774	I	LABOR FORCE PARTICIPATION RATE, AGES 65 & OVER	FRACTION	TRANSFORMATION
NRL16.34	9	0	UNEMPLOYMENT RATE, CIVILIAN LABOR FORCE	PERCENT	EMPLOYEARN A-34
NRL16.35	800	I	UNEMPLOYMENT RATE, FEMALES, TOTAL	PERCENT	TRANSFORMATION
NRL16.36	718	0	UNEMPLOYMENT RATE FEMALES 16-19	PERCENT	BLS
NRL16.37	719	0	UNEMPLOYMENT RATE FEMALES 20-24	PERCENT	BLS
NRL16.38	720	0	UNEMPLOYMENT RATE FEMALES 25-34	PERCENT	BLS
NRL16.39	721	0	UNEMPLOYMENT RATE FEMALES 35-44	PERCENT	BLS
NRL16.40	722	0	UNEMPLOYMENT RATE FEMALES 45-54	PERCENT	BLS
NRL16.41	723	0	UNEMPLOYMENT RATE FEMALES 55-64	PERCENT	BLS
NRL16.42	724	0	UNEMPLOYMENT RATE FEMALES 65 & OVER	PERCENT	BLS
NRL16.43	800	I	UNEMPLOYMENT RATE, MALES, TOTAL	PERCENT	TRANSFORMATION
NRL16.44	550	0	UNEMPLOYMENT RATE, MALES, AGES 25 THROUGH 54 YEARS	PERCENT	EMPLOYEARN A-36
NRL16.45	711	0	UNEMPLOYMENT RATE MALES 16-19	PERCENT	BLS
NRL16.46	712	0	UNEMPLOYMENT RATE MALES 20-24	PERCENT	BLS
NRL16.47	713	0	UNEMPLOYMENT RATE MALES 25-34	PERCENT	BLS
NRL16.48	714	0	UNEMPLOYMENT RATE MALES 35-44	PERCENT	BLS
NRL16.49	715	0	UNEMPLOYMENT RATE MALES 45-54	PERCENT	BLS
NRL16.50	716	0	UNEMPLOYMENT RATE MALES 55-64	PERCENT	BLS
NRL16.51	717	0	UNEMPLOYMENT RATE MALES 65 & OVER	PERCENT	BLS
NRL16.52	801	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 16-19	PERCENT	TRANSFORMATION
NRL16.53	802	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 20-24	PERCENT	TRANSFORMATION
NRL16.54	803	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 25-34	PERCENT	TRANSFORMATION
NRL16.55	804	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 35-44	PERCENT	TRANSFORMATION
NRL16.56	805	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 45-54	PERCENT	TRANSFORMATION
NRL16.57	806	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 55-64	PERCENT	TRANSFORMATION
NRL16.58	807	I	UNEMPLOYMENT RATE, BOTH SEXES, AGES 65 & OLDER	PERCENT	TRANSFORMATION
NRL16.59	708	I	CIVILIAN LABOR FORCE, UNEMPLOYED, TOTAL	MILLIONS	TRANSFORMATION
NRL16.60	709	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, TOTAL	MILLIONS	TRANSFORMATION
NRL16.61	762	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 16-19	MILLIONS	TRANSFORMATION
NRL16.62	763	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 20-24	MILLIONS	TRANSFORMATION
NRL16.63	764	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 25-34	MILLIONS	TRANSFORMATION
NRL16.64	765	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 35-44	MILLIONS	TRANSFORMATION
NRL16.65	766	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 45-54	MILLIONS	TRANSFORMATION
NRL16.66	767	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 55-64	MILLIONS	TRANSFORMATION
NRL16.67	768	I	CIVILIAN LABOR FORCE, UNEMPLOYED, FEMALES, AGES 65 & OLDER	THOUSANDS	TRANSFORMATION

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
NUTM	766	I	CIVILIAN LABOR FORCE, UNEMPLOYED MALES	MILLIONS	TRANSFORMATION
NUTM16.19	775	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 16-19	MILLIONS	TRANSFORMATION
NUTM20.24	776	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 20-24	MILLIONS	TRANSFORMATION
NUTM25.34	777	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 25-34	MILLIONS	TRANSFORMATION
NUTM35.44	778	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 35-44	MILLIONS	TRANSFORMATION
NUTM45.54	779	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 45-54	MILLIONS	TRANSFORMATION
NUTM55.64	780	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 55-64	MILLIONS	TRANSFORMATION
NUTM65	781	I	CIVILIAN LABOR FORCE, UNEMPLOYED, MALES, AGES 65 & OLDER	MILLIONS	TRANSFORMATION
NUTM16.19	789	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 16-19	MILLIONS	TRANSFORMATION
NUTM20.24	790	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 20-24	MILLIONS	TRANSFORMATION
NUTM25.34	791	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 25-34	MILLIONS	TRANSFORMATION
NUTM35.44	792	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 35-44	MILLIONS	TRANSFORMATION
NUTM45.54	793	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 45-54	MILLIONS	TRANSFORMATION
NUTM55.64	794	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 55-64	MILLIONS	TRANSFORMATION
NUTM65	795	I	CIVILIAN LABOR FORCE, UNEMPLOYED, AGES 65 & OVER	MILLIONS	TRANSFORMATION
ORINCGS	867	I	NEW ORDERS NET, CAPITAL GOODS INDUSTRIES	BILL CURRENT \$	CENSUS M3 REPORT
ORINCCGS	873	E	NEW ORDERS NET, CAPITAL GOODS, DEFENSE	BILL CURRENT \$	CENSUS M3 REPORT
ORINACGS	863	B	NEW ORDERS NET, CAPITAL GOODS, NONDEFENSE	BILL CURRENT \$	CENSUS M3 REPORT
ORINADS	865	B	NEW ORDERS NET, CONSUMER DURABLE GOODS	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	678	I	NEW ORDERS NET, MANUFACTURING	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFD	850	I	NEW ORDERS NET, MANUFACTURING, DURABLES	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFDNAS	877	I	NEW ORDERS NET, MFG DURABLES, NON-AUTO	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFDOTHERS	866	B	NEW ORDERS NET, MFG, OTHER DURABLES	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	845	B	VALUE, MANUFACTURERS' NEW ORDERS, NONDURABLE GOODS INDUSTRIES	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	677	I	SHIPMENTS, MANUFACTURING, TOTAL	BILL CURRENT \$	TRANSFORMATION
ORINMFS	852	I	SHIPMENTS, MANUFACTURING, DURABLES	BILL CURRENT \$	TRANSFORMATION
ORINMFDNAS	871	A	SHIPMENTS MFG, DURABLES, NON-AUTO	BILL CURRENT \$	TRANSFORMATION
ORINMFD3713	864	B	VALUE, MFG SHIPMENTS, DURABLE, TRANS EQUIP, MOTOR VEH & PARTS	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	844	B	VALUE, MANUFACTURERS' SHIPMENTS, NONDURABLE GOODS INDUSTRIES	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	681	I	UNFILLED ORDERS, MANUFACTURES	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	841	B	ORDERS, UNFILLED, DURABLE MANUFACTURERS', TOTAL, EQO	BILL CURRENT \$	CENSUS M3 REPORT
ORINMFS	846	B	VALUE, MANUFACTURERS' UNFILLED ORDERS, NONDURABLE GOODS INDS	BILL CURRENT \$	CENSUS M3 REPORT
PC	373	B	CONSUMER PRICE INDEX, U.S., ALL ITEMS	1967 = 100.	BL3 CPI REPORT
PCCPA	79	B	CONSUMER PRICE INDEX, U.S., FOOD	1967 = 100.	BL3 CPI REPORT
PCSA	201	B	CONSUMER PRICE INDEX, U.S., SERVICES	1967 = 100.	BL3 CPI REPORT
PCSR	425	B	U.S. CONSUMER PRICE INDEX, RENT	1972 = 100.	BL3 CPI REPORT
PCSR72	33	B	CONSUMER PRICE INDEX, U.S., SERVICES, RENT	1972 = 100.	SCB 7.11
PCD	147	I	IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPENDITURES	1972 = 100.	SCB 7.11
PCED04	152	I	IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPENDITURES, DURABLES	1972 = 100.	SCB 7.11
PCED04P2VII	11	A	IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOS & PARTS	1972 = 100.	TRANSFORMATION
PCED04V	15	B	IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPENDITURES, DURABLES, AUTOSPARTS, NEW CARS	1972 = 100.	TRANSFORMATION
PCED04V	130	E	IMPLICIT DEFATOR, PERS CONSUM, DURABLES, AUTOSPARTS, REC VEHICLES	1972 = 100.	TRANSFORMATION
PCED04V	216	E	IMPLICIT DEFATOR, PERS CONSUM EXP, DUR, AUTOSPARTS, MEMUSED TRUCKS	1972 = 100.	TRANSFORMATION
PCED0F	141	A	IMPLICIT DEFATOR, PERS CONSUM, DURABLES, FURNITUREHOUSEHOLD EQUIP	1972 = 100.	SCB 7.11
PCED0F	20	A	IMPLICIT DEFATOR, PERS CONSUM, DURABLES, OTHER DURABLES	1972 = 100.	SCB 7.11
PCEDH	134	I	IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPEND, NONDURABLES	1972 = 100.	SCB 7.11
PCEDME	24	A	IMPLICIT DEFATOR, PERS CONSUM, NONDURABLES, CLOTHING & SHOES	1972 = 100.	SCB 7.11
PCEDME	22	B	IMPLICIT DEFATOR, PERS CONSUM, NONDURABLES, FOOD AND BEVERAGES	1972 = 100.	SCB 7.11

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
POCENG	106 B		IMPLICIT DEFATOR, PERS CONSUM, NONDURABLES, GASOLINE AND OIL	1972 = 100	SCB 7.11
POCENOH	115 B		IMPLICIT DEFATOR, PERS CONSUM, NONDURABLES, OTHER NONDURABLES	1972 = 100	TRANSFORMATION
POCEB	135 I		IMPLICIT DEFATOR, PERSONAL CONSUMPTION EXPENDITURES, SERVICES	1972 = 100	SCB 7.11
POCESM	119 B		IMPLICIT DEFATOR, PERSONAL CONSUM, SERVICES, HOUSING	1972 = 100	SCB 7.11
POCESU	131 B		IMPLICIT DEFATOR, PERS CONSUM, SERVICES, OTHER SERVICES	1972 = 100	SCB 7.11
POCE98	126 A		IMPLICIT DEFATOR, PERS CONSUM, SERVICES, HOUSEHOLD OPERATION	1972 = 100	SCB 7.11
POCE87	26 B		IMPLICIT DEFATOR, PERS CONSUM, SERVICES, TRANSPORTATION	1972 = 100	SCB 7.11
POCNP	74 I		IMPLICIT DEFATOR, GROSS NATIONAL PRODUCT	1972 = 100	SCB 7.11
POCUFF	209 I		IMPLICIT DEFATOR, GOVT PURCHASES OF GOODS & SERVICES, FEDERAL	1972 = 100	SCB 7.11
POGVFFU	318 B		IMPL DEF, GOVT PURCH OF GOODS&SVCS, FEDERAL, NON-COMPENSATION	1972 = 100	TRANSFORMATION
POGVPS	232 I		IMPLICIT DEFATOR, GOVT PURCHASES OF GOODS & SERVICES, STATELOCAL	1972 = 100	SCB 7.11
PDGVPSM	519 A		IMPL DEF, GOVT PURCH OF GOODS&SVCS, STATELOCAL, NON-COMPENSATION	1972 = 100	TRANSFORMATION
PDGVPT	59 I		IMPLICIT DEFATOR, GOVERNMENT PURCHASES OF GOODS AND SERVICES	1972 = 100	SCB 7.11
POIBFN	150 I		IMPLICIT DEFATOR, FIXED INVESTMENT, NONRESIDENTIAL, TOTAL	1972 = 100	SCB 7.11
POIBFNE	183 B		IMPLICIT DEFATOR, FIXED INVEST, NONRESIDENTIAL, PRODUCERS EQUIP	1972 = 100	SCB 7.11
POIBFNS	230 B		IMPLICIT DEFATOR, FIXED INVEST, NONRESIDENTIAL, STRUCTURES	1972 = 100	SCB 7.11
POIBFR	304 B		IMPLICIT DEFATOR, FIXED INVEST, RESIDENTIAL STRUCTURES, TOTAL	1972 = 100	SCB 7.11
POIEFRN	32 B		IMPLICIT DEFATOR, INVENTORY STOCK, NON FARM	1972 = 100	TRANSFORMATION
POIEGTH	868 B		IMPLICIT DEFATOR, INVENTORY STOCK, NON FARM	1972 = 100	TRANSFORMATION
POKIBHWF0	841 B		IMPLICIT DEFATOR, INVENTORY STOCK, MFG DURABLES	1972 = 100	TRANSFORMATION
POKIBHWFN	862 B		IMPLICIT DEFATOR, INVENTORY STOCK, MFG NONDURABLE	1972 = 100	TRANSFORMATION
POKIBHWF0	634 A		IMPLICIT DEFATOR, INVENTORY STOCK, STAGE OF PROCESS, MFG DURABLE	1972 = 100	TRANSFORMATION
POKIBHWFN	654 B		IMPLICIT DEFATOR, INVENTORY STOCK, STAGE OF PROCESS, MFG NONDUR	1972 = 100	TRANSFORMATION
PDWBCGVFG	520 B		IMPLICIT DEFATOR, GNP ORIG (COMPENSATION), GEN GOVT, FEDERAL	1972 = 100	SCB 7.5
PDWBCGVG	516 I		IMPLICIT DEFATOR, GNP ORIG (COMPENSATION), GENERAL GOVERNMENT	1972 = 100	SCB 7.5
PDWBCGVSG	521 A		IMPLICIT DEFATOR, GNP ORIG (COMPENSATION), GEN GOVT, ST & LOCAL	1972 = 100	SCB 7.5
PFPA	185 E		PRICES PAID BY FARMERS, ALL COMMODITIES AND SERVICES	1910-19100	SCB 8-7
PIER	235 E		PRICES RECEIVED BY FARMERS, ALL FARM PRODUCTS	1910-19100	SCB 8-7
PIEGDCH	509 B		IMPLICIT DEFATOR, U.S. EXPORTS OF GOODS AND SERVICES	1972 = 100	SCB 7.11
PIEGDGF	457 B		UNIT VALUE INDEX, U.S. DOMESTIC EXPORTS, CRUDE MATERIALS	1972 = 100	OSR TABLE 5
PIEGDGH	463 B		UNIT VALUE INDEX, U.S. DOM EXPORTS, MTD AVG, CRUDE & MFG'D FOODS	1972 = 100	OSR TABLE 5
PIEGDGM	444 E		UNIT VALUE INDEX, U.S. DOMESTIC EXPORTS, MANUFACTURED FOODS	1972 = 100	TRANSFORMATION
PIEGDGN	451 B		UNIT VALUE INDEX, U.S. DOM EXPORTS, MTD AVG, FISHED & SEMI MFG	1972 = 100	M03 SPEC TABLE B
PIEGDGM	446 E		UNIT VALUE PRICE INDEX (IM U.S.) OF WORLD TRADE	1972 = 100	OSR TABLE 5
PIEGDGM	430 E		IMPLICIT DEFATOR, U.S. IMPORTS OF GOODS AND SERVICES	1972 = 100	OSR TABLE 5
PIEGDGM	282 E		UNIT VALUE INDEX, U.S. GENERAL IMPORTS, CRUDE MATERIALS	1972 = 100	TRANSFORMATION
PIEGDGM	78 E		UNIT VALUE INDEX, U.S. GEN IMPORTS, AVERAGE, CRUDE & MFG'D FOODS	1972 = 100	OSR TABLE 5
PIEGDGM	298 E		UNIT VALUE INDEX, U.S. GENERAL IMPORTS, FINISHED MANUFACTURES	1972 = 100	TRANSFORMATION
PIEGDGM	459 B		U.S. DOMESTIC FUEL PRICE INDEX (FOR EXPORTS), COAL & CRUDE PETRO	1967 = 100	THOU CURRENT \$
PIEGDGM	117 B		UNIT VALUE INDEX, AVERAGE PRICE OF NEW CAR	1967 = 100	BL8 MPI REPORT
PIEGDGM	271 B		WHOLESALE PRICE INDEX, U.S., ALL COMMODITIES	1967 = 100	BL8 MPI REPORT
PIEGDGM	236 B		WHOLESALE PRICE INDEX, U.S., BY DURABILITY, TOTAL MANUFACTURES	1967 = 100	BL8 MPI REPORT
PIEGDGM	842 B		MPI, BY DURABILITY, DURABLE MANUFACTURES	1967 = 100	BL8 MPI REPORT
PIEGDGM	843 I		MPI, BY DURABILITY, DURABLE MANUFACTURES	1967 = 100	BL8 MPI REPORT
PIEGDGM	847 B		MPI, BY DURABILITY, NONDURABLE MANUFACTURES, N.S.A.	1967 = 100	BL8 MPI REPORT
PIEGDGM	848 I		MPI, BY DURABILITY, NONDURABLE MANUFACTURES, N.S.A.	1967 = 100	BL8 MPI REPORT
PIEGDGM	520 A		WHOLESALE PRICE INDEX, BY PROCESSING, CRUDE MATERIALS	1967 = 100	BL8 MPI REPORT
PIEGDGM	551 A		WHOLESALE PRICE INDEX, BY PROCESSING, FINISHED GOODS	1967 = 100	BL8 MPI REPORT
PIEGDGM	552 A		WHOLESALE PRICE INDEX, BY PROCESSING, FINISHED GOODS, CONSUMER	1967 = 100	BL8 MPI REPORT

THE GLOSSARY OF MODEL VARIABLES FOR THE HANSTON QUARTERLY MODEL MARK 5.7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
PHPPA	553 B	WHOLESALE PRICE INDEX, BY PROCESSING, FINISHED GOODS, PRODUCER	1967 = 100.	BLB MPI REPORT
PHPPB	556 B	WHOLESALE PRICE INDEX, BY PROCESSING, INTERMEDIATE MATERIALS	1967 = 100.	BLB MPI REPORT
PRAG	360 B	OUTPUT, PRICE DEFLATOR, AGRICULTURE, FORESTRY & FISHERIES	1972 = 100.	TRANSFORMATION
PRCC	289 A	OUTPUT, PRICE DEFLATOR, CONTRACT CONSTRUCTION	1972 = 100.	TRANSFORMATION
PRCM	367 I	IMPLICIT DEFLATOR, GROSS PROD ORIG, COMMERCIAL (CC+MR+SV+FI)	1972 = 100.	TRANSFORMATION
PRFI	291 B	OUTPUT, PRICE DEFLATOR, FINANCE, INSURANCE & REAL ESTATE	1972 = 100.	TRANSFORMATION
PRGV	293 I	OUTPUT, PRICE DEFLATOR, GOVERNMENT & GOVERNMENT ENTERPRISES	1972 = 100.	TRANSFORMATION
PRGVF	116 E	IMPLICIT DEFLATOR, GROSS PROD ORIG, FED, ST & LOCAL GOVT ENTERP	1972 = 100.	TRANSFORMATION
PRMF	284 I	IMPLICIT DEFLATOR, GROSS PROD ORIG, MANUFACTURING	1972 = 100.	TRANSFORMATION
PRMF0	362 B	OUTPUT, PRICE DEFLATOR, MANUFACTURING, DURABLES	1972 = 100.	TRANSFORMATION
PRMFH	363 B	OUTPUT, PRICE DEFLATOR, MANUFACTURING, NONDURABLES	1972 = 100.	TRANSFORMATION
PRMC	361 E	IMPLICIT DEFLATOR, GROSS PROD ORIG, MINING	1972 = 100.	TRANSFORMATION
PRP	532 I	IMPLICIT OUTPUT DEFLATOR, GNP ORIGINATING, PRIVATE SECTOR	1972 = 100.	TRANSFORMATION
PRRG	91 I	IMPLICIT DEFLATOR, GROSS PROD ORIG, REGULATED (MSTANGU49+RCC48)	1972 = 100.	TRANSFORMATION
PRRGC48	366 B	OUTPUT, PRICE DEFLATOR, COMMUNICATIONS	1972 = 100.	TRANSFORMATION
PRRT	368 B	OUTPUT, PRICE DEFLATOR, TRANSPORTATION	1972 = 100.	TRANSFORMATION
PRRGC49	365 B	OUTPUT, PRICE DEFLATOR, ELECTRIC, GAS & SANITARY SERVICES	1972 = 100.	TRANSFORMATION
PRRW	295 E	OUTPUT DEFLATOR, GNP ORIGINATING, PRIVATE SECTOR, REST OF WORLD	1972 = 100.	TRANSFORMATION
PRSV	292 B	OUTPUT, PRICE DEFLATOR, SERVICES	1972 = 100.	TRANSFORMATION
PRSR	296 B	OUTPUT, PRICE DEFLATOR, WHOLESALE & RETAIL TRADE	1972 = 100.	TRANSFORMATION
RAZRMPPV	661 I	REAL OUTPUT PER MANHOUR, PRIVATE	CONSTANT \$	TRANSFORMATION
RETS	691 I	UNDISTRIBUTED CORPORATE PROFITS, TOTAL	BILL CURRENT \$	SCB 1-13
REXCA	627 F	EXCHANGE RATE, U.S. CENTS PER CANADIAN DOLLAR	CENTS/UNIT	FBI A-90
REXFA	630 F	EXCHANGE RATE, U.S. CENTS PER FRENCH FRANC	CENTS/UNIT	FBI A-90
REXGF	632 E	EXCHANGE RATE, U.S. CENTS PER GERMAN MARK	CENTS/UNIT	FBI A-90
REXIT	631 F	EXCHANGE RATE, U.S. CENTS PER ITALIAN LIRE	CENTS/UNIT	FBI A-90
REXJA	633 F	EXCHANGE RATE, U.S. CENTS PER JAPANESE YEN	CENTS/UNIT	FBI A-90
REXKE	628 E	EXCHANGE RATE, U.S. CENTS PER MEXICAN PESO	CENTS/UNIT	FBI A-90
REXUK	629 E	EXCHANGE RATE, U.S. CENTS PER ENGLISH POUND	CENTS/UNIT	FBI A-90
REXWA	561 I	WEIGHTED AVERAGE, EXCHANGE RATE INDEX IN 6 COUNTRIES (IMPORT WT)	1950 = 100.	TRANSFORMATION
SABRRD4V	13 A	SALES, RETAIL, NEW PASSENGER CARS, DOMESTIC PLUS IMPORTS	MILLIONS	TRANSFORMATION
S05	73 E	STATISTICAL DISCREPANCY	BILL CURRENT \$	SCB 1,7
SUPICV3	588 E	COMP OF EMPLOYEES, SUPPLEMENTS, GOVT & GOVT ENTERPRISES	BILL CURRENT \$	TRANSFORMATION
SUPIS	472 I	COMPENSATION OF EMPLOYEES, SUPPLEMENTS TO WAGES & SALARIES	BILL CURRENT \$	SCB 1-13
SUPIS3	370 I	COMP OF EMPLOYEES, SUPPLEMENTS, EMPLOYER CONTRIB FOR SOCIAL INS	BILL CURRENT \$	SCB 1-13
SUPYD3	473 A	COMP OF EMPLOYEES, SUPPLEMENTS, OTHER LABOR INCOME	BILL CURRENT \$	SCB 1-13
T09	660 I	NET EXPORTS OF GOODS AND SERVICES	BILL CONSTANT \$	SCB 1-2
T09S	659 I	NET EXPORTS OF GOODS, TRACS & TEGDS	BILL CURRENT \$	SCB 1,1
TAC3	650 I	NET EXPORTS OF GOODS, TRACS & TEGDS - TACGS	BILL CURRENT \$	SCB 1,1
TE9	50 I	U.S. EXPORTS OF GOODS AND SERVICES	BILL CONSTANT \$	SCB 1,2
TE9S	270 I	U.S. EXPORTS OF GOODS AND SERVICES	BILL CURRENT \$	SCB 1,1
TEAS	651 F	U.S. EXPORTS, ADJ FACTOR FOR PERIODS WHEN TEAS(BOP) NE TEAS(MIA)	BILL CURRENT \$	TRANSFORMATION
TEAS3	650 E	U.S. EXPORTS, CONCEPTUAL ADJ BETWEEN CENSUS (TECDS) & BOP MERCH	BILL CURRENT \$	TRANSFORMATION
TEA05	592 F	U.S. EXPORTS, TRANSFERS UNDER U.S. MILITARY AGENCY SALE CONTRACT	BILL CURRENT \$	TRANSFORMATION
TEA05DMS	652 I	U.S. MERCHANDISE EXPORTS, ADJUSTED, EXCLUDING MILITARY	BILL CURRENT \$	TRANSFORMATION
TEAS5	505 I	U.S. EXPORTS, SERVICES, TOTAL	BILL CURRENT \$	TRANSFORMATION
TEB5IF3	507 A	U.S. EXPORTS, SERVICES, RECEIPTS OF INCOME ON U.S. INVEST ABROAD	BILL CURRENT \$	TRANSFORMATION
TEB5IF5	508 E	U.S. EXPORTS, SERVICES, OTHER	BILL CURRENT \$	TRANSFORMATION
TEB5T3	506 B	U.S. EXPORTS, SERVICES, TRANSPORTATION	BILL CURRENT \$	TRANSFORMATION

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 4.7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
TEB0TVS	453 B	U.S. EXPORTS, SERVICES, TRAVEL	BILL CURRENT \$	TRANSFORMATION
TEC003	500 I	U.S. DOMESTIC MERCHANDISE EXPORTS, SCHEDULE B SECTIONS, TOTAL	BILL CURRENT \$	TRANSFORMATION
TEC000+13	482 B	U.S. DOMESTIC EXPORTS, SCHED B, FOOD, BEVERAGES AND TOBACCO	BILL CURRENT \$	TRANSFORMATION
TEC02+43	456 B	U.S. DOMESTIC EXPORTS, SCHED B, CRUDE MATERIAL EXCEPT FUEL	BILL CURRENT \$	TRANSFORMATION
TEC033	458 B	U.S. DOMESTIC EXPORTS, SCHED B, MINERAL FUELS & LUBRICANTS, ETC	BILL CURRENT \$	TRANSFORMATION
TEC05_94	440 I	U.S. DOMESTIC EXPORTS, SCHED B, MANUFACTURED GOODS	BILL CURRENT \$	TRANSFORMATION
TEC05_9+3-2203	503 B	U.S. DOMESTIC MARCH EXPORTS, SECTIONS 5 THRU 9 - CARS - AIRCRAFT	BILL CURRENT \$	INTERPOLATED
TEC0PL4803	447 E	VOLUME OF U.S. AGRICULTURAL EXPORTS SHIPPED UNDER PUBLIC LAW 480	BILL CURRENT \$	TRANSFORMATION
TEUGTAG3	296 E	U.S. MERCHANDISE EXPORTS, END-USE, AGRICULTURAL PRODUCTS	BILL CURRENT \$	TRANSFORMATION
TEUK12203	450 E	U.S. MARCH EXPORTS, END-USE, CIVILIAN AIRCRAFT ENGINES & PARTS	BILL CURRENT \$	TRANSFORMATION
TEUR133	449 E	U.S. MERCHANDISE EXPORTS, END-USE, AUTOMOTIVE VEHICLES & PARTS	BILL CURRENT \$	TRANSFORMATION
IFR00MS	476 E	US TRANSACTIONS, CAPITAL GRANTS REC'D BY US (=ALLOCATION OF 80M)	BILL CURRENT \$	SCB 4.1
IFM	445 E	QUANTUM INDEX OF WORLD TRADE	1972 = 100	MBS SPEC TABLE B
IFMS	205 I	U.S. IMPORTS OF GOODS AND SERVICES	BILL CONSTANT \$	SCB 1.2
IFMS3	281 I	U.S. IMPORTS OF GOODS AND SERVICES	BILL CURRENT \$	SCB 1.1
IFMS3	654 E	U.S. IMPORTS, ADJ FACTOR FOR PERIODS WHEN THMS(BOP) NE THMS(MIA)	BILL CURRENT \$	TRANSFORMATION
IFMS3	453 E	U.S. IMPORTS, CONCEPTUAL DIFF BETWEEN CENSUS & BOP MERCHANDISE	BILL CURRENT \$	TRANSFORMATION
IFMS3	429 E	U.S. IMPORTS, DIRECT OFFENSE EXPENDITURES	BILL CURRENT \$	TRANSFORMATION
IFMS3	455 I	U.S. IMPORTS OF MERCHANDISE, ADJUSTED, EXCLUDING MILITARY	BILL CURRENT \$	TRANSFORMATION
IFMS3	428 I	U.S. IMPORTS, SERVICES	BILL CURRENT \$	TRANSFORMATION
IFMS3	259 B	U.S. IMPORTS, SERVICES, OTHER	BILL CURRENT \$	TRANSFORMATION
IFMS3	432 E	U.S. IMPORTS, SERVICES, OTHER	BILL CURRENT \$	TRANSFORMATION
IFMS3	249 B	U.S. IMPORTS, SERVICES, TRANSPORTATION	BILL CURRENT \$	TRANSFORMATION
IFMS3	155 B	U.S. IMPORTS, SERVICES, TRAVEL	BILL CURRENT \$	TRANSFORMATION
IFMS3	426 I	U.S. GENERAL IMPORTS, SCHEDULE A SECTIONS, TOTAL	BILL CURRENT \$	TRANSFORMATION
IFMS3	75 B	IMPORTS, U.S., FOOD & BEVERAGES	BILL CURRENT \$	TRANSFORMATION
IFMS3	266 B	U.S. GEN IMPORTS, SCHED A SECTIONS, CRUDE MATERIAL EXCEPT FUEL	BILL CURRENT \$	TRANSFORMATION
IFMS3	427 E	U.S. GEN IMPORTS, SCHED A SECTIONS, MINERAL FUELS & LUBRICANTS	BILL CURRENT \$	TRANSFORMATION
IFMS3	247 I	U.S. GENERAL IMPORTS, SCHED A SECTIONS, MANUFACTURED GOODS	BILL CURRENT \$	TRANSFORMATION
IFMS3	163 B	U.S. GEN IMPORTS, SCHED A, MANUFACTURED GOODS MINUS END-USE AUTO	BILL CURRENT \$	TRANSFORMATION
IFMS3	156 I	U.S. MERCHANDISE IMPORTS, END-USE, AUTOMOTIVE VEHICLES & PARTS	BILL CURRENT \$	TRANSFORMATION
IFMS3	157 F	U.S. MERCHANDISE IMPORTS, END-USE, AUTOS & PARTS, FROM CANADA	BILL CURRENT \$	TRANSFORMATION
IFMS3	160 B	U.S. MERCHANDISE IMPORTS, END-USE, AUTOPARTS, EXCEPT CANADIAN	BILL CURRENT \$	TRANSFORMATION
IFMS3	401 E	BUSINESS TRANSFER PAYMENTS	BILL CURRENT \$	SCB 1.9
IFMS3	217 I	FEDERAL GOVERNMENT EXPENDITURES, TRANSFER PAYMENTS, TOTAL	BILL CURRENT \$	SCB 3.2
IFMS3	527 E	FEDERAL GOVERNMENT EXPEND, TRANSFER PAYMENTS, TO FOREIGNERS, NET	BILL CURRENT \$	SCB 3.2
IFMS3	528 I	FEDERAL GOVERNMENT EXPENDITURES, TRANSFER PAYMENTS, TO PERSONS	BILL CURRENT \$	SCB 3.2
IFMS3	661 E	FED GOV'T TRANSFER TO PERSONS MINUS STATE UNEMP INSURANCE BENEFIT	BILL CURRENT \$	TRANSFORMATION
IFMS3	228 B	STATE & LOCAL GOVT EXPENDITURES, TRANSFER PAYMENTS TO PERSONS	BILL CURRENT \$	SCB 3.4
IFMS3	529 I	GOVERNMENT TRANSFER PAYMENTS TO PERSONS	BILL CURRENT \$	SCB 1.9
IFMS3	415 E	PERSONAL OUTLAYS, PERSONAL TRANSFER PAYMENTS TO FOREIGNERS	BILL CURRENT \$	SCB 2.1
IFMS3	3 I	TRANSFER PAYMENTS, TO PERSONS, TOTAL	BILL CURRENT \$	SCB 2.1
IFMS3	665 B	TRANSFER PAYMENTS, STATE UNEMPLOYMENT INSURANCE BENEFITS	BILL CURRENT \$	SCB 1.9
IFMS3	448 I	INDIRECT BUSINESS TAX AND MONTAX LIABILITY	BILL CURRENT \$	SCB 1.2
IFMS3	591 I	FEDERAL GOVT RECEIPTS, INDIRECT BUSINESS TAX & MONTAX ACCRUALS	BILL CURRENT \$	TRANSFORMATION
IFMS3	615 B	FED GOVT RECEIPTS, IND BUS TAX ACCRUALS, NON-OIL&GAS	BILL CURRENT \$	TRANSFORMATION
IFMS3	42 I	FED GOVT REC, INDIRECT BUS TAX&MONTAX ACCRUALS, NON-OIL	BILL CURRENT \$	TRANSFORMATION
IFMS3	633 B	FEDERAL GOVT RECEIPTS, GASOLINE EXCISE TAX COLLECTIONS	BILL CURRENT \$	DEA UNPUBLISHED
IFMS3	530 E	FED GOVT REC, INDIRECT BUS TAX & MONTAX ACCRUALS, CRUDE OIL	BILL CURRENT \$	DEA UNPUBLISHED

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 6, 7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
TXCBSS	225	I	STATE LOCAL GOVT RECEIPTS, INDIRECT BUSINESS TAX & MONTAX ACCRUALS	BILL CURRENT \$	SCB 3.4
TXCBSPS	143	B	STATE LMC GOVT RECEIPTS, INDJR BUS TAX ACCRUALS, PROPERTY TAXES	BILL CURRENT \$	SCB 3.4
TXCBSSRS	161	I	STATE LOCAL GOVT RECEIPTS, BUSINESS TAX & MONTAX ACCRUALS, OTHER	BILL CURRENT \$	TRANSFORMATION
TXCBSSGAS	440	B	STATE LOCAL RECEIPTS, IND BUS TAXMONTAXES, SALES TAX, STATE, GAS	BILL CURRENT \$	SCB 3.4
TXCBSSLTOTS	441	B	STATE LOCAL GOVT RECEIPTS, IND BUS TAX ACCRS, STATE LIQUORCO SALES TX	BILL CURRENT \$	TRANSFORMATION
TXCCFS	215	B	FEDERAL GOVERNMENT RECEIPTS, CORPORATE PROFITS TAX ACCRUALS	BILL CURRENT \$	SCB 3.2
TXCCSS	224	B	STATE & LOCAL GOVT RECEIPTS, CORPORATE PROFITS TAX ACCRUALS	BILL CURRENT \$	SCB 3.4
TXCCTS	407	I	PROFITS TAX LIABILITY, TOTAL	BILL CURRENT \$	SCB 1.13
TXCPS	497	I	PERSONAL TAX & MONTAX PAYMENTS, TOTAL	BILL CURRENT \$	SCB 2.1
TXCPFS	214	B	FEDERAL GOVERNMENT RECEIPTS, PERSONAL TAX AND MONTAX RECEIPTS	BILL CURRENT \$	SCB 3.2
TXCPSS	221	B	STATE & LOCAL GOVT RECEIPTS, PERSONAL TAX & MONTAX RECEIPTS	BILL CURRENT \$	SCB 3.4
TXCPTS	99	B	FEDERAL GOVERNMENT RECEIPTS, CONTRIBUTIONS FOR SOCIAL INSURANCE	BILL CURRENT \$	SCB 3.2
TXCPTS1	224	B	STATE & LOCAL GOVT RECEIPTS, CONTRIBUTIONS FOR SOCIAL INSURANCE	BILL CURRENT \$	SCB 3.4
TXCPTS2	330	I	CONTRIBUTIONS FOR SOCIAL INSURANCE, PERSONAL	BILL CURRENT \$	SCB 3.4
TXCPTS3	531	E	RATIO, EMPLOYEE CONTRIBUTIONS FOR SOCIAL INSURANCE TO TOTAL	RATIO	SCB 2.1
TXCPTS4	496	I	CONTRIBUTIONS FOR SOCIAL INSURANCE, TOTAL	BILL CURRENT \$	TRANSFORMATION
TXCPTS5	469	B	FEDERAL PERSONAL INCOME TAX, VALUE OF STD & ITEMIZED DEDUCTIONS	BILL CURRENT \$	SCB 1.9
TXCPTS6	470	B	FEDERAL PERSONAL INCOME TAX, NUMBER OF EXEMPTIONS CLAIMED	BILL CURRENT \$	TRANSFORMATION
TXCPTS7	471	E	FEDERAL PERSONAL INCOME TAX, STATUTORY VALUE OF EACH EXEMPTION	THOU CURRENT \$	TRANSFORMATION
TXCPTS8	461	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 1ST BRACKET RATE	RATIO	IRS
TXCPTS9	462	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 2ND BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS10	463	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 3RD BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS11	464	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 4TH BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS12	465	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 5TH BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS13	466	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 6TH BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS14	467	B	PROPORTION OF TAXABLE INCOME TAXED AT THE 7TH BRACKET RATE	RATIO	INCOME STAT-PERS
TXCPTS15	100	E	INCOME, MAXIMUM EARNED, SUBJECT TO SOCIAL SECURITY TAX	THOU CURRENT \$	IRS
TXCPTS16	666	E	INDEX, U.S. IMPORT DUTY RATE (DUTY COLLECTIONS AS % OF IMGS)	1972 = 100,	TRANSFORMATION
TXCPTS17	526	E	EFFECTIVE TAX RATE, OTHER STATE & LOCAL INDIRECT BUSINESS TAXES	PERCENT	TRANSFORMATION
TXCPTS18	834	E	FEDERAL TAX ON GASOLINE PER GALLON	CENTS/GALLON	TRANSFORMATION
TXCPTS19	310	E	EFFECTIVE CORPORATE TAX RATE, AGRICULTURE, FORESTRY & FISHERIES	PERCENT	TRANSFORMATION
TXCPTS20	325	E	EFFECTIVE CORPORATE TAX RATE, COMMERCIAL AND OTHER	PERCENT	TRANSFORMATION
TXCPTS21	321	E	EFFECTIVE CORPORATE TAX RATE, DURABLE MANUFACTURING	PERCENT	TRANSFORMATION
TXCPTS22	320	E	EFFECTIVE CORPORATE TAX RATE, NONDURABLE MANUFACTURING	PERCENT	TRANSFORMATION
TXCPTS23	319	E	EFFECTIVE CORPORATE TAX RATE, MINING	PERCENT	TRANSFORMATION
TXCPTS24	324	E	EFFECTIVE CORPORATE TAX RATE, COMMUNICATIONS	PERCENT	TRANSFORMATION
TXCPTS25	322	E	EFFECTIVE CORPORATE TAX RATE, UTILITIES	PERCENT	TRANSFORMATION
TXCPTS26	323	E	EFFECTIVE MARGINAL CORPORATE PROFITS TAX RATE	PERCENT	TRANSFORMATION
TXCPTS27	535	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#1, 90-3500	PERCENT	INTERPOLATED
TXCPTS28	540	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#2, 3500-81000	PERCENT	IRS-PECHMAN
TXCPTS29	541	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#3, 81000-81500	PERCENT	IRS-PECHMAN
TXCPTS30	542	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#4, 81500-82000	PERCENT	IRS-PECHMAN
TXCPTS31	543	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#5, 82000-86000	PERCENT	IRS-PECHMAN
TXCPTS32	544	F	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#6, 86000-88000	PERCENT	IRS-PECHMAN
TXCPTS33	545	F	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#7, 88000-88000	PERCENT	IRS-PECHMAN
TXCPTS34	546	F	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#8, 88000-88000	PERCENT	IRS-PECHMAN
TXCPTS35	547	F	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#9, 88000-88000	PERCENT	IRS-PECHMAN
TXCPTS36	548	E	FED PERSONAL INCOME TAX RATE, STATUTORY, BRACKET#10, 88000-88000	PERCENT	IRS-PECHMAN

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 6, 7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
TRBBE	836	E	STATE AND LOCAL GASOLINE TAX, CENTS PER GALLON	CENTS/GALLON	DEA
TRBTEF	99	E	SOCIAL SECURITY TAX RATE, EFFECTIVE, EMPLOYER PLUS EMPLOYEE	PERCENT	IRS
UCWAG	352	I	USER COST OF CAPITAL, AGRICULTURE, FORESTRY & FISHERIES		TRANSFORMATION
UCWCM	359	I	USER COST OF CAPITAL, COMMERCIAL AND OTHER		TRANSFORMATION
UCWMD	355	I	USER COST OF CAPITAL, DURABLE MANUFACTURING		TRANSFORMATION
UCWMPN	354	I	USER COST OF CAPITAL, NONDURABLE MANUFACTURING		TRANSFORMATION
UCWNG	353	I	USER COST OF CAPITAL, MINING		TRANSFORMATION
UCWRCB	358	I	USER COST OF CAPITAL, COMMUNICATIONS		TRANSFORMATION
UCWRET	356	I	USER COST OF CAPITAL, TRANSPORTATION		TRANSFORMATION
UCWGUAN	357	I	USER COST OF CAPITAL, UTILITIES		TRANSFORMATION
ULCAG	890	I	UNIT LABOR COST, AGRICULTURE		TRANSFORMATION
ULCCE	886	I	UNIT LABOR COST, CONTRACT CONSTRUCTION		TRANSFORMATION
ULCPT	887	I	UNIT LABOR COST, FINANCE INSURANCE & REAL ESTATE		TRANSFORMATION
ULCMFD	883	I	UNIT LABOR COST, MANUFACTURING DURABLES		TRANSFORMATION
ULCMFN	884	I	UNIT LABOR COST, MANUFACTURING NONDURABLES		TRANSFORMATION
ULCMG	885	I	UNIT LABOR COST, MINING		TRANSFORMATION
ULCNG	891	I	UNIT LABOR COST, REGULATED INDUSTRIES		TRANSFORMATION
ULCSV	888	I	UNIT LABOR COST, SERVICES		TRANSFORMATION
ULCWN	889	I	UNIT LABOR COST, WHOLESALE & RETAIL TRADE		TRANSFORMATION
WALD1	876	I	WAGE ACCRUALS LESS DISBURSEMENTS, TOTAL		SCB 1, 9
WALDGS	228	E	FEDERAL GOVERNMENT EXPENDITURES, WAGE ACCRUALS LESS DISBURSEMENT	BILL CURRENT \$	SCB 3, 2
WALDGS3	233	E	STATE/LOCAL GOVT EXPENDITURES, WAGE ACCRUALS LESS DISBURSEMENTS	BILL CURRENT \$	SCB 3, 4
WALDPS	586	F	WAGE ACCRUALS LESS DISBURSEMENTS, PRIVATE	BILL CURRENT \$	SCB 5, 1
WBCS	95	I	COMPENSATION OF EMPLOYEES, TOTAL	BILL CURRENT \$	SCB 1, 13
WBCAGS	812	I	EMPLOYEE COMPENSATION, AGRIC., FORESTRY, & FISHERIES	BILL CURRENT \$	DEA-UNPUBLISHED
WBCCE3	168	I	EMPLOYEE COMPENSATION, CONTRACT CONSTRUCTION	CURRENT \$	DEA-UNPUBLISHED
WBCCM3	881	I	EMPLOYEE COMPENSATION, COMMERCIAL	BILL CURRENT \$	TRANSFORMATION
WBCF13	393	I	EMPLOYEE COMPENSATION, FINANCE, INSURANCE & REAL ESTATE	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3	68	I	COMPENSATION OF EMPLOYEES, GOVERNMENT & LOCAL ENTERPRISES	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3F	555	F	COMPENSATION OF EMPLOYEES, FEDERAL + ST & LOCAL GOVT ENTERPRISES	BILL CURRENT \$	TRANSFORMATION
WBCV3FG	656	I	GMP ORIG. (COMPENSATION), GENERAL GOVERNMENT, FEDERAL	BILL CURRENT \$	SCB 1, 8
WBCV3FGS	390	I	GMP ORIG. (COMPENSATION), GENERAL GOVERNMENT, FEDERAL	BILL CURRENT \$	SCB 1, 7
WBCV3G	260	I	GMP ORIG. (COMPENSATION), GENERAL GOVERNMENT	BILL CONSTANT \$	SCB 1, 8
WBCV3GS	267	I	GMP ORIG. (COMPENSATION), GENERAL GOVERNMENT	BILL CURRENT \$	SCB 1, 7
WBCV3S	391	I	GMP ORIG. (COMPENSATION), GENERAL GOVERNMENT, STATE AND LOCAL	BILL CURRENT \$	SCB 1, 8
WBCV3S3	411	F	EMPLOYEE COMPENSATION, MANUFACTURING, DURABLES	BILL CURRENT \$	SCB 1, 7
WBCV3S3S	392	I	EMPLOYEE COMPENSATION, MANUFACTURING, NONDURABLES	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3	394	I	EMPLOYEE COMPENSATION, MINING	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3S	395	I	COMPENSATION OF EMPLOYEES, TRANSPORT & COMMUNICATION + UTILITIES	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3S3	386	E	COMPENSATION OF EMPLOYEES, REST OF WORLD	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3S3S	396	E	EMPLOYEE COMPENSATION, SERVICES	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3S3S3	397	I	EMPLOYEE COMPENSATION, WHOLESALE & RETAIL TRADE	BILL CURRENT \$	DEA-UNPUBLISHED
WBCV3S3S3S3S3S	163	I	PERSONAL INCOME, WAGE & SALARY DISBURSEMENTS, TOTAL	BILL CURRENT \$	SCB 2, 1
WBCV3S3S3S3S3S3	164	I	PERSONAL INCOME, WAGE & SALARY DISBURSEMENTS, GOVERNMENT	BILL CURRENT \$	SCB 2, 1
WBCV3S3S3S3S3S3S	478	I	COMPENSATION OF EMPLOYEES, WAGES & SALARIES	BILL CURRENT \$	SCB 1, 13
WBCV3S3S3S3S3S3S3	557	F	COMPENSATION OF EMPLOYEES, WAGES & SALARIES, GOVERNMENT CIVILIAN	BILL CURRENT \$	SCB 1, 13
WBCV3S3S3S3S3S3S3S	556	F	COMPENSATION OF EMPLOYEES, WAGES AND SALARIES, MILITARY	BILL CURRENT \$	SCB 1, 13
WBCV3S3S3S3S3S3S3S3	475	F	COMPENSATION OF EMPLOYEES, WAGES AND SALARIES, PRIVATE	BILL CURRENT \$	SCB 1, 13

THE GLOSSARY OF QUARTERLY VARIABLY MARK 4.7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
WRCCS	308 R	COMPENSATION PER MAN PER YEAR, AGRICULTURE, FORESTRY & FISHERIES	THOUSAND \$/YEAR	TRANSFORMATION
WRCCS	309 R	COMPENSATION PER MANHOUR, CONTRACT CONSTRUCTION	CURRENT \$/HOUR	TRANSFORMATION
WRCCS	303 R	COMPENSATION PER MANHOUR, FINANCE, INSURANCE AND REAL ESTATE	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	522 E	COMPENSATION PER MAN PER YEAR, FEDERAL GENERAL GOVT (INCL MIL)	THOUSAND \$/YEAR	TRANSFORMATION
WRCCVFS	523 E	COMPENSATION PER MAN PER YEAR, STATE & LOCAL GENERAL GOVERNMENT	THOUSAND \$/YEAR	TRANSFORMATION
WRCCVFS	566 I	COMPENSATION PER MANHOUR, MANUFACTURING AND MINING	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	378 I	COMPENSATION PER MANHOUR, MANUFACTURING, DURABLES	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	377 R	COMPENSATION PER MANHOUR, MANUFACTURING, NONDURABLES	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	368 R	COMPENSATION PER MANHOUR, MINING	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	301 R	COMPENSATION PER MANHOUR, PRIVATE SECTOR	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	379 R	COMPENSATION PER MANHOUR, REGULATED (TRANSPORT+COMMUN+PUB UTIL)	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	387 R	COMPENSATION PER MANHOUR, SERVICES	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	382 R	COMPENSATION PER MANHOUR, WHOLESALE AND RETAIL TRADE	CURRENT \$/HOUR	TRANSFORMATION
WRCCVFS	64 R	GROSS PRODUCT ORIGINATING, AGRICULTURE, FORESTRY & FISHERIES	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	513 I	GROSS PRODUCT ORIGINATING, AGRICULTURE, FORESTRY & FISHERIES	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	567 I	DUMMY, FORECAST PERIODS ONLY, XALOC=GNP-XSUM	BILL CONSTANT \$	WHARTON E.F.A.
WRCCVFS	588 I	DUMMY, FORECAST PERIODS ONLY, XALOC=GNP-XSUM	BILL CURRENT \$	WHARTON E.F.A.
WRCCVFS	56 R	GROSS PRODUCT ORIGINATING, CONTRACT CONSTRUCTION	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	388 I	GROSS PRODUCT ORIGINATING, CONTRACT CONSTRUCTION	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	253 I	GROSS PRODUCT ORIGINATING, COMMERCIAL (SUM XMR,XBV,XCC,XFI)	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	569 I	GROSS PRODUCT ORIGINATING, COMMERCIAL (SUM XMR,XBV,XCC,XFI)	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	72 E	GROSS PRODUCT ORIGINATING, RESIDUAL	BILL CONSTANT \$	WHARTON E.F.A.
WRCCVFS	573 E	GROSS PRODUCT ORIGINATING, RESIDUAL	BILL CURRENT \$	WHARTON E.F.A.
WRCCVFS	71 E	GROSS PRODUCT ORIGINATING, FINANCE, INSURANCE AND REAL ESTATE	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	164 I	GROSS PRODUCT ORIGINATING, FINANCE, INSURANCE AND REAL ESTATE	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	37 I	GROSS PRODUCT ORIGINATING, GOVERNMENT AND GOVERNMENT ENTERPRISES	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	571 I	GROSS PRODUCT ORIGINATING, GOVERNMENT AND GOVERNMENT ENTERPRISES	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	525 E	GROSS PRODUCT ORIGINATING, FEDERAL + ST & LOCAL GOVT ENTERPRISES	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	570 I	GROSS PRODUCT ORIGINATING, FEDERAL + ST & LOCAL GOVT ENTERPRISES	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	35 I	GROSS PRODUCT ORIGINATING, MANUFACTURING	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	48 I	GROSS PRODUCT ORIGINATING, MANUFACTURING	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	57 R	GROSS PRODUCT ORIGINATING, DURABLE	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	578 I	GROSS PRODUCT ORIGINATING, DURABLE GOODS IMDS	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	62 R	GROSS PRODUCT ORIGINATING, MANUFACTURING, NONDURABLE	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	577 I	GROSS PRODUCT ORIGINATING, MANUFACTURING, NONDURABLE	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	51 R	GROSS PRODUCT ORIGINATING, MINING	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	567 I	GROSS PRODUCT ORIGINATING, MINING	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	619 I	GMP ORIGINATING, PRIVATE SECTOR	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	583 I	GMP ORIGINATING, PRIVATE SECTOR	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	199 I	GROSS PRODUCT ORIGINATING, REGULATED IMDS (REGT+RGC+R+RUC+RUG)	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	568 I	GROSS PRODUCT ORIGINATING, REGULATED IMDS (REGT+RGC+R+RUC+RUG)	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	154 R	GROSS PRODUCT ORIGINATING, COMMUNICATIONS	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	575 I	GROSS PRODUCT ORIGINATING, REGULATED COMMUNICATIONS	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	65 R	GROSS PRODUCT ORIGINATING, TRANSPORTATION	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	574 I	GROSS PRODUCT ORIGINATING, REGULATED TRANSPORTATION	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	67 R	GROSS PRODUCT ORIGINATING, ELECTRIC, GAS AND SANITARY SERVICES	BILL CONSTANT \$	TRANSFORMATION
WRCCVFS	576 I	GROSS PRODUCT ORIGINATING, ELECTRIC, GAS AND SANITARY SVCS	BILL CURRENT \$	TRANSFORMATION
WRCCVFS	202 F	GMP ORIGINATING, PRIVATE SECTOR, REST OF WORLD	BILL CONSTANT \$	SCB 1.6

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK A, 7

VARIABLE	NUMBER TYPE	DESCRIPTION	UNITS	SOURCE
HR88	572 I	GMP ORIGINATING, PRIVATE SECTOR, REST OF WORLD	BILL CURRENT \$	SCB 1.7
XSV	69 B	GROSS PRODUCT ORIGINATING, SERVICES	BILL CONSTANT \$	TRANSFORMATION
XSVB	512 I	GROSS PRODUCT ORIGINATING, SERVICES	BILL CURRENT \$	DEA WORKFILE
XHR	60 B	GROSS PRODUCT ORIGINATING, WHOLESALE AND RETAIL TRADE	BILL CONSTANT \$	TRANSFORMATION
XHRB	165 I	GROSS PRODUCT ORIGINATING, WHOLESALE AND RETAIL TRADE	BILL CURRENT \$	DEA WORKFILE
VDVTS	492 A	DIVIDENDS, TOTAL	BILL CURRENT \$	SCB 1.13
VENTS	483 I	INCOME OF NONCORPORATE ENTS (PROPRIETORS), TOTAL, WITH IVA & CCA	BILL CURRENT \$	SCB 1.13
VENTBS	93 B	INCOME OF NONCOMP ENTS (PROPRIETORS), NONFARM, WITH IVASCCA ADJ	BILL CURRENT \$	SCB 1.13
VENTFS	149 B	INCOME OF NONCOMP ENTS (PROPRIETORS), FARM, WITH CCA ADJ	BILL CURRENT \$	SCB 1.13
VINTS	494 I	PERSONAL INTEREST INCOME	BILL CURRENT \$	SCB 2.1
VINTBS	485 B	NET INTEREST, NATIONAL INCOME	BILL CURRENT \$	SCB 1.13
VINTCS	414 B	PERSONAL OUTLAYS, INTEREST PAID BY CONSUMERS	BILL CURRENT \$	SCB 2.1
VINTGCS	493 I	INTEREST PAID BY GOVERNMENT (NET) AND BY CONSUMERS	BILL CURRENT \$	TRANSFORMATION
VINTGFS	110 A	FEDERAL GOVERNMENT EXPENDITURES, NET INTEREST PAID	BILL CURRENT \$	SCB 3.2
VINTGFFFS	616 C	FEDERAL GOVT EXPENDITURES, INTEREST PAID, TO FOREIGNERS	BILL CURRENT \$	SCB 3.2
VINTGSS	229 E	STATE & LOCAL GOVERNMENT EXPENDITURES, NET INTEREST PAID	BILL CURRENT \$	SCB 3.4
VMS	436 I	NATIONAL INCOME, TOTAL	BILL CURRENT \$	SCB 1.13
VPS	495 I	PERSONAL INCOME, TOTAL	BILL CURRENT \$	SCB 2.1
YPD	2 I	DISPOSABLE PERSONAL INCOME	BILL CONSTANT \$	SCB 2.1
YPOS	122 I	DISPOSABLE PERSONAL INCOME	BILL CURRENT \$	SCB 2.1
YPOUNTS	413 I	PERSONAL OUTLAYS, TOTAL	BILL CURRENT \$	SCB 2.1
YPOPC	490 I	DISPOSABLE PERSONAL INCOME, PER CAPITA	BILL CURRENT \$	SCB 2.1
YPOPCS	500 I	DISPOSABLE PERSONAL INCOME, PER CAPITA	BILL CURRENT \$	SCB 2.1
YPOSAYS	416 I	PERSONAL SAVINGS	CONSTANT \$	SCB 2.1
YPOSAYR	417 I	PERSONAL SAVINGS RATE - SAVINGS AS % OF DISPOSABLE INCOME	BILL CURRENT \$	SCB 2.1
YPTAX2S	668 I	INCOME, PERSONAL, ESTIMATED TAXABLE	BILL CURRENT \$	TRANSFORMATION
YPTAX3S	674 B	RENTAL INCOME OF PERSONS, WITH CAPITAL CONSUMPTION ADJUSTMENT	BILL CURRENT \$	TRANSFORMATION
YRENTS	484 B	TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	SCB 1.13
ZCAIP	634 E	CANADA, CONSUMER PRICE INDEX	1972 = 100.	OECD IND'L PROD
ZCAPC	620 E	CANADA, WHOLESALE PRICE INDEX, MANUFACTURED GOODS	1972 = 100.	INTER FIN STAT
ZCAPMA	641 E	CANADA, WHOLESALE PRICE INDEX, TOTAL	1972 = 100.	OECD MAIN ECON
ZFRIP	637 E	FRANCE, CONSUMER PRICE INDEX	1972 = 100.	OECD IND'L PROD
ZFRMMA	643 F	FRANCE, WHOLESALE PRICE INDEX, INTERMEDIATE GOODS	1972 = 100.	OECD MAIN ECON
ZGEIP	639 E	GERMANY, TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	OECD IND'L PROD
ZGEPCC	625 E	GERMANY, CONSUMER PRICE INDEX	1972 = 100.	INTER FIN STAT
ZGEPTEAU	151 E	GERMAN EXPORT PRICE, AUTOS & PARTS, DEUTSCHE MARKS	1972 = 100.	WIRTSCHAFT STAT
ZGEPMA	645 E	GERMANY, PRODUCER PRICE INDEX, INVESTMENT GOODS	1972 = 100.	OECD MAIN ECON
ZIIP	636 E	ITALY, TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	OECD IND'L PROD
ZIIPMA	644 F	ITALY, WHOLESALE PRICE INDEX, INVESTMENT GOODS	1972 = 100.	INTER FIN STAT
ZJAP	640 E	JAPAN, TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	OECD IND'L PROD
ZJAPC	626 E	JAPAN, CONSUMER PRICE INDEX	1972 = 100.	INTER FIN STAT
ZJAPMA	646 E	JAPAN, WHOLESALE PRICE INDEX, MANUFACTURED INVESTMENT GOODS	1972 = 100.	OECD MAIN ECON
ZMEIP	635 E	MEXICO, TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	OECD IND'L PROD
ZMEPC	621 E	MEXICO, CONSUMER PRICE INDEX	1972 = 100.	INTER FIN STAT
ZMORFR76	564 F	INDEX, NORWEGIAN FREIGHT RATES, TRAMP VRYAGE	1976 = 100.	178-IMP LIME 68A
ZUNIP	636 E	UNITED KINGDOM, TOTAL INDUSTRIAL PRODUCTION INDEX	1972 = 100.	OECD IND'L PROD
ZUNIPC	622 E	UNITED KINGDOM, CONSUMER PRICE INDEX	1972 = 100.	INTER FIN STAT

THE GLOSSARY OF MODEL VARIABLES FOR THE WHARTON QUARTERLY MODEL MARK 6.7

VARIABLE	NUMBER	TYPE	DESCRIPTION	UNITS	SOURCE
ZUNPWA	402	E	UNITED KINGDOM, WHOLESALE PRICE INDEX, MANUFACTURED GOODS	1972 = 100	OECD MAIN ECON
ZMACUMIP	452	E	WTD AVG, IND. CAPACITY UTILIZATION IN 6 WEST EUROPE COUNTRIES	PEAK = 100	WHARTON E.F.A.
ZMAJPG	565	I	WTD AVERAGE, INDUSTRIAL PRODUCTION IN 6 COUNTRIES, OECD WEIGHTS	1972 = 100	TRANSFORMATION
ZMAJPT	454	I	CANADA, WHOLESALE PRICE INDEX, FULLY & CHIEFLY MANUFACTURED GOODS	1972 = 100	TRANSFORMATION
ZMAPCETA	455	I	WTD AVERAGE, CPI IN 7 COUNTRIES, ADJ FOR EXCHG RATES (IMPORT MT)	1972 = 100	TRANSFORMATION
ZMAPCETA	216	I	WTD AVERAGE, CPI IN 7 COUNTRIES, ADJ FOR EXCHG RATES (TRAVEL MT)	1972 = 100	TRANSFORMATION
ZMAPPH	562	I	WEIGHTED AVG, WHOLESALE PRICE INDEX IN 6 COUNTRIES (IMPORT MT)	1972 = 100	TRANSFORMATION
ZMAPME	563	I	WTD AVG, MPI IN 6 COUNTRIES, ADJ FOR EXCHG RATE (IMPORT MT)	1972 = 100	TRANSFORMATION
ZMAPMED	265	I	WTD AVG, MPI IN 6 COUNTRIES, ADJ FOR EXCHG & IMPORT DUTY RATES	1972 = 100	TRANSFORMATION

THE WHARTON QUARTERLY MODEL MARK 4,6
SPECIAL (MM) FORECAST, OCTOBER 1977

LINE VAR LABEL	J Y M		1.00 LABOR FORCE AND PARTICIPATION RATES											
	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2	
LABOR FORCE IN MILLIONS														
1			5.021	5.110	5.116	5.110	5.119	5.210	5.211	5.211	5.211	5.211	5.211	5.211
2	NLCM10.19	U MALES 16 TO 19	7.791	7.944	8.063	8.066	8.070	8.088	8.099	8.110	8.110	8.110	8.110	8.110
3	NLCM20.24	U MALES 20 TO 24	14.861	15.118	15.473	15.899	16.077	16.240	16.399	16.544	16.679	16.804	16.919	17.024
4	NLCM25.34	U MALES 25 TO 34	10.581	10.723	10.871	11.016	11.122	11.200	11.263	11.318	11.373	11.428	11.483	11.538
5	NLCM35.44	U MALES 35 TO 44	10.211	10.353	10.499	10.644	10.734	10.800	10.855	10.900	10.945	10.990	11.035	11.080
6	NLCM45.54	U MALES 45 TO 54	7.061	7.064	7.067	7.066	7.065	7.064	7.063	7.062	7.061	7.060	7.059	7.058
7	NLCM55.64	U MALES 55 TO 64	1.791	1.776	1.761	1.746	1.731	1.716	1.701	1.686	1.671	1.656	1.641	1.626
8	NLCM65+	U MALES 65+	4.261	4.294	4.311	4.330	4.330	4.330	4.330	4.330	4.330	4.330	4.330	4.330
9	NLCF16.19	F FEMALES 16 TO 19	6.561	6.622	6.776	6.800	6.830	6.870	6.920	6.970	7.000	7.040	7.080	7.120
10	NLCF20.24	F FEMALES 20 TO 24	7.101	7.499	7.701	7.909	7.113	7.118	7.244	7.330	7.335	7.411	7.486	7.561
11	NLCF25.34	F FEMALES 25 TO 34	6.661	6.749	6.884	6.964	6.994	7.034	7.074	7.114	7.154	7.194	7.234	7.274
12	NLCF35.44	F FEMALES 35 TO 44	4.351	4.422	4.566	4.646	4.736	4.776	4.816	4.856	4.896	4.936	4.976	5.016
13	NLCF45.54	F FEMALES 45 TO 54	1.081	1.110	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116
14	NLCF55.64	F FEMALES 55 TO 64	-0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	NLCF65+	F FEMALES 65+	1.0001	1.0071	1.0091	1.0091	1.0091	1.0091	1.0091	1.0091	1.0091	1.0091	1.0091	1.0091
16	NLCM16.19	M MALES 16 TO 19	0.6151	0.6201	0.6301	0.6361	0.6361	0.6411	0.6431	0.6431	0.6431	0.6431	0.6431	0.6431
17	NLCM20.24	M MALES 20 TO 24	0.8491	0.8541	0.8581	0.8571	0.8561	0.8551	0.8531	0.8531	0.8531	0.8531	0.8531	0.8531
18	NLCM25.34	M MALES 25 TO 34	0.9571	0.9641	0.9711	0.9841	0.9871	0.9891	0.9921	0.9921	0.9921	0.9921	0.9921	0.9921
19	NLCM35.44	M MALES 35 TO 44	0.9721	0.9781	0.9841	0.9841	0.9841	0.9841	0.9841	0.9841	0.9841	0.9841	0.9841	0.9841
20	NLCM45.54	M MALES 45 TO 54	0.7431	0.7411	0.7401	0.7351	0.7321	0.7301	0.7281	0.7261	0.7261	0.7251	0.7251	0.7251
21	NLCM55.64	M MALES 55 TO 64	0.1961	0.1941	0.1931	0.1891	0.1881	0.1861	0.1851	0.1831	0.1811	0.1801	0.1781	0.1761
22	NLCM65+	M MALES 65+	0.7761	0.7821	0.7871	0.7911	0.7921	0.7921	0.7931	0.7931	0.7931	0.7931	0.7931	0.7931
23	NRLF16.19	F FEMALES 16 TO 19	0.5161	0.5171	0.5181	0.5191	0.5201	0.5211	0.5221	0.5231	0.5231	0.5231	0.5231	0.5231
24	NRLF20.24	F FEMALES 20 TO 24	0.6661	0.6661	0.6671	0.6691	0.6731	0.6751	0.6771	0.6791	0.6811	0.6841	0.6861	0.6861
25	NRLF25.34	F FEMALES 25 TO 34	0.5971	0.5841	0.5771	0.5691	0.5661	0.5651	0.5661	0.5671	0.5681	0.5701	0.5721	0.5721
26	NRLF35.44	F FEMALES 35 TO 44	0.5591	0.5581	0.5571	0.5591	0.5601	0.5601	0.5601	0.5601	0.5601	0.5601	0.5601	0.5601
27	NRLF45.54	F FEMALES 45 TO 54	0.4091	0.4141	0.4201	0.4331	0.4361	0.4391	0.4421	0.4441	0.4441	0.4441	0.4441	0.4441
28	NRLF55.64	F FEMALES 55 TO 64	0.0831	0.0841	0.0851	0.0871	0.0881	0.0881	0.0881	0.0881	0.0881	0.0881	0.0881	0.0881
29	NRLF65+	F FEMALES 65+	0.4051	0.4021	0.4021	0.4041	0.4051	0.4061	0.4071	0.4081	0.4081	0.4091	0.4091	0.4091
30	NRLF16.19	M MALES 16 TO 19	0.5651	0.5681	0.5711	0.5741	0.5771	0.5801	0.5821	0.5831	0.5841	0.5861	0.5871	0.5871
31	NRLF20.24	M MALES 20 TO 24	0.7551	0.7561	0.7591	0.7611	0.7611	0.7611	0.7611	0.7611	0.7611	0.7621	0.7631	0.7631
32	NRLF25.34	M MALES 25 TO 34	0.7711	0.7691	0.7691	0.7691	0.7701	0.7711	0.7721	0.7731	0.7741	0.7751	0.7771	0.7771
33	NRLF35.44	M MALES 35 TO 44	0.7271	0.7331	0.7391	0.7451	0.7511	0.7571	0.7631	0.7691	0.7751	0.7811	0.7871	0.7931
34	NRLF45.54	M MALES 45 TO 54	0.5671	0.5681	0.5711	0.5731	0.5741	0.5741	0.5741	0.5741	0.5741	0.5741	0.5741	0.5741
35	NRLF55.64	M MALES 55 TO 64	0.1291	0.1291	0.1301	0.1301	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291	0.1291
36	NRLF65+	M MALES 65+	0.6231	0.6241	0.6261	0.6261	0.6291	0.6301	0.6311	0.6321	0.6331	0.6341	0.6341	0.6341

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THE W H A R T I N Q U A R T E R L Y M O D E L M A R K 4.6
S P I C I A L U N H F O R E C A S T I O C T O B E R 1 9 7 7

TABLE 1.00 LABOR FORCE AND PARTICIPATION RATES
1980.3 1980.4 1981.1 1981.2 1981.3 1981.4 1982.1 1982.2 1977 1978 1979 1980 1981 1981

LINE VAR LABEL	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
LABOR FORCE IN MILLIONS													
1 NLCM16.19	5.20	5.16	5.13	5.11	5.07	5.03	4.99	4.95	4.95	5.10	5.20	5.21	5.12
2 NLCM20.19	8.09	8.10	8.14	8.14	8.14	8.12	8.10	8.10	7.84	8.00	8.08	8.09	8.12
3 NLCM25.14	17.12	17.27	17.46	17.64	17.72	17.71	17.69	17.70	14.63	15.65	16.31	16.91	17.52
4 NLCM35.44	11.80	11.87	11.91	11.95	12.09	12.33	12.58	12.80	10.54	11.01	11.35	11.67	11.96
5 NLCM45.54	10.21	10.19	10.17	10.15	10.13	10.12	10.11	10.09	10.24	10.33	10.32	10.24	10.16
6 NLCM55.64	7.13	7.15	7.18	7.22	7.27	7.31	7.35	7.41	7.02	7.06	7.05	7.04	7.21
7 NLCM65.4	1.67	1.66	1.64	1.63	1.61	1.60	1.58	1.56	1.60	1.75	1.73	1.64	1.63
F E M A L E S													
11 NLCF16.19	4.33	4.31	4.30	4.29	4.26	4.26	4.24	4.22	4.22	4.30	4.30	4.32	4.30
12 NLCF20.24	7.12	7.16	7.20	7.25	7.28	7.30	7.32	7.35	6.48	6.73	6.90	7.06	7.22
13 NLCF25.34	10.43	10.55	10.70	10.85	10.95	10.99	11.04	11.10	9.61	9.65	9.84	10.25	10.76
14 NLCF35.44	7.53	7.58	7.60	7.62	7.71	7.66	7.62	7.61	7.00	7.03	7.21	7.44	7.63
15 NLCF45.54	7.00	7.01	7.01	7.01	7.01	7.01	7.00	7.00	6.70	6.82	6.94	7.00	7.01
16 NLCF55.64	4.98	5.01	5.03	5.06	5.08	5.10	5.12	5.13	4.36	4.59	4.74	4.94	5.04
17 NLCF65.4	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.08	1.14	1.19	1.21	1.22
18 NLCOFF	-0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000	-0.021	0.000	0.000	0.000	0.000
19 NLCALOC	1.007	1.006	1.006	1.006	1.006	1.006	1.005	1.004	1.002	1.009	1.008	1.007	1.006
P A R T I C I P A T I O N R A T E S													
23 NRLTM16.19	0.647	0.647	0.648	0.648	0.648	0.648	0.649	0.649	0.606	0.631	0.641	0.644	0.648
24 NRLTM20.24	0.844	0.842	0.841	0.840	0.839	0.838	0.838	0.837	0.854	0.854	0.854	0.846	0.840
25 NRLTM25.34	0.992	0.991	0.991	0.990	0.989	0.988	0.987	0.985	0.956	0.979	0.984	0.992	0.990
26 NRLTM35.44	0.908	0.909	0.910	0.911	0.913	0.914	0.914	0.914	0.954	0.965	0.965	0.967	0.971
27 NRLTM45.54	0.943	0.942	0.942	0.942	0.941	0.941	0.941	0.941	0.914	0.932	0.941	0.943	0.942
28 NRLTM55.64	0.727	0.726	0.730	0.732	0.735	0.738	0.741	0.745	0.741	0.738	0.729	0.726	0.731
29 NRLTM65.4	0.176	0.174	0.172	0.169	0.167	0.165	0.163	0.161	0.198	0.191	0.186	0.179	0.170
30 NRLTM	0.793	0.793	0.793	0.793	0.794	0.794	0.794	0.795	0.778	0.789	0.792	0.793	0.793
F E M A L E S													
33 NRLTF16.19	0.531	0.532	0.534	0.536	0.536	0.536	0.542	0.544	0.508	0.519	0.522	0.528	0.535
34 NRLTF20.24	0.689	0.691	0.693	0.695	0.698	0.700	0.703	0.706	0.660	0.670	0.676	0.685	0.694
35 NRLTF25.34	0.574	0.575	0.577	0.579	0.581	0.583	0.585	0.587	0.584	0.571	0.566	0.571	0.578
36 NRLTF35.44	0.574	0.574	0.575	0.576	0.577	0.578	0.579	0.580	0.587	0.571	0.564	0.572	0.576
37 NRLTF45.54	0.606	0.607	0.609	0.610	0.611	0.611	0.612	0.612	0.557	0.574	0.591	0.603	0.609
38 NRLTF55.64	0.451	0.452	0.453	0.454	0.455	0.456	0.457	0.458	0.411	0.427	0.441	0.449	0.454
39 NRLTF65.4	0.088	0.087	0.087	0.087	0.087	0.086	0.086	0.086	0.083	0.086	0.088	0.088	0.087
40 NRLTF	0.494	0.495	0.496	0.497	0.498	0.498	0.501	0.502	0.480	0.483	0.486	0.492	0.497
A L L P E R S O N S													
43 NRLT16.19	0.586	0.589	0.590	0.591	0.593	0.594	0.595	0.596	0.557	0.574	0.581	0.586	0.591
44 NRLT20.24	0.763	0.764	0.764	0.765	0.766	0.767	0.768	0.769	0.755	0.760	0.761	0.763	0.765
45 NRLT25.34	0.777	0.778	0.778	0.779	0.780	0.780	0.780	0.781	0.765	0.769	0.772	0.776	0.779
46 NRLT35.44	0.764	0.765	0.765	0.767	0.768	0.769	0.770	0.771	0.765	0.761	0.759	0.762	0.766
47 NRLT45.54	0.769	0.769	0.770	0.770	0.771	0.771	0.771	0.771	0.729	0.746	0.760	0.767	0.770
48 NRLT55.64	0.581	0.582	0.583	0.583	0.584	0.584	0.584	0.584	0.567	0.574	0.576	0.579	0.584
49 NRLT65.4	0.123	0.122	0.121	0.120	0.119	0.118	0.117	0.116	0.130	0.129	0.128	0.125	0.121
50 NRLT	0.635	0.636	0.636	0.637	0.638	0.639	0.639	0.640	0.621	0.628	0.631	0.634	0.637

A PRODUCT OF "MARKET" (E.A.) 4675 CHESTNUT ST., PHILA., PA 19104 WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

TABLE 1.10 EMPLOYMENT AND UNEMPLOYMENT
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	UNIT	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	EMPLOYMENT IN MILLIONS													
2	MEM16.19	4.14	4.17	4.20	4.22	4.25	4.28	4.30	4.32	4.33	4.34	4.35	4.36	4.36
3	MEM20.24	6.98	7.02	7.07	7.10	7.15	7.20	7.22	7.24	7.27	7.28	7.30	7.30	7.31
4	MEM25.34	14.02	14.37	14.55	14.70	14.86	15.04	15.22	15.39	15.55	15.70	15.87	16.02	16.16
5	MEM35.44	10.20	10.34	10.46	10.55	10.64	10.73	10.81	10.90	10.99	11.07	11.16	11.23	11.32
6	MEM45.54	9.87	9.86	9.91	9.94	9.97	9.98	9.98	9.97	9.96	9.95	9.94	9.91	9.89
7	MEM55.64	6.83	6.79	6.80	6.81	6.81	6.81	6.81	6.80	6.80	6.81	6.82	6.84	6.86
8	MEM65+	1.91	1.87	1.87	1.86	1.86	1.85	1.85	1.84	1.84	1.83	1.82	1.81	1.80
9	MEM	53.74	54.23	54.66	55.00	55.35	55.69	55.99	56.27	56.53	56.78	57.05	57.28	57.50
10	MEMF16.19	3.88	3.50	3.50	3.51	3.52	3.52	3.52	3.52	3.53	3.54	3.55	3.56	3.58
11	MEMF20.24	5.83	5.89	5.92	5.96	6.01	6.06	6.10	6.14	6.19	6.23	6.27	6.32	6.36
12	MEMF25.34	9.08	8.99	8.92	8.89	8.89	8.92	8.99	9.07	9.14	9.24	9.35	9.46	9.57
13	MEMF35.44	6.70	6.60	6.59	6.61	6.65	6.70	6.74	6.79	6.85	6.91	6.97	7.03	7.09
14	MEMF45.54	6.32	6.39	6.48	6.48	6.53	6.56	6.60	6.62	6.65	6.66	6.68	6.69	6.70
15	MEMF55.64	4.16	4.23	4.30	4.36	4.42	4.48	4.53	4.57	4.62	4.66	4.69	4.72	4.75
16	MEMF65+	1.03	1.05	1.07	1.09	1.10	1.12	1.13	1.14	1.14	1.15	1.16	1.16	1.16
17	MEMF	36.60	36.66	36.74	36.90	37.11	37.35	37.60	37.85	38.12	38.39	38.67	38.95	39.22
18	MEM16.19	7.62	7.67	7.70	7.73	7.76	7.80	7.82	7.84	7.86	7.88	7.90	7.92	7.94
19	MEM20.24	12.62	12.91	12.99	13.07	13.17	13.26	13.32	13.38	13.45	13.51	13.57	13.62	13.67
20	MEM25.34	23.11	23.36	23.47	23.59	23.75	23.96	24.21	24.46	24.69	24.94	25.22	25.48	25.75
21	MEM35.44	16.89	16.98	17.05	17.16	17.30	17.43	17.55	17.69	17.84	17.98	18.12	18.26	18.41
22	MEM45.54	16.19	16.26	16.35	16.43	16.49	16.54	16.57	16.59	16.61	16.61	16.62	16.61	16.59
23	MEM55.64	10.99	11.02	11.10	11.17	11.23	11.28	11.33	11.38	11.42	11.46	11.51	11.56	11.62
24	MEM65+	2.72	2.72	2.74	2.75	2.76	2.77	2.78	2.78	2.78	2.78	2.78	2.77	2.76
25														
26	UNEMPLOYMENT IN MILLIONS													
27	MUM16.19	0.879	0.881	0.897	0.910	0.906	0.897	0.889	0.885	0.880	0.873	0.862	0.854	0.849
28	MUM20.24	0.810	0.841	0.866	0.886	0.876	0.858	0.844	0.836	0.827	0.817	0.801	0.789	0.783
29	MUM25.34	0.832	0.817	0.849	0.875	0.867	0.853	0.845	0.840	0.841	0.836	0.826	0.820	0.820
30	MUM35.44	0.381	0.396	0.410	0.422	0.418	0.411	0.407	0.406	0.405	0.403	0.398	0.396	0.397
31	MUM45.54	0.337	0.365	0.375	0.383	0.378	0.370	0.365	0.361	0.357	0.353	0.347	0.342	0.340
32	MUM55.64	0.233	0.247	0.252	0.256	0.253	0.249	0.246	0.244	0.242	0.241	0.238	0.237	0.237
33	MUM65+	0.091	0.092	0.093	0.094	0.092	0.091	0.090	0.089	0.088	0.087	0.086	0.085	0.084
34	MUM	3.571	3.638	3.742	3.827	3.790	3.731	3.685	3.664	3.640	3.611	3.557	3.524	3.511
35	MUF16.19	0.860	0.792	0.796	0.801	0.796	0.788	0.780	0.775	0.771	0.766	0.758	0.754	0.753
36	MUF20.24	0.721	0.727	0.739	0.750	0.748	0.741	0.735	0.734	0.733	0.730	0.724	0.721	0.720
37	MUF25.34	0.779	0.782	0.785	0.789	0.791	0.793	0.793	0.793	0.793	0.793	0.793	0.793	0.793
38	MUF35.44	0.597	0.596	0.590	0.596	0.594	0.590	0.588	0.588	0.588	0.588	0.588	0.588	0.588
39	MUF45.54	0.360	0.366	0.363	0.369	0.367	0.364	0.361	0.361	0.361	0.361	0.361	0.361	0.361
40	MUF55.64	0.187	0.189	0.195	0.200	0.201	0.200	0.200	0.201	0.202	0.202	0.202	0.202	0.202
41	MUF65+	0.054	0.046	0.047	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.047	0.047	0.047
42	MUF	1.653	1.672	1.693	1.711	1.702	1.685	1.669	1.660	1.651	1.639	1.620	1.608	1.604
43	MUT16.19	1.531	1.567	1.605	1.637	1.624	1.600	1.579	1.570	1.560	1.548	1.524	1.510	1.504
44	MUT25.34	1.611	1.559	1.594	1.624	1.608	1.587	1.575	1.574	1.571	1.569	1.556	1.553	1.558
45	MUT35.44	0.781	0.782	0.801	0.818	0.812	0.802	0.795	0.794	0.793	0.791	0.784	0.781	0.783
46	MUT45.54	0.683	0.671	0.688	0.702	0.695	0.684	0.671	0.666	0.661	0.651	0.644	0.640	0.640
47	MUT55.64	0.420	0.436	0.447	0.456	0.454	0.449	0.446	0.445	0.444	0.443	0.440	0.439	0.439
48	MUT65+	0.153	0.137	0.140	0.142	0.141	0.139	0.138	0.137	0.136	0.135	0.133	0.132	0.131
49	MUT	6.861	6.826	6.968	7.090	7.035	6.966	6.878	6.852	6.822	6.785	6.708	6.667	6.657

A PRODUCT OF CHARTERED F.A.S. 4025 CHESTNUT ST. PHILA. PA 19104 WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION

THE W H A R T O M Q U A R T E R L Y M O D E L M A R K 4.6
SPECIAL OMM FORECAST OCTOBER 1977

TABLE 1.10 EMPLOYMENT AND UNEMPLOYMENT

LINE VAR LABEL	1980.5	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 EMPLOYMENT IN MILLIONS												
2 MEMP16.19	4.30	4.55	4.33	4.32	4.30	4.27	4.25	4.221	4.24	4.52	4.36	4.52
3 MEMP20.24	7.32	7.35	7.38	7.41	7.43	7.42	7.42	7.421	7.13	7.25	7.11	7.39
4 MEMP25.34	10.31	10.40	10.48	10.57	10.66	10.69	10.66	10.691	10.79	10.47	10.09	10.74
5 MEMP35.44	11.49	11.49	11.53	11.57	11.72	11.96	12.20	12.411	10.60	10.90	11.24	11.54
6 MEMP45.54	9.87	9.86	9.85	9.83	9.82	9.81	9.80	9.791	9.95	9.96	9.90	9.84
7 MEMP55.64	6.49	6.92	6.95	6.99	7.04	7.08	7.13	7.181	6.81	6.80	6.85	6.94
8 MEMP65	1.54	1.58	1.56	1.55	1.53	1.52	1.50	1.491	1.66	1.60	1.60	1.56
9 MEMP	57.75	58.02	58.28	58.53	58.79	59.04	59.26	59.471	55.17	56.39	57.39	58.41
10 MEMP16.19	3.58	3.58	3.58	3.58	3.58	3.57	3.56	3.551	3.51	3.53	3.57	3.58
11 MEMP20.24	6.40	6.45	6.50	6.55	6.59	6.62	6.65	6.681	5.99	6.16	6.34	6.52
12 MEMP25.34	9.69	9.82	9.97	10.11	10.21	10.26	10.31	10.371	8.84	9.11	9.52	10.03
13 MEMP35.44	7.15	7.20	7.22	7.25	7.34	7.49	7.64	7.771	6.64	6.82	7.06	7.25
14 MEMP45.54	6.71	6.72	6.72	6.73	6.73	6.73	6.73	6.721	6.50	6.63	6.69	6.72
15 MEMP55.64	4.78	4.81	4.83	4.86	4.88	4.90	4.92	4.941	4.39	4.59	4.74	4.85
16 MEMP65	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.181	1.10	1.14	1.16	1.17
17 MEMP	39.48	39.74	40.00	40.25	40.50	40.75	40.99	41.211	37.03	37.99	39.04	40.12
18 MEMP16.19	7.94	7.92	7.91	7.90	7.87	7.84	7.80	7.771	7.75	7.85	7.93	7.90
19 MEMP20.24	13.73	13.80	13.80	13.96	14.02	14.04	14.07	14.101	13.12	13.42	13.64	13.92
20 MEMP25.34	26.00	26.30	26.64	26.97	27.17	27.23	27.27	27.341	23.69	24.54	25.61	26.77
21 MEMP35.44	18.55	18.68	18.75	18.82	19.05	19.44	19.85	20.191	17.23	17.71	18.34	18.83
22 MEMP45.54	16.58	16.58	16.57	16.55	16.55	16.55	16.53	16.511	16.45	16.60	16.60	16.56
23 MEMP55.64	11.67	11.73	11.79	11.85	11.92	11.98	12.04	12.111	11.20	11.40	11.59	11.62
24 MEMP65	2.76	2.75	2.73	2.72	2.71	2.70	2.68	2.671	2.76	2.78	2.77	2.73
25 UNEMPLOYMENT IN MILLIONS												
27 MUMP16.19	0.837	0.818	0.802	0.790	0.775	0.758	0.743	0.7331	0.903	0.881	0.850	0.796
28 MUMP20.24	0.769	0.749	0.735	0.726	0.711	0.694	0.682	0.6741	0.872	0.831	0.785	0.730
29 MUMP25.34	0.811	0.794	0.784	0.779	0.766	0.748	0.735	0.7321	0.861	0.842	0.819	0.781
30 MUMP35.44	0.593	0.586	0.580	0.576	0.574	0.575	0.579	0.5851	0.405	0.405	0.396	0.379
31 MUMP45.54	0.334	0.327	0.321	0.316	0.311	0.307	0.304	0.3041	0.377	0.359	0.341	0.319
32 MUMP55.64	0.236	0.233	0.231	0.230	0.229	0.229	0.230	0.2321	0.253	0.243	0.237	0.231
33 MUMP65	0.083	0.081	0.080	0.079	0.077	0.076	0.075	0.0741	0.093	0.089	0.085	0.079
34 MUMP	3.863	3.849	3.833	3.829	3.824	3.817	3.814	3.8141	3.773	3.650	3.514	3.316
35 MUMP16.19	0.745	0.732	0.722	0.715	0.704	0.692	0.681	0.6741	0.795	0.773	0.753	0.718
36 MUMP20.24	0.715	0.705	0.700	0.696	0.689	0.679	0.672	0.6701	0.745	0.745	0.720	0.698
37 MUMP25.34	0.738	0.735	0.735	0.736	0.736	0.729	0.725	0.7261	0.768	0.742	0.731	0.736
38 MUMP35.44	0.604	0.600	0.600	0.600	0.600	0.600	0.600	0.6001	0.393	0.388	0.385	0.375
39 MUMP45.54	0.297	0.293	0.289	0.286	0.282	0.279	0.276	0.2751	0.355	0.316	0.301	0.287
40 MUMP55.64	0.207	0.200	0.199	0.198	0.197	0.196	0.196	0.1971	0.198	0.199	0.202	0.199
41 MUMP65	0.048	0.046	0.045	0.045	0.044	0.043	0.043	0.0431	0.048	0.048	0.047	0.045
42 MUMP16.19	1.582	1.570	1.574	1.575	1.579	1.589	1.624	1.6471	1.698	1.655	1.603	1.515
43 MUMP20.24	1.484	1.455	1.435	1.422	1.400	1.374	1.355	1.3491	1.616	1.564	1.505	1.428
44 MUMP25.34	1.588	1.529	1.520	1.518	1.502	1.477	1.461	1.4591	1.632	1.572	1.554	1.517
45 MUMP35.44	0.777	0.766	0.756	0.749	0.746	0.749	0.757	0.7681	0.806	0.793	0.781	0.754
46 MUMP45.54	0.632	0.619	0.609	0.602	0.594	0.586	0.581	0.5801	0.722	0.693	0.669	0.666
47 MUMP55.64	0.437	0.433	0.430	0.429	0.427	0.425	0.426	0.4291	0.456	0.445	0.439	0.430
48 MUMP65	0.129	0.127	0.125	0.123	0.121	0.119	0.118	0.1171	0.146	0.140	0.137	0.124
49 MUMP	6.509	6.479	6.398	6.349	6.268	6.180	6.121	6.1011	7.085	7.010	6.834	6.333

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THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL UNR FORECAST OCTOBER 1977

TABLE 1.20 UNEMPLOYMENT RATES AND POPULATION
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	UNIT	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2					
1	UNEMPLOYMENT RATES																		
2	NRUTM16.19	M	MALES	16	TO	19	17.50	17.42	17.59	17.73	17.56	17.33	17.13	17.01	16.88	16.74	16.53	16.38	16.30
3	NRUTM20.24	M	MALES	20	TO	24	10.40	10.69	10.91	11.09	10.91	10.66	10.46	10.34	10.22	10.09	9.89	9.75	9.68
4	NRUTM25.34	M	MALES	25	TO	34	5.60	5.38	5.51	5.62	5.51	5.37	5.26	5.20	5.15	5.04	4.95	4.87	4.83
5	NRUTM35.44	M	MALES	35	TO	44	3.60	3.69	3.77	3.84	3.78	3.69	3.63	3.59	3.51	3.45	3.41	3.39	3.39
6	NRUTM45.54	M	MALES	45	TO	54	3.30	3.51	3.58	3.65	3.61	3.50	3.42	3.49	3.46	3.43	3.41	3.41	3.42
7	NRUTM55.64	M	MALES	55	TO	64	3.30	3.51	3.58	3.63	3.58	3.51	3.49	3.46	3.44	3.42	3.41	3.41	3.42
8	NRUTM65	M	MALES	65			5.50	5.22	5.28	5.33	5.28	5.22	5.18	5.15	5.13	5.10	5.05	5.03	5.01
9	NRUTF	F	FEMALES				6.23	6.28	6.40	6.50	6.40	6.29	6.17	6.14	6.05	5.98	5.89	5.79	5.74
10	NRUTF16.19	F	FEMALES	16	TO	19	18.80	18.46	18.54	18.61	18.48	18.31	18.14	18.03	17.92	17.79	17.61	17.47	17.39
11	NRUTF20.24	F	FEMALES	20	TO	24	11.00	10.98	11.09	11.18	11.06	10.90	10.76	10.68	10.59	10.49	10.35	10.24	10.18
12	NRUTF25.34	F	FEMALES	25	TO	34	7.90	7.62	7.71	7.77	7.70	7.54	7.51	7.46	7.40	7.34	7.25	7.19	7.15
13	NRUTF35.44	F	FEMALES	35	TO	44	5.60	5.53	5.60	5.65	5.59	5.51	5.44	5.40	5.36	5.31	5.28	5.19	5.16
14	NRUTF45.54	F	FEMALES	45	TO	54	5.20	4.57	4.64	4.69	4.64	4.57	4.51	4.48	4.45	4.41	4.35	4.31	4.29
15	NRUTF55.64	F	FEMALES	55	TO	64	4.30	4.28	4.34	4.38	4.34	4.29	4.24	4.22	4.19	4.17	4.12	4.10	4.08
16	NRUTF65	F	FEMALES	65			5.00	4.14	4.19	4.22	4.18	4.12	4.07	4.04	4.01	3.97	3.92	3.88	3.86
17	NRUT						8.24	8.00	8.07	8.12	8.04	7.92	7.82	7.76	7.66	7.53	7.46	7.42	7.42
18	NRUT16.19						18.09	17.69	18.02	18.13	17.98	17.72	17.58	17.47	17.35	17.21	17.02	16.87	16.79
19	NRUT20.24						10.74	10.82	10.93	11.13	10.97	10.76	10.59	10.49	10.39	10.25	10.10	9.98	9.91
20	NRUT25.34						6.51	6.25	6.35	6.43	6.34	6.21	6.10	6.04	5.94	5.81	5.74	5.70	
21	NRUT35.44						4.40	4.41	4.48	4.54	4.48	4.39	4.33	4.29	4.24	4.15	4.15	4.10	
22	NRUT45.54						4.05	3.96	4.04	4.10	4.04	3.97	3.91	3.89	3.85	3.82	3.78	3.74	
23	NRUT55.64						3.68	3.89	3.87	3.92	3.88	3.82	3.79	3.76	3.74	3.73	3.68	3.65	
24	NRUT65						5.32	4.88	4.65	4.82	4.84	4.78	4.73	4.70	4.66	4.63	4.58	4.54	
25	NRUT						7.00	6.99	7.08	7.16	7.07	6.95	6.85	6.79	6.72	6.65	6.55	6.48	
26	NRDIFF						-0.060	-0.149	-0.156	-0.162	-0.161	-0.161	-0.162	-0.163	-0.164	-0.164	-0.164	-0.164	
27	NRALOC						1.000	0.979	0.979	0.978	0.978	0.977	0.977	0.976	0.976	0.976	0.976	0.975	
28																			
29	POPULATION IN MILLIONS																		
30	NPCHM16.19	E	MALES	16	TO	19	6.169	6.160	6.156	6.153	6.150	6.143	6.130	6.119	6.110	6.096	6.078	6.070	
31	NPCHM20.24	E	MALES	20	TO	24	9.175	9.208	9.254	9.304	9.355	9.394	9.422	9.454	9.470	9.517	9.534	9.551	
32	NPCHM25.34	E	MALES	25	TO	34	15.556	15.755	15.853	15.940	16.026	16.140	16.282	16.420	16.546	16.663	16.831	16.975	
33	NPCHM35.44	E	MALES	35	TO	44	11.048	11.147	11.249	11.357	11.465	11.559	11.638	11.721	11.810	11.890	11.962	12.036	
34	NPCHM45.54	E	MALES	45	TO	54	11.191	11.136	11.113	11.092	11.070	11.044	11.014	10.943	10.953	10.926	10.902	10.876	
35	NPCHM55.64	E	MALES	55	TO	64	9.500	9.496	9.523	9.550	9.577	9.603	9.629	9.655	9.681	9.706	9.730	9.755	
36	NPCHM65	E	MALES	65			9.165	9.065	9.103	9.140	9.177	9.211	9.251	9.288	9.325	9.362	9.400	9.439	
37	NPCHF16.19	E	FEMALES	16	TO	19	8.301	8.303	8.298	8.296	8.294	8.285	8.269	8.255	8.244	8.228	8.208	8.196	
38	NPCHF20.24	E	FEMALES	20	TO	24	9.840	9.938	9.985	10.035	10.086	10.126	10.156	10.190	10.228	10.256	10.275	10.293	
39	NPCHF25.34	E	FEMALES	25	TO	34	16.509	16.656	16.754	16.840	16.926	17.041	17.185	17.324	17.451	17.574	17.693	17.813	
40	NPCHF35.44	E	FEMALES	35	TO	44	11.958	12.031	12.137	12.248	12.360	12.458	12.542	12.630	12.723	12.809	12.888	12.968	
41	NPCHF45.54	E	FEMALES	45	TO	54	12.024	11.966	11.935	11.906	11.877	11.844	11.805	11.767	11.729	11.694	11.662	11.625	
42	NPCHF55.64	E	FEMALES	55	TO	64	10.630	10.665	10.698	10.731	10.764	10.797	10.830	10.864	10.898	10.930	10.960	10.991	
43	NPCHF65	E	FEMALES	65			13.023	13.059	13.127	13.197	13.266	13.333	13.397	13.460	13.525	13.590	13.656	13.724	
44	NPCH10+	E	ALL PERSONS	16	TO	19	156.11	156.6	157.2	157.8	158.4	159.0	159.6	160.1	160.7	161.3	161.8	162.4	

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THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL ONM FORECAST OUTLOOK 1977

TABLE 1.20 UNEMPLOYMENT RATES AND POPULATION

LINE VAR LABEL	I T F M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
UNEMPLOYMENT RATES														
1		16.10	15.44	15.63	15.47	15.27	15.06	14.89	14.62	14.15	17.55	16.94	16.33	15.55
2	M MALES 16 TO 19	9.50	9.25	9.04	8.92	8.74	8.55	8.42	8.31	8.35	10.89	10.28	9.71	8.99
3	M MALES 20 TO 24	4.74	4.60	4.49	4.42	4.32	4.22	4.16	4.14	4.03	5.50	5.16	4.85	4.46
4	M MALES 25 TO 34	3.33	3.25	3.19	3.15	3.09	3.04	3.01	3.01	3.02	3.77	3.57	3.39	3.17
5	M MALES 35 TO 44	3.21	3.21	3.25	3.12	3.07	3.03	3.01	3.01	3.01	3.65	3.48	3.31	3.14
6	M MALES 45 TO 54	3.31	3.26	3.21	3.19	3.16	3.13	3.12	3.14	3.08	3.50	3.45	3.34	3.20
7	M MALES 55 TO 64	4.97	4.92	4.87	4.84	4.81	4.77	4.76	4.76	4.76	5.28	5.14	5.02	4.86
8	M MALES 65+	5.657	5.518	5.410	5.333	5.229	5.122	5.046	5.015	6.637	6.400	6.080	5.769	5.372
9	F FEMALES 16 TO 19	17.21	16.98	16.80	16.65	16.46	16.25	16.06	15.95	18.73	18.48	17.47	17.42	16.72
10	F FEMALES 20 TO 24	10.04	9.86	9.71	9.61	9.46	9.31	9.18	9.12	11.51	11.06	10.63	10.20	9.66
11	F FEMALES 25 TO 34	7.07	6.96	6.87	6.81	6.72	6.63	6.57	6.54	6.01	7.69	7.43	7.17	6.84
12	F FEMALES 35 TO 44	5.10	5.01	4.94	4.89	4.83	4.76	4.71	4.70	5.76	5.59	5.38	5.17	4.92
13	F FEMALES 45 TO 54	4.24	4.17	4.12	4.08	4.03	3.98	3.95	3.94	4.99	4.63	4.46	4.30	4.10
14	F FEMALES 55 TO 64	4.05	3.99	3.95	3.92	3.89	3.85	3.84	3.84	4.54	4.34	4.21	4.09	3.94
15	F FEMALES 65+	3.81	3.74	3.69	3.65	3.60	3.55	3.50	3.48	4.43	4.14	4.02	3.87	3.67
16	F FEMALES	7.538	7.215	7.118	7.047	6.949	6.843	6.761	6.719	8.336	8.040	7.733	7.443	7.082
17	F FEMALES	16.605	16.358	16.161	16.012	15.812	15.601	15.430	15.337	18.417	17.978	17.405	16.823	16.086
18	M MALES 16 TO 19	9.754	9.536	9.366	9.243	9.076	8.909	8.784	8.731	10.441	10.967	10.441	9.931	9.306
19	M MALES 20 TO 24	5.620	5.494	5.396	5.328	5.237	5.146	5.084	5.064	6.685	6.339	6.014	5.723	5.344
20	M MALES 25 TO 34	4.021	3.938	3.873	3.827	3.769	3.711	3.674	3.665	4.593	4.478	4.273	4.087	3.852
21	M MALES 35 TO 44	3.670	3.601	3.547	3.510	3.463	3.418	3.393	3.392	4.262	4.040	3.873	3.722	3.510
22	M MALES 45 TO 54	3.611	3.559	3.518	3.490	3.457	3.428	3.416	3.422	4.007	3.878	3.751	3.648	3.506
23	M MALES 55 TO 64	4.483	4.420	4.369	4.332	4.286	4.241	4.210	4.200	5.071	4.843	4.684	4.536	4.352
24	M MALES 65+	6.35	6.22	6.11	6.04	5.94	5.83	5.75	5.72	7.31	7.07	6.75	6.45	6.08
25	M MALES	0.163	0.159	0.159	0.160	0.154	0.142	0.131	0.124	0.056	0.160	0.163	0.168	0.158
26	M DIFF	0.975	0.975	0.975	0.974	0.975	0.976	0.976	0.976	0.995	0.978	0.976	0.975	0.975
27	M ALLOC	0.975	0.975	0.975	0.974	0.975	0.976	0.976	0.976	0.995	0.978	0.976	0.975	0.975
POPULATION IN MILLIONS														
29	P MALES 16 TO 19	6.033	7.975	7.923	7.881	7.826	7.757	7.691	7.630	8.159	8.150	8.114	8.062	7.901
30	P MALES 20 TO 24	9.594	9.619	9.634	9.658	9.690	9.684	9.674	9.673	9.182	9.327	9.471	9.563	9.665
31	P MALES 25 TO 34	17.265	17.426	17.623	17.818	17.920	17.931	17.932	17.968	15.506	15.990	16.483	17.047	17.697
32	P MALES 35 TO 44	12.186	12.251	12.276	12.301	12.331	12.367	12.414	12.421	11.031	11.407	11.765	12.074	12.315
33	P MALES 45 TO 54	10.827	10.812	10.795	10.775	10.760	10.750	10.738	10.724	11.197	11.080	10.969	10.863	10.785
34	P MALES 55 TO 64	9.808	9.823	9.844	9.866	9.886	9.903	9.923	9.943	9.470	9.563	9.668	9.768	9.855
35	P MALES 65+	9.514	9.544	9.575	9.608	9.639	9.669	9.698	9.727	9.102	9.159	9.307	9.458	9.592
36	P MALES	8.155	8.101	8.053	8.014	7.960	7.892	7.826	7.765	8.301	8.293	8.249	8.187	8.032
37	F FEMALES 16 TO 19	10.338	10.362	10.395	10.428	10.439	10.428	10.414	10.413	9.825	10.058	10.207	10.305	10.406
38	F FEMALES 20 TO 24	16.177	16.305	16.550	16.752	16.859	16.872	16.876	16.915	16.445	16.691	17.388	17.956	18.621
39	F FEMALES 25 TO 34	13.127	13.189	13.211	13.234	13.265	13.302	13.351	13.381	12.301	12.676	13.008	13.250	13.508
40	F FEMALES 35 TO 44	11.051	11.075	11.100	11.126	11.149	11.169	11.190	11.213	10.608	10.747	10.880	11.006	11.112
41	F FEMALES 45 TO 54	13.854	13.911	13.969	14.029	14.087	14.142	14.197	14.252	12.990	13.231	13.493	13.756	13.999
42	F FEMALES 55 TO 64	163.5	164.0	164.5	165.0	165.5	165.9	166.4	166.8	155.7	158.1	160.4	162.7	164.8
43	F FEMALES 65+													
44	F FEMALES													

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THE WHARTON QUARTERLY MODEL MARK 4,7
SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 1.30 CONSTANT ADJUSTMENTS TO LABOR FORCE EQUATIONS

LINE VAP LABEL	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2	1980.3
1 NLCM16.19 M MALES 16 TO 19----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 NLCM20.24 M MALES 20 TO 24----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 NLCM25.34 M MALES 25 TO 34----	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
4 NLCM35.44 M MALES 35 TO 44----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 NLCM45.54 M MALES 45 TO 54----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 NLCM55.64 M MALES 55 TO 64----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 NLCM65+ M MALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 NLCF16.19 F FEMALES 16 TO 19----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 NLCF20.24 F FEMALES 20 TO 24----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 NLCF25.34 F FEMALES 25 TO 34----	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
11 NLCF35.44 F FEMALES 35 TO 44----	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
12 NLCF45.54 F FEMALES 45 TO 54----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 NLCF55.64 F FEMALES 55 TO 64----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 NLCF65+ F FEMALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 UNEMPLOYMENT RATES													
16 HRUTM16.19 M MALES 16 TO 19----	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
17 HRUTM20.24 M MALES 20 TO 24----	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
18 HRUTM25.34 M MALES 25 TO 34----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 HRUTM35.44 M MALES 35 TO 44----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 HRUTM45.54 M MALES 45 TO 54----	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
21 HRUTM55.64 M MALES 55 TO 64----	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
22 HRUTF16.19 F FEMALES 16 TO 19----	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
23 HRUTF20.24 F FEMALES 20 TO 24----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 HRUTF25.34 F FEMALES 25 TO 34----	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
25 HRUTF35.44 F FEMALES 35 TO 44----	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
26 HRUTF45.54 F FEMALES 45 TO 54----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 HRUTF55.64 F FEMALES 55 TO 64----	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
28 HRUTF65+ F FEMALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 MLSRPH M MEAL CUMP PER MHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A PRODUCT OF WHARTON EPA., 4025 CHESTNUT ST, PHILA, PA 19104 WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION

THE WARRIOR QUARTERLY MODEL MARK 4.7
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 1.30 CONSTANT ADJUSTMENTS TO LAWRIN FORCE EQUATIONS

LINE	VAR LABEL	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2
1	MCF16.19 F MALES 16 TO 19----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	MCF20.24 M MALES 20 TO 24----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	MCF25.34 M MALES 25 TO 34----	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
4	MCF35.44 M MALES 35 TO 44----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	MCF45.54 M MALES 45 TO 54----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	MCF55.64 M MALES 55 TO 64----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	MCF65+ M MALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	MCF16.19 F FEMALES 16 TO 19----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	MCF20.24 F FEMALES 20 TO 24----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	MCF25.34 F FEMALES 25 TO 34----	0.35	0.35	0.35	0.35	0.35	0.35	0.35
11	MCF35.44 F FEMALES 35 TO 44----	0.20	0.20	0.20	0.20	0.20	0.20	0.20
12	MCF45.54 F FEMALES 45 TO 54----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	MCF55.64 F FEMALES 55 TO 64----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	MCF65+ F FEMALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	UNEMPLOYMENT PAGES							
16	UMU16.19 M MALES 16 TO 19----	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
17	UMU20.24 M MALES 20 TO 24----	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
18	UMU25.34 M MALES 25 TO 34----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	UMU35.44 M MALES 35 TO 44----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	UMU45.54 M MALES 45 TO 54----	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
21	UMU55.64 M MALES 55 TO 64----	1.00	1.00	1.00	1.00	1.00	1.00	1.00
22	UMU65+ M MALES 65+-----	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
23	UMUF16.19 F FEMALES 16 TO 19----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	UMUF20.24 F FEMALES 20 TO 24----	0.05	0.05	0.05	0.05	0.05	0.05	0.05
25	UMUF25.34 F FEMALES 25 TO 34----	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
26	UMUF35.44 F FEMALES 35 TO 44----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	UMUF45.54 F FEMALES 45 TO 54----	0.50	0.50	0.50	0.50	0.50	0.50	0.50
28	UMUF55.64 F FEMALES 55 TO 64----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	UMUF65+ F FEMALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	UMU65+ M MALES 65+-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A PRODUCT OF CHARTER, E.F.A., 4025 CHESTNUT ST, PHILA, PA 19104 WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION

THE UHAR I UN QUARTERLY MODEL MARK 4.0
SPECIAL ANN FORECAST: OCTOBER 1977

TABLE 1.00 SELECTED MAJOR ECONOMIC INDICATORS

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 GNP	1069.9	1191.0	1273.5	2019.0	2065.7	2110.5	2161.4	2210.6	2261.1	2315.6	2374.2	2434.3	2492.0
2 GNP	13.71	19.92	11.85	9.73	9.40	8.96	10.00	9.42	9.49	9.45	10.51	10.51	9.81
3 GNP	1330.7	1134.9	1362.7	1366.4	1399.0	1412.1	1424.6	1437.0	1451.0	1465.5	1475.5	1486.4	1498.4
4 GNP	6.15	4.35	5.37	2.97	4.05	3.70	3.80	3.58	3.76	3.72	4.06	2.76	2.98
5 GNP	140.51	142.7	144.8	147.1	149.0	150.9	153.1	155.2	157.3	159.6	162.0	165.0	167.7
6 PDGMP	7.101	6.29	6.14	6.57	5.14	5.07	5.98	5.64	5.52	6.01	6.20	7.54	6.64
7 PDGMP	8.871	6.71	5.25	6.75	5.83	5.72	5.65	5.98	6.21	6.70	5.84	7.73	7.07
8 PDGMP	10.191	0.49	3.17	0.76	7.83	7.32	5.94	5.56	7.00	10.28	5.17	8.94	8.26
9 PC	1292.5	1131.9	1352.7	1307.4	1420.4	1448.6	1481.5	1522.7	1555.2	1599.3	1633.6	1668.0	1700.6
10 PC	13.481	8.88	10.49	10.66	9.85	8.17	9.42	11.57	8.82	11.85	8.86	8.90	8.86
11 YD	924.51	929.3	941.8	952.0	962.2	969.1	979.0	993.1	1009.5	1013.9	1022.3	1027.1	1032.9
12 YD	7.281	2.07	5.52	4.38	4.35	2.89	4.15	5.90	3.02	5.47	3.37	1.89	2.28
13 RAXMPV	8.811	8.87	8.94	8.96	8.99	9.02	9.05	9.09	9.13	9.17	9.21	9.24	9.26
14 RAXMPV	1.921	2.61	3.31	0.92	1.35	0.98	1.63	1.82	1.54	1.79	2.00	0.96	1.25
15 WPCPV	7.141	7.28	7.41	7.58	7.72	7.86	7.99	8.13	8.28	8.43	8.58	8.75	8.93
16 WPCPV	8.141	8.02	7.38	9.29	7.65	7.07	6.90	7.41	7.33	7.68	7.47	8.07	8.13
17 IP	137.01	137.0	139.6	141.4	143.4	145.1	146.8	148.5	150.2	151.9	153.6	155.2	156.8
18 IP	10.571	2.85	5.23	5.24	5.75	4.95	4.73	4.72	4.57	4.55	4.67	4.24	4.05
19 UNUT	7.001	6.99	7.08	7.16	7.07	6.95	6.85	6.79	6.72	6.65	6.55	6.48	6.44
20 UNUT	-9.71	-10.6	-13.6	-15.3	-15.2	-13.2	-10.6	-8.1	-6.1	-3.7	-0.8	3.0	7.6
21 FMS	321.11	328.0	335.5	340.6	346.5	353.0	359.9	363.9	370.9	378.0	387.0	393.9	402.1
22 FMS	6.881	8.92	9.14	6.57	7.88	7.71	8.05	8.55	7.84	8.88	8.92	7.31	8.61
23 CUMIP	90.121	89.60	90.35	90.64	91.01	91.09	91.27	91.45	91.58	91.76	91.96	91.94	91.95
24 CUMIP	7.871	-2.31	3.42	1.30	1.61	0.36	0.79	0.79	0.61	0.78	0.87	-0.10	0.07
25 FMS	4.881	5.67	6.70	6.68	6.73	7.02	6.96	7.36	7.39	7.41	7.57	7.99	8.04
26 FMS	5.161	5.95	6.99	7.13	7.27	7.63	7.65	8.05	8.15	8.20	8.41	8.87	9.07
27 FMS	6.471	7.01	7.78	8.16	8.49	8.55	8.83	8.99	9.07	9.19	9.54	9.78	9.78
28 FMS	8.451	8.40	8.51	8.62	8.68	8.76	8.84	8.91	8.99	9.07	9.17	9.38	9.54
29 YD	5.301	4.99	5.19	5.29	5.44	5.35	5.52	5.95	5.95	6.41	6.45	6.35	6.39
30 CUMIP	174.01	187.2	195.9	202.2	208.4	206.4	212.0	218.8	225.3	235.6	238.3	253.6	259.2
31 CUMIP	-40.31	-46.8	-47.2	-47.4	-50.3	-49.0	-52.1	-57.6	-59.9	-60.0	-59.1	-47.6	-43.8

A PRODUCT OF MARTIN EY... 4025 CHESTNUT ST, PHILA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE W H A R T U N G U A H A I E R L Y M O D E L M A M A 4.6
SPECIAL GNP FORECAST OCTOBER 1977

TABLE 1.00 SELECTED MAJOR ECONOMIC INDICATORS

LINE VAR LABEL	1980.3	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 GNP3	1790.3	1790.4	1791.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980
2 GNP5	2552.6	2610.2	2679.7	2739.1	2804.2	2873.2	2937.1	3000.1	1149.3	2089.4	2290.4	2524.2
3	10.09	10.68	9.74	9.16	9.55	10.22	9.20	8.85	10.75	10.36	9.62	10.21
4 GNP	1502.1	1515.3	1527.8	1539.1	1553.1	1564.5	1574.4	1584.1	1133.7	1392.5	1444.7	1546.4
5 GNP	4.28	3.58	3.34	2.97	3.69	2.97	2.55	2.51	4.92	4.13	3.75	3.63
6 PDGNP	169.9	172.8	175.4	178.0	180.6	183.7	186.6	189.4	141.5	150.0	158.5	168.8
7 PDGNP	5.57	6.85	6.20	6.00	5.94	7.04	6.48	6.19	5.78	5.90	5.66	6.51
8 PC*	5.98	6.28	5.53	6.63	6.51	6.76	7.12	6.90	6.63	6.22	6.00	6.71
9 PC*	6.05	6.17	7.70	5.74	6.23	5.75	7.46	5.88	6.00	6.20	6.02	7.65
10 YPDS	1750.2	1707.7	1824.0	1861.5	1917.0	1951.1	1990.4	2030.0	11304.3	1434.5	1577.7	1720.8
11 YPDS	12.16	7.85	8.38	8.48	12.45	7.32	8.30	8.20	4.99	9.06	4.98	9.58
12 YPD	1088.8	1054.0	1060.0	1065.9	1081.7	1084.5	1089.1	1093.8	926.8	965.5	1007.5	1040.7
13 YPD	6.31	2.00	2.29	2.23	6.07	1.04	1.69	1.74	4.00	4.27	4.34	3.30
14 RAXINPV	9.32	9.36	9.39	9.42	9.47	9.50	9.52	9.53	8.85	9.01	9.15	9.29
15 RAXINPV	2.42	1.67	1.47	1.22	1.97	1.29	1.06	1.18	1.00	1.77	1.61	1.58
16 WRCPV3	9.10	9.26	9.45	9.63	9.83	10.02	10.23	10.43	7.21	7.79	8.36	9.01
17 WRCPV3	7.99	7.49	8.28	7.88	8.34	8.12	8.64	8.15	8.70	7.96	7.31	7.83
18 IP	150.6	160.4	162.2	163.9	165.8	167.5	169.1	170.6	137.0	144.2	151.0	157.7
19 IP	4.69	4.71	4.65	4.30	4.54	4.21	3.85	3.53	5.57	5.23	4.76	4.43
20 URUI	6.35	6.22	6.11	6.04	5.94	5.83	5.75	5.72	7.11	7.01	6.68	6.37
21 TBRS	13.4	17.5	21.2	22.2	21.9	20.2	18.6	18.4	-10.5	-13.6	-4.7	10.4
22 FMIS	410.9	420.6	428.4	437.9	447.9	458.8	466.9	476.6	324.7	350.0	375.1	406.9
23 FMIS	9.03	9.62	7.59	9.17	9.47	10.11	7.24	8.52	6.73	7.80	7.19	8.46
24 CUMIP	92.31	92.52	92.69	92.71	92.93	92.95	92.89	92.79	89.62	91.00	91.69	92.18
25 CUMIP	1.56	0.91	0.74	0.09	0.94	0.00	-0.24	-0.42	2.39	1.54	0.74	0.54
26 FPHRSY	8.05	8.12	8.37	8.36	8.35	8.44	8.78	8.71	5.46	6.05	7.43	8.05
27 FPHRF	9.11	9.28	9.53	9.63	9.68	9.69	10.27	10.34	5.69	7.42	8.20	9.08
28 FPHRME	9.91	10.01	10.25	10.39	10.87	10.56	10.88	11.03	6.88	8.37	9.02	9.81
29 FRMCS	9.71	9.89	10.08	10.28	10.48	10.59	10.74	10.89	8.46	8.73	9.03	9.62
30 YPRSAVN	7.04	6.92	6.84	6.89	7.49	7.20	7.06	6.95	4.89	5.40	6.19	6.68
31 CUMIP3	264.3	273.5	283.7	289.2	297.1	303.1	310.8	314.2	179.7	206.3	229.0	262.6
32 GVSUMPS	-52.9	-63.8	-36.2	-32.1	-42.5	-32.2	-25.2	-21.2	-43.3	-49.7	-57.9	-47.0

A PRODUCT OF WARTUN ET AL., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE MONTHLY QUARTERLY MODEL MARK 4,6
SPECIAL QMR FORECAST: OCTOBER 1977

LINE VAR LABEL	ITEM	TABLE 2.00 GROSS NATIONAL PRODUCT IN CURRENT DOLLARS												
		1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	GNP	1069.9	1191.0	1733.5	2019.8	2965.7	2110.5	2161.4	2210.6	2261.3	2315.6	2374.2	2434.3	2472.0
2	PERSONAL CONSUMPTION E	1194.0	1222.9	1251.0	1281.5	1309.8	1337.0	1365.0	1396.8	1426.7	1460.3	1491.2	1525.3	1557.0
3	DURABLE GOODS	170.6	179.4	164.3	169.0	193.2	197.0	200.8	204.5	211.2	214.5	217.7	220.8	226.8
4	NONDURABLE GOODS	474.4	479.0	486.6	496.3	505.7	514.9	524.8	535.5	546.4	559.6	570.6	584.0	596.0
5	SERVICES	541.1	564.5	580.0	596.2	610.9	625.1	639.9	656.7	672.6	689.4	706.2	723.7	740.6
6	INVT	294.9	301.1	316.2	327.0	335.6	342.0	348.6	354.4	363.7	372.0	381.6	393.4	403.5
7	FIXED INVESTMENT	273.2	283.4	295.9	307.0	317.1	323.3	330.1	337.3	344.7	353.5	362.6	374.1	384.3
8	NONRESIDENTIAL	182.4	189.8	198.0	207.2	216.5	224.1	232.0	240.1	248.1	252.7	260.7	270.2	279.1
9	RESIDENTIAL STRUCTUR	90.8	94.1	97.8	100.7	100.6	99.2	98.1	98.7	99.6	100.8	101.9	103.8	105.2
10	CHG IN BUSINESS INVEN	21.7	17.2	22.3	19.2	18.5	18.7	18.6	17.1	19.1	18.5	19.0	19.3	19.2
11	NET EXPORTS	-9.7	-10.6	-13.6	-15.3	-15.2	-13.2	-10.6	-8.1	-6.1	-3.7	-0.8	3.0	7.6
12	EXPORTS	178.1	181.5	185.5	190.6	196.7	204.2	212.6	220.9	229.7	239.3	249.0	258.8	270.0
13	IMPORTS	187.7	192.1	199.1	205.9	211.9	217.4	223.2	229.0	235.8	243.0	249.8	255.8	262.4
14	GOVT PURCHASES OF GOOD	390.6	405.6	417.6	426.6	435.5	444.7	454.3	467.5	477.0	487.0	502.3	512.6	523.1
15	FEDERAL	143.6	151.5	157.9	160.7	163.5	166.5	173.7	176.4	179.1	182.3	190.6	193.8	196.9
16	STATE AND LOCAL	247.0	254.1	259.7	265.9	272.0	278.2	280.6	291.2	297.9	304.7	311.7	318.8	326.2
17	NATURAL DEFENSE	93.4	97.3	101.7	103.2	104.7	106.4	110.9	112.6	114.3	116.4	121.6	123.4	125.3
18	OTHER	50.2	54.2	56.2	57.5	58.8	60.1	62.8	63.8	64.8	65.9	69.0	70.3	71.7
19	STATE AND LOCAL	247.0	254.1	259.7	265.9	272.0	278.2	280.6	291.2	297.9	304.7	311.7	318.8	326.2

THE MONTHLY QUARTERLY MODEL MARK 4,6
SPECIAL QMR FORECAST: OCTOBER 1977

LINE VAR LABEL	ITEM	TABLE 2.00 GROSS NATIONAL PRODUCT IN CURRENT DOLLARS												
		1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	GNP	2552.6	2618.2	2679.7	2739.1	2804.2	2873.2	2937.1	3000.1	3089.3	3209.4	3290.4	3524.2	2774.0
2	PERSONAL CONSUMPTION E	1592.3	1625.3	1659.1	1693.7	1733.3	1770.2	1809.0	1847.0	1910.1	1971.3	2043.7	2175.2	1714.1
3	DURABLE GOODS	224.7	227.7	231.1	234.4	238.9	243.1	247.3	251.6	256.1	260.5	264.9	269.5	236.9
4	NONDURABLE GOODS	609.0	620.8	632.6	644.6	658.4	670.9	684.0	696.9	710.7	724.4	738.0	751.6	651.6
5	SERVICES	759.1	776.0	795.4	814.8	836.0	856.2	877.6	899.0	921.6	944.6	968.2	992.0	825.6
6	INVT	412.9	425.4	438.1	450.3	464.3	480.1	494.5	506.5	519.6	533.6	547.9	562.8	458.2
7	FIXED INVESTMENT	394.5	405.3	417.9	430.6	444.3	458.3	473.0	486.2	499.7	513.6	527.7	542.5	437.8
8	NONRESIDENTIAL	298.0	297.4	307.8	318.0	328.5	338.8	349.1	359.4	369.7	379.9	390.2	400.5	323.3
9	RESIDENTIAL STRUCTUR	106.4	107.9	110.0	112.6	115.8	119.5	123.8	128.0	132.1	136.3	140.5	144.7	114.5
10	CHG IN BUSINESS INVEN	18.5	20.1	20.2	19.7	19.9	21.0	21.5	20.3	18.8	18.7	18.4	19.3	20.4
11	NET EXPORTS	13.4	17.5	21.2	22.2	21.9	20.2	18.6	18.0	18.0	18.5	18.4	19.4	21.4
12	EXPORTS	280.8	290.0	298.0	303.8	308.8	312.5	317.1	321.8	326.5	331.2	335.9	340.6	345.3
13	IMPORTS	267.5	272.5	276.8	281.6	286.9	292.3	298.5	303.5	308.7	314.0	319.2	324.2	329.9
14	GOVT PURCHASES OF GOOD	533.9	550.0	561.3	572.8	584.7	602.8	615.1	627.7	641.3	654.8	668.3	681.8	580.4
15	FEDERAL	200.3	208.8	212.2	215.7	219.4	227.1	232.0	236.7	241.3	245.8	250.3	254.8	219.1
16	STATE AND LOCAL	127.3	132.3	136.2	138.8	144.3	146.8	148.1	148.5	148.5	148.5	148.5	148.5	130.3
17	NATURAL DEFENSE	73.1	76.5	78.0	79.5	81.0	84.8	86.4	88.1	89.8	91.5	93.2	94.9	80.8
18	OTHER	333.6	341.3	347.1	357.1	365.3	373.7	382.3	391.0	399.9	408.8	417.7	426.6	369.3

SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 2.10 X CHG GROSS NATIONAL PRODUCT IN CURRENT DOLLARS

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 GNP	13.71	10.92	11.85	9.73	9.40	8.96	10.00	9.47	9.49	9.95	10.51	10.51	9.83
2 CES	7.50	10.02	9.52	10.13	9.12	8.56	8.67	9.63	8.83	9.77	8.73	9.48	8.78
3 DURABLE GOODS	3.66	1.71	11.44	10.62	9.21	8.02	7.10	8.60	6.19	7.15	6.22	6.19	5.03
4 NONDURABLE GOODS	6.06	3.95	6.52	8.17	7.81	7.47	7.91	8.42	8.39	10.01	8.06	9.73	9.05
5 SERVICES	9.63	10.44	11.49	11.64	10.18	9.64	9.80	10.95	10.03	10.40	10.07	10.29	9.71
6 GNP	38.51	8.70	24.74	11.50	10.90	7.66	7.99	6.83	10.98	9.34	10.72	12.98	10.68
7 INTS	25.73	16.62	17.98	17.12	12.63	8.01	8.68	9.10	9.00	10.56	10.77	13.23	11.37
8 INFMS	12.77	17.19	18.61	19.70	19.40	14.74	14.82	11.96	11.23	12.96	13.37	15.45	13.72
9 INFMS	57.91	15.88	16.74	12.82	-0.38	-5.46	-4.28	2.57	3.77	4.81	4.45	7.70	5.43
10 INFMS	19.34	7.87	9.10	11.52	13.42	16.19	17.33	16.72	16.88	17.82	17.06	16.80	18.84
11 INFMS	21.99	9.69	15.36	14.51	12.10	10.88	10.98	10.93	12.43	12.81	11.60	10.82	10.59
12 GVP	17.83	16.27	12.62	8.66	8.63	8.73	12.81	8.24	8.36	8.68	13.14	8.45	8.45
13 GVP	23.21	23.89	18.00	7.29	7.21	7.47	18.51	6.21	6.49	7.33	19.43	6.74	6.74
14 GVP	17.55	17.78	19.36	6.04	6.04	6.54	18.11	6.03	6.53	7.54	14.10	6.03	6.03
15 GVP	33.52	35.89	15.60	9.58	9.35	9.14	19.21	6.52	6.42	6.97	20.00	6.00	6.00
16 GVP	15.04	12.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50

A PRODUCT OF WHARTON FFA., 4025 CHESTNUT ST, PHILA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 2.10 X CHG GROSS NATIONAL PRODUCT IN CURRENT DOLLARS

LINE VAR LABEL	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 GNP	10.09	10.68	9.74	9.16	9.85	10.22	9.20	8.85	10.95	10.36	9.62	10.21	9.90
2 CES	9.17	8.53	8.60	8.60	9.67	8.81	9.04	8.78	10.62	9.36	9.10	9.10	8.82
3 DURABLE GOODS	7.13	6.39	6.11	5.81	7.96	7.06	7.19	7.09	13.16	8.38	7.49	6.23	6.46
4 NONDURABLE GOODS	8.49	7.94	7.82	7.80	8.05	7.86	8.02	7.73	7.66	7.09	8.35	8.97	8.13
5 SERVICES	10.34	9.64	9.97	10.07	10.82	10.07	10.37	10.09	12.46	11.63	10.23	10.10	10.07
6 GNP	9.70	12.62	12.46	11.66	12.99	14.34	12.56	10.10	21.85	14.09	8.76	11.11	12.08
7 INTS	11.08	11.41	12.99	12.76	13.39	13.13	13.48	11.68	20.76	15.06	9.37	11.44	12.38
8 INFMS	13.49	13.68	14.73	13.83	13.98	13.10	12.79	10.80	15.37	17.74	13.33	13.81	13.95
9 INFMS	4.85	5.44	6.28	9.81	11.76	13.22	15.44	14.19	33.64	9.54	6.64	5.56	8.18
10 INFMS	17.04	13.73	11.49	8.04	5.94	5.62	6.05	6.05	9.84	12.39	16.76	17.11	11.18
11 INFMS	8.00	7.81	6.39	7.15	6.88	6.66	8.73	6.70	22.11	13.33	11.57	10.49	7.45
12 GVP	8.58	12.61	6.45	8.45	8.58	12.92	8.45	8.45	9.92	11.09	9.55	9.61	9.53
13 GVP	7.06	17.95	6.75	6.75	7.07	18.79	6.75	6.75	13.22	12.75	9.64	9.79	9.58
14 GVP	6.53	16.78	6.83	6.83	6.53	18.08	6.83	6.83	10.88	11.29	9.35	9.30	8.83
15 GVP	8.00	20.00	8.00	8.00	8.00	20.00	8.00	8.00	19.55	15.39	10.15	10.65	10.88
16 GVP	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	8.08	10.13	9.50	9.50	9.50

A PRODUCT OF WHARTON FFA., 4025 CHESTNUT ST, PHILA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE WASHINGTON QUARTERLY MODEL MARK 4.6
SPECIAL QNR FORECAST: OCTOBER 1977

TABLE 3.00 GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 GNP	1330.7	1334.9	1362.7	1372.7	1386.4	1399.0	1412.1	1424.6	1437.8	1451.0	1465.5	1475.5	1486.4
2													
3 CE	854.31	861.2	871.0	879.3	887.2	894.4	902.0	911.0	917.8	925.8	933.2	938.8	944.0
4 CED	137.91	137.2	140.3	142.6	144.6	146.3	148.0	149.6	150.5	152.0	153.1	153.5	153.8
5 CEN	330.01	330.1	332.4	334.9	337.7	340.2	343.2	347.3	350.1	353.1	356.2	358.5	360.4
6 CES	384.31	393.9	398.3	401.9	405.0	407.9	410.8	414.2	417.2	420.7	423.9	426.8	429.8
7													
8 IPT	197.21	198.7	206.0	206.9	209.3	210.8	212.0	211.6	214.0	215.4	217.8	219.5	221.1
9 IPI	184.01	187.2	192.1	195.5	198.4	199.3	200.7	201.5	202.0	204.6	206.8	208.6	210.6
10 INFN	126.81	129.2	133.1	136.6	140.9	143.8	146.9	148.6	150.4	152.6	155.2	157.4	159.7
11 INFN	57.61	58.0	59.0	58.9	57.5	55.4	53.8	52.8	52.3	51.9	51.6	51.2	50.9
12													
13 IPIIT	13.21	11.4	13.8	11.4	11.0	11.5	11.3	10.1	11.3	10.8	10.9	10.9	10.7
14													
15 IPI	9.81	8.9	7.9	7.1	7.8	9.2	10.9	12.5	14.1	15.6	17.5	18.7	20.6
16 IPI	98.51	98.6	99.3	99.9	101.5	103.8	106.4	108.7	111.3	113.8	116.7	118.4	121.1
17 IPI	84.31	89.7	91.8	92.8	93.7	94.6	95.4	96.2	97.2	98.2	99.2	99.7	100.6
18													
19 GYPT	270.01	276.1	277.8	279.4	282.0	284.6	287.1	289.5	291.9	294.2	297.0	298.5	300.6
20 GYPT	101.11	105.3	105.8	107.4	108.2	108.9	109.6	110.2	110.9	111.9	112.2	112.7	112.7
21 GYPT	65.81	67.6	68.2	68.4	68.8	69.2	69.6	70.0	70.4	70.8	71.4	71.5	71.7
22 GYPT	35.81	37.7	37.7	38.1	38.6	39.1	39.4	39.7	39.9	40.1	40.5	40.7	41.0
23 GYPT	160.91	170.8	171.9	172.9	174.6	176.4	178.2	179.9	181.6	183.3	185.2	186.3	187.9

THE WASHINGTON QUARTERLY MODEL MARK 4.6
SPECIAL QNR FORECAST: OCTOBER 1977

TABLE 3.00 GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS

LINE VAR LABEL	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 GNP	1502.1	1515.3	1527.8	1539.1	1553.1	1568.5	1578.4	1584.1	11337.3	1392.5	1444.7	1494.8	1546.1
2													
3 CE	952.1	958.3	964.2	969.8	976.1	984.0	989.8	995.41	859.2	890.7	922.0	948.3	974.0
4 CED	155.0	156.0	156.7	157.3	158.0	159.9	160.9	161.81	158.1	145.4	151.3	154.6	158.2
5 CEN	363.7	365.8	368.1	370.2	373.3	375.2	377.2	379.01	330.6	339.0	351.7	362.1	371.7
6 CES	433.4	436.4	439.4	442.3	446.0	448.8	451.7	454.61	390.6	406.4	419.0	431.6	444.1
7													
8 IPT	223.2	226.3	229.1	231.8	235.2	239.1	241.8	243.61	197.1	209.8	214.7	222.6	233.8
9 IPI	213.0	215.5	218.4	221.5	224.9	228.1	231.1	233.51	185.1	198.5	203.4	211.9	223.2
10 INFN	142.4	145.1	148.0	150.7	153.6	156.2	158.3	160.01	126.3	142.1	151.7	161.1	172.1
11 INFN	50.6	50.4	50.4	50.7	51.2	51.9	52.7	53.51	56.8	56.4	52.2	50.8	51.1
12													
13 IPIIT	10.2	10.8	10.7	10.4	10.3	11.0	10.7	10.11	12.0	11.3	10.8	10.7	10.6
14													
15 IPI	23.3	25.0	26.2	26.5	26.1	25.0	24.0	23.71	9.2	8.0	14.9	21.9	26.0
16 IPI	124.1	126.8	127.2	127.6	127.4	127.0	126.6	126.41	98.3	102.9	112.6	122.4	127.3
17 IPI	100.8	101.0	101.0	101.1	101.3	101.9	102.6	102.81	89.1	94.1	97.7	100.5	101.3
18													
19 GYPT	303.5	305.8	308.3	310.9	313.7	316.4	318.8	321.51	271.8	283.3	293.2	302.1	312.3
20 GYPT	113.7	114.1	114.9	115.6	116.4	117.2	117.9	118.61	102.3	107.8	110.7	113.2	116.0
21 GYPT	72.2	72.3	72.7	73.0	73.4	73.8	74.1	74.41	66.3	69.0	70.6	71.9	73.2
22 GYPT	41.5	41.8	42.2	42.6	43.0	43.4	43.8	44.21	36.8	38.0	40.0	41.3	42.0
23 GYPT	189.8	191.7	193.4	195.3	197.3	199.2	201.0	202.91	169.5	175.5	182.5	188.9	196.3

SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 3.10 X CMG GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS

1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	I	T	E	M														
1 GNP	I				6,151	4,35	5,37	2,97	4,05	3,70	3,80	3,58	3,76	3,72	4,06	2,76	2,98	
2																		
3 CE	I				1,751	3,39	4,59	3,88	3,66	3,26	3,44	4,06	3,03	3,50	3,25	2,41	2,20	
4 CED	I				2,951	-2,15	9,58	6,59	5,66	5,00	4,61	4,34	2,59	3,66	2,99	1,10	0,75	
5 CFN	I				6,361	0,18	2,73	3,02	3,45	2,97	3,54	4,07	3,31	3,51	3,56	2,59	2,12	
6 CES	I				2,631	4,16	4,46	3,66	3,14	2,89	2,93	3,28	2,97	3,17	3,08	2,78	2,60	
7																		
8 INT	I				24,471	2,98	15,58	1,84	4,72	2,81	2,44	-0,90	4,71	2,61	4,45	3,25	3,24	
9 INF	I				16,781	7,18	10,96	7,22	5,92	1,44	2,93	1,52	2,50	3,65	4,46	3,44	3,87	
10 INFN	I				6,931	9,16	12,74	10,95	13,04	6,63	6,94	4,68	4,92	5,94	7,05	5,52	5,99	
11 INFH	H				42,711	2,94	7,07	-0,85	-9,30	-13,47	-11,51	-6,76	-3,80	-2,81	-2,89	-2,65	-2,43	
12																		
13 FEB	I				6,771	0,51	2,84	2,45	4,52	9,29	10,36	9,19	9,61	10,24	6,06	4,55		
14 FHH	I				13,621	2,62	7,01	6,52	3,70	3,88	3,72	3,19	4,10	4,45	5,81	2,55	3,55	
15																		
16 GVP1	I				10,571	9,34	2,45	2,31	3,78	3,85	3,57	3,31	3,32	3,24	3,93	2,02	2,64	
17 GVPF	I				18,011	17,72	1,98	2,58	3,28	3,33	2,60	2,53	2,26	2,48	3,57	1,07	1,91	
18 GVPFD	H				12,481	11,80	3,15	1,38	2,14	2,44	2,25	2,36	2,30	2,68	3,29	0,40	1,23	
19 GVPFD	H				26,331	28,99	-0,10	4,77	5,34	4,94	3,21	2,83	2,18	2,14	4,07	2,27	3,11	
20 GVP5	H				6,151	4,55	2,74	2,14	4,09	4,17	3,78	3,97	3,70	4,14	2,59	3,40		

A PRODUCT OF WHAMTIN ETC., 4025 CHESTNUT ST., PHILA., PA 19104, WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 3.10 X CMG GROSS NATIONAL PRODUCT IN CONSTANT DOLLARS

1980.3 1980.4 1981.1 1981.2 1981.3 1981.4 1982.1 1982.2

LINE VAR LABEL	I	T	E	M														
1 GNP	I				4,28	3,58	3,34	2,97	3,69	2,97	2,55	2,511	4,92	4,11	3,75	3,47	3,43	
2																		
3 CE	I				3,48	2,63	2,50	2,35	3,45	2,93	2,37	2,291	4,61	3,67	3,50	2,86	2,71	
4 CED	I				3,16	2,69	1,83	1,46	3,78	2,95	2,35	2,371	8,33	5,28	4,07	2,17	2,33	
5 CFN	I				3,68	2,41	2,48	2,31	3,43	2,81	2,10	1,921	1,979	2,55	3,75	2,97	2,65	
6 CES	I				3,01	2,81	2,76	2,70	3,35	2,61	2,61	2,571	4,93	4,05	3,10	3,01	2,90	
7																		
8 INT	I				3,54	5,63	5,07	4,87	5,95	6,78	4,52	3,051	13,97	6,41	2,34	3,67	5,05	
9 INF	I				4,68	4,74	5,54	5,78	6,31	5,86	4,321	12,50	7,22	2,74	3,92	5,34		
10 INFN	I				7,01	6,79	7,19	6,81	6,96	5,96	4,93	3,421	9,83	10,77	6,80	6,18	6,84	
11 INFH	H				-2,39	-1,65	0,29	2,43	4,14	5,50	6,39	4,001	19,02	-0,78	-7,49	-2,66	0,60	
12																		
13 FEB	I				10,30	6,13	3,66	1,23	-0,56	-1,24	-1,23	-0,571	2,67	4,68	9,45	6,68	3,99	
14 FHH	I				0,43	0,76	-0,11	0,61	0,83	2,51	2,58	0,661	11,67	5,63	3,78	2,90	0,81	
15																		
16 GVP1	I				3,87	3,08	3,31	3,47	3,62	3,40	3,17	3,421	2,81	4,23	3,49	3,06	3,30	
17 GVPF	I				3,33	1,73	2,57	2,62	2,89	2,58	2,34	2,491	5,94	5,33	2,70	2,27	2,52	
18 GVPFD	H				2,82	0,72	1,88	1,93	2,37	1,97	1,64	1,791	3,01	3,97	2,42	1,82	1,82	
19 GVPFD	H				4,28	3,50	3,77	3,83	3,79	3,62	3,53	3,681	11,87	7,83	3,18	3,06	3,74	
20 GVP5	H				4,19	3,89	3,76	3,89	4,06	3,89	3,67	3,971	6,99	3,54	3,97	3,54	3,54	

THE W H A M T U N P U A M T E R L Y M O D E L M A M K 4.0
SPECIAL (NR FORECAST) OCTOBER 1977

TABLE 4.00 PERSONAL CONSUMPTION IN CURRENT DOLLARS
SPECIAL (NR FORECAST) OCTOBER 1977

LINE VAR LABEL	1 1 7 7 . 2	1 7 7 7 . 3	1 7 7 7 . 4	1 7 7 8 . 1	1 7 7 8 . 2	1 7 7 8 . 3	1 7 7 8 . 4	1 7 7 9 . 1	1 7 7 9 . 2	1 7 7 9 . 3	1 7 7 9 . 4	1 9 8 0 . 1	1 9 8 0 . 2
1 CES	174.61	179.4	184.3	189.0	193.2	197.0	200.4	204.5	207.6	211.2	214.5	217.7	220.4
2													
3 CEDS	174.61	179.4	184.3	189.0	193.2	197.0	200.4	204.5	207.6	211.2	214.5	217.7	220.4
4 CEDAS	84.51	83.0	85.6	88.0	90.0	91.8	93.1	94.9	96.0	97.1	98.2	99.3	99.9
5 CEDAVM	47.21	44.6	46.8	48.3	49.6	50.8	51.7	52.6	53.2	53.7	54.4	54.8	55.2
6 CEDAPVUS	27.31	28.1	28.2	28.9	29.5	29.9	30.2	30.9	31.2	31.6	32.0	32.5	32.8
7 CEDAVR	1.21	1.3	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	1.9	1.9	1.9
8 CEDAVTS	8.81	7.0	9.2	9.3	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.1
9 CEDFS	69.31	70.9	72.8	74.5	76.2	77.6	79.1	80.9	82.3	83.1	85.5	87.1	88.5
10 CEDUS	24.81	25.4	25.9	26.4	27.0	27.6	28.2	28.8	29.4	30.0	30.7	31.4	32.0
11													
12 CENS	474.81	479.0	486.6	496.3	505.7	514.9	524.8	535.5	546.4	559.4	570.6	584.0	596.8
13 CENS	80.41	81.1	82.4	83.9	85.4	86.6	88.0	89.6	91.1	92.7	94.4	96.1	97.9
14 CENS	244.81	246.7	251.2	256.4	262.2	267.8	273.7	278.8	285.1	293.1	298.9	305.4	312.8
15 CENS	44.31	45.4	45.9	47.1	47.7	48.4	49.2	50.5	51.4	52.4	53.4	55.4	56.6
16 CENDNS	104.81	105.9	107.1	108.8	110.4	112.0	113.9	116.7	118.8	121.5	123.9	127.0	129.4
17													
18 CESS	541.11	564.5	580.0	596.2	610.9	625.1	639.9	654.7	672.6	689.8	706.2	723.7	740.6
19 CESH	181.91	187.3	192.1	197.3	202.5	207.7	213.2	219.1	224.8	230.9	236.7	242.6	248.6
20 CESS	79.21	86.0	87.3	89.3	90.9	92.5	94.2	96.5	98.4	100.4	102.5	105.1	107.1
21 CESTS	40.51	41.8	42.9	44.3	45.5	46.7	48.1	49.7	51.0	52.5	54.0	55.6	57.1
22 CESUS	239.81	249.8	257.7	265.3	271.9	278.1	284.5	291.5	298.4	305.6	313.0	320.1	327.9

THE WHARTON QUARTERLY MODEL MARK 4,6
SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 4.00 PERSONAL CONSUMPTION IN CURRENT DOLLARS

LINE VAR LABEL	ITEM	1980.3	1980.6	1981.1	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981	
1	CE5	PERSONAL CONSUMPTION EX 1592.3 1625.3 1659.1 1693.7 1733.3 1770.2 1809.0 1847.4 1210.1 1323.5 1443.7 1573.2 1714.1												
2	CE3	DURABLE GOODS----- 224.2 227.7 231.1 234.4 238.9 243.1 247.3 251.6 179.8 194.9 204.5 222.5 236.9												
3	CE4	AUTOS AND PARTS----- 101.2 102.8 104.2 105.4 107.2 109.2 111.2 113.1 84.6 90.7 96.6 100.4 106.5												
4	CE4A	NEW AUTOS- FURN + DD 55.8 56.7 57.5 58.3 59.2 60.4 61.6 63.0 46.1 50.1 53.5 55.6 58.8												
5	CE4B	USED CARS + PARTS + 33.4 34.1 34.7 35.1 35.9 36.8 37.5 38.0 28.1 29.6 31.4 31.2 35.6												
6	CE4C	RECREATIONAL VEHICLE 1.9 1.9 1.9 1.9 2.0 2.0 2.0 2.0 1.4 1.6 1.6 1.9 2.0												
7	CE4D	TRUCKS----- 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 9.1 9.4 9.4 10.1 10.1												
8	CE4E	FURNITURE AND HOUSEHO 90.3 91.5 92.8 94.2 96.2 97.5 99.1 100.7 78.1 76.9 83.2 89.3 95.2												
9	CE4F	OTHER DURABLE GOODS-- 32.7 33.4 34.1 34.8 35.6 36.3 37.0 37.8 25.1 27.3 29.7 32.4 35.2												
10	CE5	INDURABLE GOODS----- 604.0 620.8 632.6 644.6 658.4 670.9 684.0 696.9 476.7 510.4 553.0 602.6 651.6												
11	CE6	CLOTHING AND SHOES--- 99.5 101.2 102.9 104.6 106.3 108.3 110.2 112.0 80.8 86.0 91.9 98.7 105.5												
12	CE7	FOOD AND BEVERAGES--- 319.6 326.2 332.2 338.0 346.5 353.5 360.3 367.4 245.2 265.1 289.0 316.0 342.8												
13	CE8	GASOLINE AND OIL----- 57.5 58.6 60.1 61.1 62.3 63.4 65.0 66.2 44.9 48.1 51.9 57.0 61.7												
14	CE9	OTHER MEMORABLE GOOD 132.4 134.0 137.4 140.0 143.3 145.7 148.6 151.2 105.8 111.3 120.2 130.9 141.6												
15	CE10	SERVICES----- 759.1 776.8 795.4 814.0 836.0 856.2 877.6 899.0 553.6 618.0 681.2 750.0 825.6												
16	CE11	HOUSING----- 254.9 260.8 267.1 273.6 280.8 287.6 294.8 302.1 184.7 205.2 227.9 251.7 277.3												
17	CE12	HOUSEHOLD OPERATION-- 109.3 111.5 114.0 116.3 119.0 121.6 124.5 127.4 83.3 91.7 99.4 108.3 117.7												
18	CE13	TRANSPORTATION----- 58.7 60.3 61.9 63.4 65.3 67.0 68.7 70.4 41.2 46.2 51.8 57.9 64.4												
19	CE14	OTHER----- 336.1 340.1 352.5 361.3 370.8 380.1 389.6 399.2 244.4 274.9 302.1 332.1 366.2												

MAXIMUM DESCRIPTOR WIDTH PERMITTED IS LESS THAN ACTUAL WIDTH. TRUNCATION WILL OCCUR
ACTUAL = 29 PERMITTED = 25

SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 5.00 PERSONAL CONSUMPTION IN CONSTANT DOLLARS

LINE VAR LABEL	ITEM	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2	
1	CE	PERSONAL CONSUMPTION EX 854.1 861.2 871.0 879.3 887.2 894.4 902.0 911.0 917.8 925.0 933.2 938.8 948.0													
2	CE0	DURABLE GOODS----- 137.9 137.2 140.3 142.6 144.4 146.3 148.0 149.4 150.5 152.0 153.1 153.5 153.8													
3	CE0A	AUTOS AND PARTS----- 62.1 62.7 63.9 64.9 65.9 66.9 67.9 68.9 69.9 70.9 71.9 72.9 73.9													
4	CE0B	NEW AUTO- FURN + DUM 37.1 37.7 38.9 39.9 40.9 41.9 42.9 43.9 44.9 45.9 46.9 47.9 48.9													
5	CE0C	USED CARS + PARTS + 25.0 25.0 25.4 25.7 26.0 26.4 26.7 27.0 27.3 27.6 27.9 28.2 28.5													
6	CE0D	RECREATIONAL VEHICLE 1.9 1.9 1.9 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0													
7	CE0E	TRUCKS----- 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1													
8	CE0F	FURNITURE AND HOUSEHO 55.9 56.8 58.1 59.1 60.0 60.8 61.7 62.7 63.5 64.5 65.3 66.3 67.3													
9	CE0G	OTHER DURABLE GOODS-- 19.8 20.1 20.4 20.6 20.9 21.2 21.5 21.7 22.0 22.3 22.5 22.7 22.9													
10	CE1	INDURABLE GOODS----- 330.0 330.1 332.4 334.9 337.7 340.2 343.2 347.3 350.1 353.1 356.2 358.5 360.8													
11	CE1A	CLOTHING AND SHOES--- 66.0 65.9 66.7 67.5 68.3 69.0 69.7 70.5 71.2 71.8 72.5 73.1 73.6													
12	CE1B	FOOD AND BEVERAGES--- 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4 166.4													
13	CE1C	GASOLINE AND OIL----- 25.6 25.4 25.5 25.4 25.5 25.6 25.7 25.8 25.9 26.1 26.3 26.4 26.6													
14	CE1D	OTHER MEMORABLE GOOD 72.0 71.8 72.2 72.5 73.0 73.6 74.4 75.3 76.1 77.2 78.1 78.8 79.5													
15	CE2	SERVICES----- 346.3 343.9 346.3 348.7 351.1 353.5 355.9 358.3 360.7 363.1 365.5 367.9 370.3													
16	CE2A	HOUSING----- 140.3 142.0 143.7 145.2 146.7 148.2 149.7 151.2 152.7 154.2 155.7 157.2 158.7													
17	CE2B	HOUSEHOLD OPERATION-- 54.6 57.7 57.7 57.9 58.2 58.5 58.7 59.1 59.4 59.7 60.1 60.4 60.7													
18	CE2C	TRANSPORTATION----- 29.3 29.4 29.6 29.8 29.9 30.1 30.2 30.4 30.5 30.7 30.9 31.1 31.3													
19	CE2D	OTHER----- 162.0 164.6 167.2 169.0 171.4 172.6 173.9 175.1 176.5 177.9 179.1 180.4 181.8													

SPECIAL GMM FORECAST: OCTOBER 1977

TABLE 5.00 PERSONAL CONSUMPTION IN CONSTANT DOLLARS

LINE VAR LABEL	I T E M	1980.3	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	CE	952.1	950.3	969.2	978.1	988.0	989.8	995.4	859.2	890.7	922.0	948.3	978.0
2	CE1	156.0	154.7	157.3	158.8	159.4	160.9	161.8	130.1	145.4	151.1	154.6	158.2
3	CE2	64.6	64.6	64.4	64.6	65.0	65.1	65.2	61.7	63.9	65.2	64.4	64.6
4	CE3	37.7	37.8	37.7	37.7	38.0	38.1	38.3	36.1	37.7	38.5	37.9	37.8
5	CE4	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.6	28.3	28.3	28.3	28.3
6	CE5	11.8	11.9	12.0	12.0	12.1	12.2	12.3	11.3	11.5	11.7	11.8	12.0
7	CE6	18.6	18.8	18.9	19.1	19.4	19.5	19.5	17.5	18.0	18.4	18.4	19.1
8	CE7	1.3	1.3	1.2	1.3	1.3	1.2	1.2	1.1	1.2	1.3	1.3	1.3
9	CE8	6.0	6.7	6.6	6.5	6.4	6.3	6.2	7.1	7.0	7.0	6.8	6.5
10	CE9	67.5	68.1	68.7	69.3	70.4	71.0	71.6	56.8	60.4	64.0	67.0	69.0
11	CE10	23.3	23.5	23.6	23.6	24.0	24.1	24.1	19.9	21.1	22.1	23.0	23.7
12	CE11	363.7	365.8	370.2	373.3	375.2	377.2	379.0	330.6	339.0	351.7	362.1	371.7
13	CE12	74.1	74.8	75.3	76.2	76.9	77.3	77.8	66.0	68.6	71.5	73.9	76.1
14	CE13	182.1	182.6	183.5	184.1	185.5	186.7	187.2	166.7	171.8	177.5	181.4	184.8
15	CE14	26.8	26.9	27.1	27.2	27.4	27.6	27.8	25.6	25.5	26.0	26.7	27.3
16	CE15	80.7	81.5	82.3	83.0	84.2	84.9	85.6	72.2	73.4	76.7	80.1	83.6
17	CE16	435.4	436.4	439.8	442.3	446.0	451.7	458.6	390.6	406.4	419.0	431.6	444.1
18	CE17	157.9	158.9	160.0	161.0	162.5	164.6	165.7	141.3	147.2	152.4	157.1	161.7
19	CE18	61.6	62.1	62.5	63.0	63.5	64.4	64.9	56.5	58.3	59.7	61.4	63.2
20	CE19	32.2	32.4	32.6	32.8	33.1	33.3	33.5	29.4	30.1	31.0	32.0	32.9
21	CE20	181.7	183.0	184.3	185.5	186.9	189.3	190.4	163.4	170.8	175.9	181.1	186.2

* PRODUCT OF WASHINGTON FFA... CHESTNUT ST, PHILA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL UNR FORECAST, OCTOBER 1977

TABLE 6.00 GROSS PRIVATE DOMESTIC INVESTMENT IN CURRENT DOLLARS

LINE VAR LABEL	I I I M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	I	GRSS PRIVATE DOMESTIC	294.91	301.1	316.2	327.0	335.6	342.0	354.4	361.7	372.0	381.6	393.4	403.5
2	I	FIXED INVESTMENT	273.21	283.9	295.9	307.6	317.1	323.3	330.1	334.7	353.5	362.6	374.1	384.3
3	I	NONRESIDENTIAL	182.81	189.8	198.0	207.2	216.5	224.1	232.0	238.6	252.7	260.7	270.2	279.1
4	I	EQUIPMENT	121.41	126.8	132.8	140.2	147.4	153.1	158.9	168.5	174.0	179.7	186.8	193.1
5	I	STRUCTURES	61.01	63.0	65.2	68.9	71.1	73.1	74.8	76.5	78.6	81.0	83.4	85.9
6	I	RESIDENTIAL	90.81	94.1	97.8	100.7	100.6	99.2	98.1	98.7	99.6	100.8	101.9	103.4
7	I	FIXED INVESTMENT	14.41	14.5	14.6	14.8	14.9	15.2	15.6	16.0	16.3	16.6	17.2	17.6
8	I	AGRICULTURE	4.51	4.6	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.4	6.6
9	I	MINING	59.51	60.9	63.8	66.4	69.7	70.8	72.8	75.0	79.7	82.0	85.1	87.9
10	I	DURAB	27.31	28.0	29.7	31.4	32.6	34.0	35.2	36.4	37.6	38.9	40.1	41.8
11	I	NONDURAB	32.21	33.0	34.1	35.0	35.9	36.8	37.7	38.7	39.6	40.8	41.9	43.3
12	I	MANUFACTURING	47.61	50.1	52.2	54.9	58.0	61.4	64.1	65.7	67.6	70.0	74.1	79.4
13	I	REGULATED	7.01	7.6	7.2	7.6	8.1	8.6	9.2	9.9	10.6	11.3	12.0	13.5
14	I	TRANSPORTATION	15.31	16.7	18.1	19.5	20.6	21.9	22.9	24.7	25.5	26.1	26.8	27.2
15	I	UTILITIES	25.31	26.4	27.0	27.7	28.9	30.8	32.0	31.9	32.3	33.2	34.5	34.7
16	I	COMMERCIAL	22.71	24.1	25.2	26.6	27.9	29.3	30.9	32.0	33.0	34.1	35.5	37.8
17	I	RESIDENTIAL	33.71	35.6	37.7	39.7	41.2	42.2	43.1	44.2	45.2	46.2	47.5	49.8
18	I	CHG IN BUSINESS INVENT	21.71	17.2	22.5	19.2	16.5	16.7	16.6	17.1	19.1	18.5	19.0	19.2
19	H	FARM	-0.71	2.8	1.8	-1.1	-0.7	1.8	0.0	1.4	1.4	1.4	1.4	1.5
20	H	NONFARM	22.41	14.4	20.5	20.3	19.2	16.9	16.7	17.1	17.7	17.5	17.9	17.8

THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL UNR FORECAST, OCTOBER 1977

TABLE 6.00 GROSS PRIVATE DOMESTIC INVESTMENT IN CURRENT DOLLARS

LINE VAR LABEL	I I I M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	I	GRSS PRIVATE DOMESTIC	412.9	425.4	438.1	450.3	464.3	480.1	494.5	506.51	296.5	318.3	367.9	408.0
2	I	FIXED INVESTMENT	394.5	405.5	417.9	430.6	444.3	458.3	473.0	486.21	277.7	319.6	369.5	417.8
3	I	NONRESIDENTIAL	288.0	297.4	307.8	318.0	328.5	338.8	349.1	358.21	186.8	220.0	249.3	283.7
4	I	EQUIPMENT	199.4	206.0	213.4	220.5	227.8	235.0	242.3	248.71	125.0	149.9	171.5	196.3
5	I	STRUCTURES	88.7	91.4	94.4	97.5	100.7	103.8	106.8	109.51	61.8	70.1	77.7	87.4
6	I	RESIDENTIAL	106.8	107.9	110.0	112.6	115.8	119.5	123.8	128.01	90.9	99.6	100.3	105.8
7	I	FIXED INVESTMENT	17.9	18.3	18.7	19.0	19.4	19.7	20.0	20.31	14.4	15.1	16.4	17.8
8	I	AGRICULTURE	6.8	7.1	7.4	7.5	7.7	7.9	8.1	8.21	4.5	5.2	5.9	6.7
9	I	MINING	96.6	93.5	96.7	99.7	102.9	105.9	109.3	112.31	60.1	69.3	78.5	101.3
10	I	DURAB	44.7	46.2	48.0	49.7	51.5	53.3	55.2	57.01	27.8	33.4	38.2	44.0
11	I	NONDURAB	45.9	47.3	48.7	50.0	51.4	52.7	54.1	55.31	32.3	36.8	40.2	45.3
12	I	MANUFACTURING	82.5	85.8	89.6	93.5	97.6	101.8	105.9	109.61	49.2	59.8	69.0	81.0
13	I	REGULATED	14.1	14.7	15.4	16.0	16.5	16.8	17.1	17.31	7.1	8.4	10.9	13.8
14	I	TRANSPORTATION	27.6	27.8	28.3	28.7	29.1	29.6	30.0	30.41	16.1	21.1	25.1	27.4
15	I	UTILITIES	40.9	43.2	45.9	48.8	52.0	55.4	58.8	61.91	26.0	30.1	33.0	39.9
16	I	COMMERCIAL	39.2	40.6	42.2	43.7	45.2	46.5	47.8	48.91	23.7	28.1	31.7	38.5
17	I	RESIDENTIAL	50.9	52.1	53.4	54.4	55.7	56.9	58.1	59.11	34.9	41.6	45.8	55.1
18	I	CHG IN BUSINESS INVENT	16.5	20.1	20.2	19.7	19.9	21.8	21.5	20.31	18.8	18.7	18.4	20.4
19	H	FARM	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.51	0.9	0.5	1.1	1.5
20	H	NONFARM	15.0	18.6	18.7	18.2	18.4	20.3	20.0	18.81	17.9	18.1	17.3	18.9

SPECIAL ONR FORECASTS: OCTOBER 1977

TABLE 6.10 INVESTMENT ANTICIPATIONS IN CURRENT DOLLARS

LINE VAR LABEL	I T E M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 IA1MGS	H MINING, FIRST ANTICIPAT	4.41	4.5	4.4	4.6	4.8	5.1	5.3	5.5	5.7	5.9	6.1	6.4	6.6
2 IA2MGS	H MINING, SECOND ANTICIPA	4.21	4.5	4.5	4.7	4.9	5.2	5.4	5.6	5.9	6.1	6.3	6.4	6.6
3 IA1MFS	H MANUF. DURABLES, FIRST	26.41	28.0	29.8	31.5	32.9	34.1	35.3	36.5	37.7	39.0	40.3	42.0	43.5
4 IA2MFS	H MANUF. DURABLES, SECOND	26.81	28.3	29.7	31.7	33.2	34.5	35.6	36.8	38.0	39.4	40.7	42.4	44.0
5 IA1MNS	H MANUF. NONDURABLES FIRS	32.21	33.4	34.6	35.4	36.3	37.3	38.1	39.1	40.2	41.4	42.4	43.9	45.3
6 IA2MNS	H MANUF. NONDURABLES SECU	31.11	33.5	34.6	35.4	36.3	37.2	38.1	39.1	40.1	41.2	42.3	43.8	45.2
7 IA1RGT5	H TRANSPORTATION, FIRST A	6.61	6.8	6.9	7.4	7.8	8.3	8.9	9.5	10.2	11.0	11.7	12.5	13.1
8 IA2RGT5	H TRANSPORTATION, SECOND	6.61	6.6	7.0	7.2	7.7	8.1	8.7	9.3	10.0	10.8	11.6	12.4	13.2
9 IA1RGU99	H UTILITIES, FIRST ANTICI	25.61	26.7	27.2	27.9	30.2	31.2	32.4	32.2	32.5	33.5	34.9	37.0	39.3
10 IA2RGU99	H UTILITIES, SECOND ANTIC	26.21	25.7	27.5	27.7	30.3	31.1	32.0	32.9	33.4	34.6	36.0	38.2	40.6
11 IA1CM488	H COMMERCIAL+COMMUN. FIRS	39.21	39.1	39.8	41.6	43.3	45.1	47.3	48.8	50.2	51.6	53.5	55.1	57.0
12 IA2CM488	H COMMERCIAL+COMMUN. SECO	37.91	38.1	38.7	40.0	41.2	42.0	43.1	44.3	47.3	48.4	50.2	51.2	52.9

A PRODUCT OF WHARTON EFA., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.
SPECIAL ONR FORECASTS: OCTOBER 1977

TABLE 6.10 INVESTMENT ANTICIPATIONS IN CURRENT DOLLARS

LINE VAR LABEL	I T E M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1982.3	1982.4	1983.1	1983.2	1983.3	1983.4
1 IA1MGS	H MINING, FIRST ANTICIPAT	6.9	7.2	7.6	7.8	8.1	8.3	8.5	8.71	4.4	4.9	5.0	6.0	7.9	
2 IA2MGS	H MINING, SECOND ANTICIPA	6.8	7.1	7.4	7.7	7.9	8.2	8.4	8.51	4.4	5.1	6.0	6.7	7.8	
3 IA1MFS	H MANUF. DURABLES, FIRST	44.9	46.5	48.3	50.0	51.9	53.7	55.7	57.51	27.4	33.5	38.8	44.2	51.0	
4 IA2MFS	H MANUF. DURABLES, SECONO	45.5	47.0	48.7	50.5	52.4	54.2	56.3	58.21	27.6	33.7	38.8	44.7	51.5	
5 IA1MNS	H MANUF. NONDURABLES FIRS	46.6	48.0	49.5	50.9	52.3	53.7	55.2	56.51	32.7	36.6	40.6	46.0	51.6	
6 IA2MNS	H MANUF. NONDURABLES SECU	46.5	47.9	49.3	50.7	52.1	53.4	54.9	56.31	32.7	36.7	40.7	45.8	51.8	
7 IA1RGT5	H TRANSPORTATION, FIRST A	13.7	14.4	15.1	15.7	16.4	16.5	16.8	17.01	6.8	7.9	10.4	13.4	15.9	
8 IA2RGT5	H TRANSPORTATION, SECONO	13.9	14.5	15.2	16.0	16.6	17.0	17.4	17.71	6.6	7.9	10.4	13.5	16.2	
9 IA1RGU99	H UTILITIES, FIRST ANTICI	41.6	44.0	46.9	50.0	53.4	57.0	60.6	63.91	26.0	30.4	33.3	40.5	51.8	
10 IA2RGU99	H UTILITIES, SECONO ANTIC	43.1	45.5	48.5	51.5	54.9	58.4	62.0	65.21	26.0	30.5	34.2	41.9	53.3	
11 IA1CM488	H COMMERCIAL+COMMUN. FIRS	58.9	61.1	63.5	65.9	68.2	70.4	72.6	74.61	38.8	44.3	51.0	58.0	67.0	
12 IA2CM488	H COMMERCIAL+COMMUN. SECO	54.8	56.9	59.6	62.3	65.0	67.3	69.7	71.71	38.0	42.3	48.1	53.9	63.5	

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T H F W H A R T U M Q U A R T E R L Y M O D E L M A K K 4,6
SPECIAL DNR FORECAST OCTOBER 1977

TABLE 7.00 GROSS PRIVATE DOMESTIC INVESTMENT IN CONSTANT DOLLARS

LINE VAR LABEL	I T E M	1977,2	1977,3	1977,4	1978,1	1978,2	1978,3	1978,4	1979,1	1979,2	1979,3	1979,4	1980,1	1980,2
1	I GROSS PRIVATE DOMESTIC	197.21	198.7	206.0	206.4	209.3	210.8	212.0	211.6	214.0	215.4	217.8	219.5	221.3
2	I FIXED INVESTMENT	184.01	187.2	192.1	195.5	198.4	199.3	200.7	201.5	202.4	204.6	206.8	208.6	210.4
3	I INF	126.81	129.2	133.1	136.6	140.9	143.8	146.9	148.6	150.4	152.6	155.2	157.4	159.7
4	I INFN	88.11	90.5	93.6	96.7	100.1	102.5	104.9	106.3	107.7	109.4	111.3	112.8	114.4
5	I INFNE	38.21	38.7	39.6	40.0	40.8	41.3	42.0	42.3	42.7	43.3	44.0	44.6	45.2
6	I INFIS	57.61	58.0	59.0	59.0	57.5	55.4	53.8	52.3	51.9	51.6	51.6	51.2	50.9
7	I INFRI	1.7051	2.034	2.031	1.971	1.904	1.828	1.805	1.793	1.786	1.781	1.775	1.762	1.756
8	HSPR	0.4861	0.570	0.610	0.610	0.591	0.575	0.575	0.583	0.585	0.587	0.593	0.592	0.593
9	HSPRSM	1.4191	1.464	1.420	1.361	1.313	1.253	1.230	1.210	1.201	1.195	1.182	1.170	1.162
10	HSPRSI													
11														
12	I FIXED INVESTMENT BY SECTOR	19.01	9.9	9.8	9.7	9.7	9.8	9.9	10.0	10.0	10.0	10.0	10.0	10.1
13	I AAG	3.11	3.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.7	3.8
14	I AMNG	41.21	41.5	42.9	43.8	44.7	45.4	46.1	46.7	47.4	48.1	48.8	49.5	50.3
15	I AMF	18.91	19.0	19.9	20.7	21.3	21.8	22.3	22.7	23.1	23.5	23.9	24.3	24.7
16	I AMFD	22.31	22.4	22.9	23.1	23.3	23.6	23.8	24.1	24.3	24.6	24.9	25.2	25.5
17	I AMFN	32.91	34.1	35.1	36.2	38.2	39.4	40.6	40.9	41.5	42.3	43.3	44.3	45.4
18	I ARG	4.81	4.8	4.8	5.0	5.3	5.5	5.8	6.1	6.5	6.8	7.1	7.4	7.7
19	I ARG1	10.61	11.3	12.2	12.9	13.5	14.1	14.5	14.9	15.2	15.4	15.5	15.6	15.6
20	I ARGAR	17.51	18.0	18.1	18.3	19.4	19.8	20.3	19.9	19.8	20.1	20.6	21.3	22.2
21	I ARGU9	15.71	16.4	16.9	17.5	18.2	18.8	19.6	19.6	19.9	20.6	21.2	21.3	21.6
22	I ACM	23.41	24.2	25.4	26.2	26.8	27.1	27.3	27.5	27.7	27.9	28.3	28.4	28.5
23	I RA													
24														
25	I CHG IN BUSINESS INVENT	13.21	11.4	13.8	11.4	11.0	11.5	11.3	10.1	11.3	10.8	10.9	10.9	10.7
26	I FARM	-0.51	1.8	1.1	-1.0	-0.7	1.1	1.1	-0.2	0.8	0.8	0.8	0.8	0.8
27	I MINFARM	13.61	9.6	12.7	12.4	11.7	10.4	10.2	10.3	10.5	10.0	10.1	10.1	9.9
28	I MINMF	6.41	5.3	7.1	6.9	5.9	5.3	5.7	6.0	6.0	5.8	5.9	5.8	5.9
29	I BTDV	0.31	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
30	I BTDV	6.91	8.2	5.4	5.2	5.5	4.8	4.3	4.0	4.2	4.0	4.0	4.1	3.8

THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL QNR FORECAST: OCTOBER 1977

TABLE 7.00 GROSS PRIVATE DOMESTIC INVESTMENT IN CONSTANT DOLLARS

LINE VAR LABEL	UNIT	1980.3	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
I	GROSS PRIVATE DOMESTIC	223.2	226.3	229.1	231.8	235.2	239.1	241.8	243.61	197.1	209.4	222.6	233.4
2													
3	I	FIXED INVESTMENT	215.0	218.4	221.5	224.9	228.1	231.1	233.51	185.1	198.5	211.9	223.2
4	I	NONRESIDENTIAL	162.4	165.1	169.0	170.7	173.6	176.2	180.01	128.3	142.1	161.1	172.1
5	H	EQUIPMENT	116.4	118.3	120.3	122.3	124.4	126.2	127.7	120.91	101.0	115.5	123.3
6	I	STRUCTURES	46.0	46.8	47.6	48.4	49.3	50.0	50.6	51.11	50.4	45.6	48.0
7	R	RESIDENTIAL	50.6	50.4	50.4	50.7	51.2	51.9	52.7	53.51	56.0	50.0	51.1
8	H	HOUSING STARTS, TOTAL	1.744	1.745	1.760	1.745	1.835	1.878	1.916	1.9501	1.932	1.784	1.811
9	H	HOUSING STARTS, MULTIFAMILY	0.595	0.601	0.613	0.632	0.650	0.668	0.683	0.6981	0.528	0.588	0.641
10	H	HOUSING STARTS, SINGLE-FAMILY	1.149	1.143	1.147	1.113	1.210	1.233	1.2521	1.404	1.284	1.197	1.176
11													
12													
13	I	FIXED INVESTMENT BY SECTOR	10.1	10.2	10.2	10.2	10.2	10.2	10.21	9.9	9.8	10.1	10.2
14	H	AGRICULTURE	3.9	4.0	4.0	4.1	4.1	4.1	4.11	3.1	3.3	3.6	4.1
15	I	MINING	51.1	51.9	52.7	53.6	54.4	55.1	56.41	41.3	45.0	50.7	53.9
16	H	MANUFACTURING DURABLE	25.2	25.7	26.2	26.7	27.2	27.7	28.21	19.1	21.6	23.3	26.9
17	H	MANUFACTURING NONDURABLE	25.9	26.2	26.6	26.9	27.1	27.4	27.81	22.2	23.5	25.1	27.0
18	I	REGULATED	46.5	47.6	48.9	50.2	51.6	52.9	55.11	33.7	38.6	46.0	50.9
19	H	TRANSPORTATION	7.9	8.2	8.4	8.6	8.7	8.7	8.71	8.9	5.4	7.0	8.6
20	H	COMMUNICATIONS	15.5	15.5	15.4	15.4	15.4	15.3	15.31	11.0	13.7	15.2	15.4
21	H	UTILITIES	23.1	24.0	25.1	26.2	27.5	28.8	31.11	17.9	19.4	22.6	26.9
22	H	COMMERCIAL	22.1	22.5	23.0	23.5	23.9	24.2	24.61	16.2	18.5	21.9	23.6
23	H	REAL SURVEY-NIA CONCEPT	20.7	20.9	21.1	21.2	21.4	21.6	21.81	20.0	20.9	21.9	23.4
24													
25	I	CHG IN BUSINESS INVESTMENT	10.2	10.8	10.7	10.4	10.3	11.0	10.11	12.0	11.3	10.8	10.6
26	I	FARMS	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.5	0.1	0.5	0.8
27	I	NONFARM MANUFACTURING	9.4	10.0	9.9	9.6	9.5	10.2	9.31	11.5	11.2	10.2	9.8
28	H	MANUFACTURING	5.7	5.8	5.8	5.9	5.9	6.0	5.51	5.3	5.9	5.8	5.9
29	H	CHG IN REAL GDP: AU	0.1	0.2	0.2	0.2	0.2	0.2	0.21	0.5	0.3	0.3	0.2
30	H	CONSUMER DURABLES	3.6	4.0	3.9	3.4	3.5	4.0	3.51	5.7	4.9	4.1	3.7

SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 7.10 INVESTMENT ANTICIPATIONS IN CONSTANT DOLLARS

LINE VAR LABEL	I	T	M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 IA1MG	B	M	I	3.1	3.0	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8
2 IA2MG	B	M	I	2.9	3.1	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
3 IA1MF	B	M	I	19.3	19.0	20.0	20.8	21.4	21.9	22.4	22.7	23.2	23.6	24.0	24.5	24.9
4 IA2MF	B	M	I	16.5	19.3	20.0	20.9	21.6	22.1	22.6	22.9	23.4	23.8	24.3	24.7	25.2
5 IA1MFH	B	M	I	22.3	22.7	23.2	23.4	23.6	23.9	24.1	24.4	24.7	25.0	25.3	25.6	25.9
6 IA2MFH	B	M	I	21.6	22.8	23.2	23.3	23.6	23.9	24.1	24.4	24.6	24.9	25.2	25.5	25.8
7 IA1RGT	B	M	I	4.6	4.6	4.6	4.9	5.1	5.3	5.6	5.9	6.3	6.6	6.9	7.3	7.5
8 IA2RGT	B	M	I	4.6	4.5	4.7	4.7	5.0	5.2	5.5	5.8	6.2	6.5	6.9	7.2	7.6
9 IA1RGU9	B	M	I	17.4	18.2	18.3	18.4	19.7	20.0	20.5	20.1	20.0	20.2	20.8	21.5	22.5
10 IA2RGU9	B	M	I	18.1	17.5	18.5	18.3	19.7	20.0	20.8	20.5	20.5	20.9	21.5	22.2	23.2
11 IA1CM98	B	M	I	27.1	26.6	26.8	27.4	28.2	29.0	30.0	30.4	30.8	31.2	31.9	32.1	32.6
12 IA2CM98	B	M	I	26.2	26.0	26.0	26.4	26.8	27.5	28.6	28.8	29.0	29.3	29.9	29.8	30.2

A PRODUCT OF WHARTON EFA., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.
SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 7.10 INVESTMENT ANTICIPATIONS IN CONSTANT DOLLARS

LINE VAR LABEL	I	T	M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 IA1MG	B	M	I	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.4	4.4	3.0	3.5	3.8	4.2
2 IA2MG	B	M	I	3.6	3.9	4.0	4.1	4.2	4.2	4.3	4.3	4.3	3.0	3.6	3.8	4.1
3 IA1MF	B	M	I	25.3	25.8	26.3	26.9	27.4	27.9	28.4	28.9	28.9	18.8	21.6	23.4	27.1
4 IA2MF	B	M	I	23.6	26.1	26.6	27.1	27.7	28.2	28.7	29.2	18.9	21.8	23.6	25.4	27.4
5 IA1MFH	B	M	I	26.3	26.7	27.0	27.4	27.6	27.9	28.2	28.4	22.5	23.0	24.0	26.1	27.5
6 IA2MFH	B	M	I	26.2	26.6	26.9	27.2	27.5	27.8	28.1	28.3	22.4	23.7	24.8	26.0	27.4
7 IA1RGT	B	M	I	7.7	8.0	8.2	8.4	8.5	8.6	8.6	8.6	4.7	5.2	6.4	7.6	8.4
8 IA2RGT	B	M	I	7.6	8.0	8.3	8.6	8.8	8.9	8.9	8.9	4.5	5.1	6.3	7.7	8.6
9 IA1RGU9	B	M	I	23.4	24.4	25.4	26.8	28.2	29.6	30.9	32.1	17.9	19.7	20.3	23.0	27.6
10 IA2RGU9	B	M	I	24.3	25.3	26.4	27.7	29.0	30.4	31.6	32.8	17.0	19.7	20.8	23.8	28.4
11 IA1CM98	B	M	I	33.2	33.9	34.6	35.4	36.0	36.6	37.1	37.5	26.7	28.6	31.1	33.0	35.7
12 IA2CM98	B	M	I	30.9	31.6	32.5	33.5	34.3	35.0	35.6	36.0	26.1	27.3	29.3	30.6	33.8

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THE WASHINGTON QUARTERLY MODEL MARK 4.0
SPECIAL QM4 FINCAST, OCTOBER 1977

TABLE 7.20 INVENTORY STOCKS AND DEFLATORS
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 CURRENT DOLLARS													
2 INVENTORY STOCKS	422.51	430.9	442.4	453.1	461.9	473.1	485.2	496.6	507.4	519.0	530.5	544.1	557.1
3 INVENTORY DEFLATORS													
4 INVENTORY STOCKS	215.71	218.8	224.7	230.5	235.9	241.1	246.5	252.0	257.6	263.2	268.8	274.4	280.2
5 INVENTORY DEFLATORS	130.41	136.5	138.4	140.1	143.4	147.1	150.6	153.9	156.8	160.5	165.0	169.7	172.0
6 INVENTORY STOCKS	79.31	81.9	85.0	88.3	91.7	95.2	98.8	102.4	106.2	110.6	114.8	119.3	124.0
7 INVENTORY DEFLATORS													
8 INVENTORY STOCKS													
9 INVENTORY DEFLATORS													
10 INVENTORY STOCKS	29.51	30.1	30.5	31.0	31.9	33.0	34.0	35.0	35.9	37.0	38.2	39.4	40.5
11 INVENTORY DEFLATORS	37.31	37.9	38.5	39.3	40.3	41.6	42.8	44.1	45.2	46.5	47.9	49.3	50.7
12 INVENTORY STOCKS	43.61	44.4	45.7	46.8	48.0	49.2	50.3	51.4	52.5	53.6	54.9	56.1	57.2
13 INVENTORY DEFLATORS	2.81	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
14 INVENTORY STOCKS	27.11	27.9	28.9	29.6	30.3	31.0	31.7	32.2	32.9	33.7	34.5	35.4	36.3
15 INVENTORY DEFLATORS	26.81	27.7	28.6	29.5	30.5	31.5	32.4	33.3	34.2	35.3	36.4	37.5	38.7
16 INVENTORY STOCKS	9.81	9.8	10.1	10.5	10.9	11.3	11.6	12.0	12.4	12.8	13.3	13.7	14.2
17 INVENTORY DEFLATORS													
18 INVENTORY STOCKS													
19 INVENTORY DEFLATORS													
20 INVENTORY STOCKS	306.11	309.0	312.4	315.3	318.0	320.9	323.7	326.2	329.1	331.8	334.5	337.2	339.9
21 INVENTORY DEFLATORS	81.21	81.6	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.9
22 INVENTORY STOCKS	249.91	267.3	270.5	273.6	276.5	279.1	281.7	284.2	286.9	289.4	291.9	294.4	296.9
23 INVENTORY DEFLATORS	130.31	131.6	133.4	135.1	136.6	137.9	139.3	140.8	142.3	143.8	145.3	146.7	148.2
24 INVENTORY STOCKS	83.81	83.9	84.4	85.1	85.9	86.6	87.4	88.3	89.1	90.0	90.8	91.6	92.4
25 INVENTORY DEFLATORS	46.41	47.7	49.0	50.0	50.7	51.3	51.9	52.5	53.2	53.8	54.5	55.1	55.8
26 INVENTORY STOCKS	111.01	112.1	113.2	114.3	115.4	116.5	117.4	118.2	119.1	119.9	120.7	121.5	122.2
27 INVENTORY DEFLATORS	58.81	59.4	60.2	61.0	61.9	62.7	63.3	64.0	64.6	65.2	65.8	66.4	66.8
28 INVENTORY STOCKS	50.11	50.7	51.3	52.0	52.9	53.6	54.2	54.7	55.3	55.8	56.4	56.9	57.3
29 INVENTORY DEFLATORS	8.71	8.8	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.5	9.5
30 INVENTORY STOCKS	52.21	52.6	53.0	53.3	53.6	53.8	54.0	54.3	54.5	54.7	54.9	55.1	55.3
31 INVENTORY DEFLATORS	23.61	23.6	23.9	24.2	24.5	24.7	25.0	25.2	25.5	25.7	25.9	26.2	26.6
32 INVENTORY STOCKS	159.51	161.2	163.5	165.6	167.0	169.5	172.2	174.7	176.9	179.3	181.8	185.0	187.6
33 INVENTORY DEFLATORS	166.41	168.6	169.0	169.7	169.9	170.3	170.8	171.3	171.8	172.3	172.8	173.3	173.8
34 INVENTORY STOCKS	170.91	171.8	173.3	176.5	180.8	185.6	190.2	194.8	199.7	205.5	210.8	216.5	222.4
35 INVENTORY DEFLATORS	131.81	134.2	135.9	137.5	140.0	142.9	145.4	147.7	149.9	152.4	155.4	158.1	160.5
36 INVENTORY STOCKS	136.81	137.2	137.8	139.1	141.4	143.9	145.9	147.5	149.3	152.0	154.5	157.1	159.8
37 INVENTORY DEFLATORS													
38 INVENTORY STOCKS													
39 INVENTORY DEFLATORS													

A PRODUCT OF WASHINGTON EFA., 4025 CHESTNUT ST., PHILA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE WHARTON DUAIRTELRY MODEL MARK 4.6
SPECIAL OMR FORECAST, OCTOBER 1977

TABLE 7.20 INVENTORY STOCKS AND DEFLATORS

LINE VAR LABEL	I L L M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	CURRENT DOLLARS													
2	I MANUFACTURING	568.9	563.3	596.9	608.1	620.9	634.6	648.1	659.6	427.9	468.3	513.4	561.5	615.1
3	II MANUFACTURING													
4	III MANUFACTURING													
5	IV MANUFACTURING	285.8	291.6	297.5	303.4	309.4	315.4	321.4	327.2	217.0	238.5	260.4	281.0	304.4
6	V MANUFACTURING	176.6	180.6	184.0	187.5	191.5	195.2	198.6	201.8	135.6	145.3	159.0	174.5	184.5
7	VI MANUFACTURING	178.5	133.2	138.0	142.8	147.8	152.9	158.2	163.4	81.0	93.5	108.5	124.1	145.4
8	WORK VALUE OF STAGE													
9	OF PROCESS INVENTORIES													
10	DURABLES													
11	I FINISHED GOODS	41.8	43.0	44.2	45.4	46.7	48.1	49.4	50.8	29.7	32.5	36.6	41.2	46.1
12	II MATERIALS & SUPPLIES	52.2	53.6	55.1	56.5	58.1	59.6	61.2	62.8	37.4	41.0	45.9	51.5	57.3
13	III WORK IN PROGRESS	58.3	59.3	60.2	61.1	61.8	62.5	63.0	63.3	48.3	48.6	53.1	57.7	61.4
14	IV RATIO MAT & SUP TO WIP	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	2.7
15	NONDURABLES													
16	I FINISHED GOODS	37.2	38.0	38.9	39.9	40.8	41.8	42.9	44.0	27.5	30.7	33.3	36.7	40.4
17	II MATERIALS & SUPPLIES	39.8	40.9	42.1	43.2	44.4	45.5	46.7	47.9	27.4	31.0	34.6	39.2	43.8
18	III WORK IN PROGRESS	14.6	15.0	15.5	16.0	16.4	16.9	17.4	17.9	9.7	11.1	12.6	14.4	16.2
19														
20	CONSTANT DOLLARS													
21	I INVENTORIES	142.5	145.2	147.9	150.4	153.0	155.0	158.4	161.0	307.6	319.5	330.4	341.2	351.0
22	II MANUFACTURING	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	41.5	41.7	42.3	43.1	43.9
23	III MANUFACTURING	299.3	301.8	304.3	306.6	309.0	311.6	314.0	316.4	266.0	277.7	288.1	298.1	307.9
24	IV MANUFACTURING	149.6	151.1	152.5	154.0	155.5	157.0	158.4	159.7	131.0	137.2	143.0	148.9	154.7
25	V MANUFACTURING	43.2	44.0	44.8	45.6	46.3	47.1	47.8	48.4	83.8	86.3	89.6	92.8	95.9
26	VI RATIO MAT & SUP TO WIP	56.4	57.1	57.7	58.4	59.1	59.9	60.6	61.3	47.2	51.0	53.5	56.1	58.8
27	NONDURABLES	122.8	123.5	124.1	124.7	125.3	126.0	126.7	127.3	111.8	115.9	119.5	122.5	125.0
28	I FINISHED GOODS	67.2	67.7	68.2	68.5	68.9	69.4	69.9	70.3	59.1	62.2	64.9	67.0	68.8
29	II MATERIALS & SUPPLIES	57.7	58.1	58.6	58.9	59.2	59.6	60.1	60.4	50.3	53.2	55.5	57.5	59.1
30	III WORK IN PROGRESS	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9	8.0	9.0	9.3	9.5	9.7
31	IV RATIO MAT & SUP TO WIP	55.5	55.7	55.9	56.1	56.4	56.6	56.8	57.0	52.3	53.7	54.6	55.4	56.3
32	NONDURABLES	26.9	27.3	27.6	27.9	28.3	28.6	29.0	29.3	23.7	24.6	25.6	26.7	28.1
33														
34	I INVENTORIES	190.1	193.3	196.2	198.3	200.9	203.7	206.4	208.5	160.8	168.6	178.2	189.0	199.6
35	II MANUFACTURING	184.5	192.2	194.2	196.2	198.8	201.1	203.1	205.0	161.9	168.8	177.5	188.0	197.6
36	III MANUFACTURING	227.9	233.8	239.0	244.4	249.8	255.2	261.0	266.4	171.6	183.3	202.7	225.0	247.1
37	IV MANUFACTURING	163.4	166.0	168.5	170.6	173.0	175.3	177.6	179.7	132.9	141.5	151.4	162.0	171.8
38	V RATIO MAT & SUP TO WIP	162.4	164.7	167.1	169.5	171.8	174.1	176.7	179.2	136.7	142.6	150.8	161.0	170.6
39	NONDURABLES													

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THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL INR FORECAST OCTOBER 1977

TABLE 7-30 ORDERS AND SHIPMENTS
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE	VAR LABEL	UNIT	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
CURRENT DOLLARS															
NET ORDERS NET															
1	ORDERS		1339.81	1192.4	1202.8	1232.5	1267.0	1302.5	1330.1	1364.6	1400.6	1438.7	1478.7	1524.0	1566.8
2	ORDERS		705.51	715.5	715.6	736.6	766.1	796.2	812.6	836.4	862.1	890.5	918.4	948.6	978.2
3	ORDERS		593.01	600.7	599.1	618.1	645.5	673.8	688.5	704.8	733.0	754.5	785.3	812.5	839.4
4	ORDERS		42.11	43.2	44.1	45.3	46.3	47.2	48.1	49.3	50.3	51.3	52.3	53.4	54.4
5	ORDERS		217.91	222.8	226.4	231.6	236.8	243.9	250.5	257.6	264.8	272.6	280.5	291.1	300.1
6	ORDERS		36.31	36.3	36.7	37.1	37.5	38.9	39.3	39.7	40.1	40.5	40.9	41.3	41.7
7	ORDERS		181.61	186.1	189.7	194.5	199.3	205.0	211.2	217.9	224.7	232.1	239.6	249.8	258.4
8	ORDERS		333.11	335.2	328.5	341.2	362.4	382.6	389.9	403.0	416.0	435.6	452.5	468.0	485.4
9	ORDERS		634.21	634.2	636.4	651.2	671.0	690.9	707.4	725.3	745.8	773.1	793.7	817.9	842.6
SHIPMENTS															
10	ORDERS		1319.91	1331.0	1332.9	1361.5	1401.9	1441.8	1480.0	1521.3	1566.6	1622.7	1671.3	1727.1	1784.0
11	ORDERS		695.01	692.5	695.6	710.9	732.0	753.2	773.9	797.1	821.3	849.9	878.4	910.1	942.1
12	ORDERS		112.51	114.8	116.6	118.5	120.6	122.4	124.1	126.6	129.1	131.0	133.1	136.1	139.0
13	ORDERS		572.51	577.7	579.1	592.4	611.3	630.7	649.8	670.6	692.2	710.9	745.3	774.0	803.1
14	ORDERS		634.91	638.4	637.3	650.6	669.9	688.7	706.1	724.1	745.3	772.8	793.0	816.9	841.9
UNFILLED ORDERS															
15	ORDERS		183.11	187.5	192.0	198.0	206.2	216.5	225.6	234.8	244.1	253.3	262.5	271.3	279.7
16	ORDERS		174.81	180.6	185.6	192.0	200.6	211.3	221.0	230.8	241.0	251.2	261.2	270.8	280.0
17	ORDERS		8.31	7.2	7.0	7.2	7.6	8.2	8.5	8.8	9.0	9.2	9.4	9.6	

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THE HANTON QUARTERLY MODEL MARKET
SPECIAL ORDER FORECAST OCTOBER 1977

TABLE 7.30 ORDERS AND SHIPMENTS

LINE	VAR LABEL	1980,3	1981,1	1981,2	1981,3	1981,4	1982,1	1982,2	1977	1978	1979	1980	1981
1	CURRENT INFLATE												
2	NET ORDERS NET												
3	MANUFACTURING	1089,7	1659,2	1708,0	1756,2	1808,6	1863,3	1910,1	1962,0	1927,4	1920,7	1589,9	1784,0
4	DURABLES	1012,8	1047,6	1083,8	1117,2	1153,7	1190,4	1227,5	1262,2	1273,5	1277,9	876,9	997,0
5	NON-DURABLES	87,5	904,1	917,3	947,6	1001,6	1036,1	1070,2	1101,7	1101,7	106,9	85,0	945,6
6	MANUFACTURING	55,6	56,5	57,6	58,6	59,4	61,0	62,1	63,4	62,6	66,7	50,8	54,3
7	DURABLES	109,2	320,1	330,6	340,2	349,9	361,5	372,0	381,6	381,6	268,7	268,9	305,1
8	NON-DURABLES	42,1	43,6	44,2	44,8	45,2	47,5	48,1	48,9	48,1	48,1	42,2	45,8
9	MANUFACTURING	267,1	276,5	286,4	295,4	304,7	314,0	323,9	332,7	332,7	282,5	228,6	300,2
10	DURABLES	586,7	527,4	544,1	568,7	591,8	613,6	636,1	656,7	631,8	369,0	427,3	580,8
11	NON-DURABLES	885,9	896,7	912,4	937,5	965,1	987,8	1013,5	1035,0	1030,5	680,3	759,5	950,7
12	MANUFACTURING												
13	DURABLES												
14	NON-DURABLES												
15	SHIPMENTS	1042,9	1901,0	1967,1	2031,0	2100,0	2167,2	2239,2	2303,0	2316,9	1421,3	1595,5	1813,7
16	MANUFACTURING	978,0	1015,5	1056,0	1095,1	1137,2	1180,6	1225,7	1267,6	1285,2	742,5	836,7	961,0
17	DURABLES	141,3	143,5	146,5	149,6	152,1	154,3	157,4	160,5	163,3	121,8	129,7	140,0
18	NON-DURABLES	836,6	871,9	909,6	945,5	985,2	1026,3	1068,4	1107,1	1121,9	621,1	706,7	821,0
19	MANUFACTURING	864,9	885,6	911,1	935,9	962,7	986,6	1013,5	1036,0	1031,7	678,8	758,8	852,3
20	DURABLES												
21	NON-DURABLES												
22	FILLED ORDERS	207,7	295,1	301,6	306,0	311,0	313,5	313,9	312,7	185,2	211,6	248,6	308,2
23	MANUFACTURING	208,7	296,7	303,7	309,2	313,3	315,8	316,2	314,9	177,7	206,2	246,0	310,5
24	DURABLES	9,0	10,1	10,4	10,8	11,4	11,7	11,7	11,6	7,8	7,9	9,0	11,1
25	NON-DURABLES												

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THE MONTHLY QUARTERLY MODEL MANNA 0.0
SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 0.00 EXPORTS & IMPORTS IN CURRENT DOLLARS

LINE	VAR LABEL	ITEM	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	THBS	NET EXPORTS-----	-9.71	-10.6	-13.6	-15.3	-15.2	-13.2	-10.6	-0.1	-6.1	-3.7	-0.8	1.0	7.6
2	TACGS	NET EXPORTS OF GOODS	-29.51	-30.4	-32.7	-34.2	-34.1	-32.6	-10.5	-24.7	-27.2	-25.4	-21.0	-19.6	-15.2
3	TEBS	TOTAL EXPORTS, NIA	170.11	181.5	185.5	190.6	196.7	204.2	212.6	220.9	229.7	249.1	269.0	250.0	270.0
4	TEGDS	MERCHANDISE EXPON	122.01	124.4	127.6	131.7	136.5	142.8	149.0	155.0	162.6	170.3	178.1	186.2	195.6
5	TEGDS	MERCHANDISE EXPT	119.01	121.9	125.1	129.2	134.0	139.9	146.5	153.1	160.1	167.8	175.6	183.7	193.1
6	TEGDS	FUEL & OIL	16.21	15.9	16.6	17.4	18.6	20.8	25.2	27.6	30.7	31.5	35.9	39.1	43.5
7	TEGDS	FUELS	4.61	4.7	5.0	5.4	5.8	6.2	6.6	6.8	6.9	7.0	7.1	7.1	7.1
8	TEGDS	MANUFACTURED GO	83.21	84.0	86.0	89.0	92.5	96.4	100.0	103.2	106.6	110.0	113.6	117.6	122.0
9	TEGDS	AUTOS	12.21	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8
10	TEGDS	CIVILIAN AIRCR	5.61	5.2	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1
11	TEGDS	OTHER - RESIDUA	65.51	60.3	60.1	70.7	73.8	77.3	80.5	83.3	86.3	89.3	92.5	96.1	100.5
12	TEGDS	LESS INCONCEPTUAL	-2.31	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
13	TEGDS	VS. CENSUS MERCHANDISE													
14	TEGDS	SERVICE EXPORTS	50.31	51.0	51.8	51.8	52.8	54.2	55.6	57.2	58.8	60.4	62.0	63.5	65.0
15	TEGDS	INVESTMENT INCU	26.31	25.7	25.8	26.0	26.4	27.0	27.7	28.5	29.2	29.9	30.6	31.3	31.9
16	TEGDS	TRANSPORTATION	0.51	0.6	0.9	0.1	0.4	0.7	1.0	1.0	1.0	1.1	1.1	1.1	1.1
17	TEGDS	TRAVEL	6.11	6.3	6.4	6.5	6.6	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.6
18	TEGDS	OTHER SERVICES	9.41	9.7	9.9	10.2	10.8	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
19	TEGDS	MILITARY SALES	7.51	6.8	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.6	8.9	9.1	9.4
20	TEGDS	TIMING DISCREP, BO	-1.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	THNS	TOTAL IMPORTS, NIA	187.71	192.1	199.1	205.9	211.9	217.4	223.2	229.0	235.8	243.0	249.8	255.8	262.4
22	THGDS	MERCHANDISE IMPOR	153.01	156.3	161.9	167.5	172.2	176.7	181.2	185.9	191.4	197.3	202.7	207.4	212.4
23	THGDS	MERCHANDISE IMPT	149.11	152.2	157.8	163.4	168.1	172.6	177.1	181.0	187.3	193.2	198.6	203.3	208.3
24	THGDS	FOOD AND BEVERA	16.01	16.5	16.9	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1
25	THGDS	MATERIALS	0.51	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26	THGDS	FUELS	45.01	40.0	45.5	48.3	50.3	51.7	53.2	54.7	56.2	57.8	59.4	61.6	64.0
27	THGDS	MANUFACTURED GO	74.71	83.0	86.5	88.8	91.1	93.7	96.2	98.8	102.3	106.1	109.3	111.3	113.5
28	THGDS	AUTOS & PARTS	17.91	18.2	18.5	18.7	18.9	19.3	19.5	19.9	20.2	20.6	21.0	21.4	21.8
29	THGDS	CANADIAN AUTO	9.51	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
30	THGDS	MEXICAN AUTO	0.21	0.6	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
31	THGDS	OTHER - RESIDUA	61.71	64.8	68.0	70.2	72.2	74.5	76.6	78.4	82.1	85.5	88.4	89.9	91.7
32	THGDS	LESS INCONCEPTUAL	-4.21	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
33	THGDS	VS. CENSUS MERCHANDISE													
34	THGDS	SERVICE IMPORTS	34.21	35.3	36.7	38.1	39.3	40.3	41.6	42.8	44.0	45.4	46.7	48.1	49.6
35	THGDS	TRAVEL	7.31	7.6	8.0	8.3	8.7	9.0	9.2	9.5	9.9	10.1	10.3	10.6	10.9
36	THGDS	TRANSPORT	10.31	10.7	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.7	15.3	15.9	16.5
37	THGDS	PAYMENT OF FRG	12.71	13.1	13.6	13.9	14.3	14.6	15.0	15.4	15.8	16.3	16.8	17.4	17.9
38	THGDS	OTHER SERVICES	3.91	4.0	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5	4.5	4.6
39	THGDS	DEFENSE EX	5.01	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
40	THGDS	TIMING DISCREP, BO	-0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	THGDS	LESS INCONCEPTUAL	5.21	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2

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THE W H A R T I O N Q U A R T E R L Y M O D E L M A K K 4.6
SPECIAL QMR FORECAST: OCTOBER 1977

LINE	VAR LABEL	I I L M	TABLE 6.0C EXPORTS & IMPORTS IN CURRENT DOLLARS												
			1980,3	1980,6	1981,1	1981,3	1981,6	1982,1	1982,2	1977	1978	1979	1980	1981	
1	TMS		13.4	17.5	21.2	22.2	21.9	20.2	18.6	18.4	-10.5	-13.6	-4.7	10.4	21.4
2	TCCG3														
3	TCCG3			-9.6	-2.1	-1.1	-1.4	-3.1	-4.7	-4.0	-29.5	-12.4	-26.1	-12.5	-1.4
4															
5															
6	TENS		280.0	290.0	296.0	303.6	308.2	312.5	317.1	321.0	178.4	201.0	234.7	274.9	305.6
7															
8	TENGTEUSD		204.9	212.6	219.3	223.9	227.2	230.3	233.8	237.4	122.9	119.9	166.6	199.8	225.2
9	TCCG3														
10	TCCG3														
11	TCCG3														
12	TCCG3														
13	TCCG3														
14	TCCG3														
15	TCCG3														
16	TCCG3														
17	TCCG3														
18	TCCG3														
19	TCCG3														
20	TCCG3														
21	TCCG3														
22	TCCG3														
23	TCCG3														
24	TCCG3														
25	TCCG3														
26															
27	TMS		267.5	272.5	276.8	281.6	286.3	292.3	298.5	303.4	189.4	214.6	239.4	284.6	284.3
28															
29	TMGTEUSD		216.0	219.8	222.9	226.6	230.1	235.0	240.1	243.9	154.5	174.4	194.3	213.9	228.7
30	TCCG3														
31	TCCG3														
32	TCCG3														
33	TCCG3														
34	TCCG3														
35	TCCG3														
36	TCCG3														
37	TCCG3														
38	TCCG3														
39	TCCG3														
40	TCCG3														
41	TMS		51.0	52.3	53.4	54.6	55.8	57.0	58.0	59.1	34.7	39.0	44.7	50.3	55.2
42	TMS														
43	TMS														
44	TMS														
45	TMS														
46	TMS														
47	TMS														
48	TMS														
49	TMS														
50	TMS														

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T I M E S E R I E S M O D E L M A K 4.0
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 4.10 FOREIGN TRADE VARIABLES
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 LEVELS													
2 MEXMA	100.01	100.9	101.1	101.7	102.3	103.2	103.8	104.7	105.0	105.2	105.5	105.6	105.6
3 MEXCA	95.01	93.4	93.0	93.0	93.5	93.5	94.0	94.0	94.0	94.0	94.5	94.5	94.5
4 MEXNE	4.361	4.36	4.25	4.15	4.05	4.00	3.90	3.80	3.70	3.60	3.50	3.40	3.30
5 MEXUN	171.91	173.4	175.0	176.5	179.0	181.5	184.0	186.6	189.4	192.0	194.4	196.7	198.7
6 MEXFR	20.191	20.40	20.40	20.50	20.55	20.60	20.65	20.70	20.70	20.70	20.70	20.70	20.70
7 MEXIT	0.1131	0.113	0.112	0.111	0.110	0.109	0.108	0.107	0.105	0.104	0.103	0.102	0.102
8 MEXJA	42.31	43.4	43.6	44.0	44.6	45.3	46.0	46.8	47.3	47.8	48.2	48.5	48.7
9 MEXEA	0.3631	0.376	0.380	0.384	0.388	0.392	0.396	0.400	0.400	0.400	0.400	0.400	0.400
10 IMPRTFHC	98.31	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
11 ZWALUMP	0.071	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09
12													
13 PERCENT CHANGES													
14 IIMW	3.11	3.5	4.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0
15 PTIMW	6.01	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.0	6.0	6.0	6.0
16 ZMAPA	0.01	10.3	10.0	9.7	8.9	8.0	8.0	8.2	8.1	8.1	8.1	8.1	8.1
17 ZMAPM	9.01	12.4	10.2	11.0	10.7	11.0	9.8	11.0	8.4	8.2	9.0	7.9	7.9
18 ZMAPFD	9.91	12.0	10.2	11.0	10.7	11.0	9.8	11.0	8.4	8.2	9.0	7.9	7.9
19 ZMAPA	9.91	13.9	13.0	12.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
20 ZMAPM	16.51	14.9	14.0	13.0	13.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
21 ZMAPM	6.11	6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
22 ZMAPM	13.51	13.1	12.0	12.0	12.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0	9.0
23 ZMAPM	6.11	3.9	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
24 ZMAPM	3.31	3.9	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
25 ZMAPCET	6.21	14.1	10.6	10.0	10.0	11.0	8.2	8.8	7.1	7.1	6.9	7.5	6.6
26 ZMAPCET	6.11	13.4	10.1	10.3	9.4	11.4	7.9	8.8	6.5	6.4	6.3	7.1	6.0
27 ZMAPC	9.61	9.5	9.5	9.0	8.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0
28 ZMAPC	16.71	25.1	22.0	20.0	18.0	16.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
29 ZMAPC	19.01	15.9	15.5	15.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
30 ZMAPC	12.91	15.2	13.0	12.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
31 ZMAPC	16.01	16.4	16.0	15.0	14.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
32 ZMAPC	5.81	4.6	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
33 ZMAPC	10.01	10.1	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
34 ZMAP7	2.91	2.3	3.0	4.0	5.7	6.5	6.5	6.5	6.5	6.6	6.6	6.5	6.5
35 ZMAP6	-2.01	2.1	2.9	3.6	4.5	4.7	4.7	5.0	5.0	5.1	4.8	4.8	4.8
36 ZMAP	1.81	2.5	3.0	4.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
37 ZMAP	7.11	2.0	3.0	4.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
38 ZMAP	-3.71	1.1	1.5	1.5	2.0	2.5	3.0	3.0	3.5	4.0	4.0	4.0	4.0
39 ZMAP	-4.91	1.3	3.0	3.5	4.0	4.0	4.5	5.0	5.0	5.0	5.0	5.0	5.0
40 ZMAP	-24.61	1.9	2.5	3.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
41 ZMAP	0.71	0.9	2.0	3.0	4.0	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0
42 ZMAP	3.11	4.1	4.5	5.5	6.5	6.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5
43													
44 PINEIFL	6.71	12.9	13.6	13.5	11.2	10.7	10.2	10.6	10.9	10.4	10.4	10.4	11.2
45 ZEPTEAU	6.21	4.1	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3
46 PILEGDF	-1.51	-6.9	-13.5	0.2	4.3	5.8	2.8	-2.3	3.4	3.4	3.0	3.0	3.0
47 PILEGDFM	31.31	10.3	5.5	5.5	5.2	5.0	5.0	5.0	4.7	4.7	4.5	4.5	4.2
48 PILEGDFM	32.31	19.8	9.4	4.8	0.8	-2.8	-6.4	-8.9	1.7	1.1	0.1	0.1	0.1
49 PILEGDFM	4.31	5.0	5.7	6.6	6.9	6.6	6.2	6.5	7.1	6.7	7.5	8.1	8.1
50 PILEGDFM	3.31	4.9	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.5	6.5	6.0
51 PILEGDFM	9.01	5.6	5.0	10.1	7.4	5.9	5.9	5.9	5.9	6.0	6.0	5.9	5.9
52 PILEGDFM	60.71	9.9	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
53 ZMAPMTH7D	-12.01	-3.6	-3.6	0.0	1.0	1.5	2.0	3.0	4.0	4.0	4.0	4.0	4.0

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THE W H A R T U N Q U A R T E R L Y M O D E L M A R K 4,6
SPECIAL OMM FORECAST: OCTUBER 1977

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 GVRF3	371.21	363.8	396.6	407.1	415.1	430.4	442.2	446.0	450.2	471.7	483.2	502.8	515.5
2 TRCF3	168.61	170.4	178.0	175.5	181.1	190.0	201.9	193.6	200.2	207.2	215.2	219.1	226.6
3 TRCF3	59.91	67.2	70.6	69.7	70.2	70.7	72.7	70.6	77.9	81.8	82.6	82.9	83.5
4 TRCF3	24.61	24.9	25.3	29.6	29.7	29.9	30.0	36.5	36.7	37.0	37.3	42.9	43.6
5 TRCF3	0.01	0.0	0.0	4.5	4.4	4.3	4.1	8.8	8.7	8.7	8.7	11.6	12.0
6 TRCF3	24.61	24.9	25.3	25.1	25.3	25.6	25.9	27.7	28.0	28.1	28.6	31.3	31.6
7 TRCF3	4.01	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5
8 TRCF3	20.21	20.6	20.9	20.7	21.0	21.2	21.5	23.3	23.6	23.8	24.1	26.9	27.1
9 TRCF3	118.11	121.3	122.8	132.3	134.0	135.8	137.7	141.3	143.5	145.8	148.1	152.3	154.8
10													
11 GVLF3	411.51	430.6	483.8	454.5	465.3	479.4	494.3	503.7	513.1	531.7	547.3	550.4	559.3
12 GVLF3	143.01	151.5	157.9	160.7	163.5	166.5	173.7	174.4	179.1	182.3	190.6	193.8	196.9
13 GVLF3	93.41	97.3	101.7	103.2	104.7	106.4	110.9	112.6	114.3	116.8	121.6	123.4	125.3
14 GVLF3	50.21	54.2	56.2	57.5	58.8	60.1	62.8	63.8	64.8	65.9	69.0	70.3	71.7
15 TRGF3	169.31	174.4	176.8	180.1	183.1	190.0	195.9	195.9	198.9	211.5	211.2	214.7	218.2
16 TRGF3	2.91	3.3	3.3	3.3	3.4	3.5	3.6	3.6	3.6	3.7	3.7	3.8	3.8
17 TRGF3	166.81	171.1	173.5	176.8	179.7	186.5	189.3	192.3	195.3	207.8	207.5	210.9	214.4
18 TRGF3	12.31	12.3	12.7	13.0	12.9	12.7	12.5	12.5	12.5	12.4	12.2	12.1	12.1
19 TRGF3	154.11	158.8	160.8	163.8	166.8	173.8	176.8	179.8	182.8	195.4	195.3	198.8	202.3
20 TRGF3	63.61	67.0	69.5	72.0	74.5	77.0	79.5	82.0	84.5	86.0	87.5	89.0	90.5
21 TRGF3	29.11	29.7	30.6	31.7	32.7	33.9	35.1	36.4	37.7	38.8	39.9	40.9	41.6
22 TRGF3	5.91	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23 TRGF3	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24													
25 GVSRP3	-40.31	-46.8	-47.2	-47.4	-50.3	-49.0	-52.1	-57.6	-54.9	-60.0	-59.1	-47.6	-43.8

SPECIAL INH FORECAST: OCTOBER 1977

LINE	VAN LABEL	I T E M	TABLE 10.00 STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES												
			1980.3	1980.8	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	GVRSS	I STATE & LOCAL GOV RE	386.6	398.7	402.4	410.2	418.4	426.7	434.8	442.91	292.2	321.1	351.8	387.9	418.4
2	TRCPSA	M PERSONAL TAX/MONTAX	82.1	84.8	87.2	89.6	92.3	95.2	97.9	100.51	56.8	61.9	71.9	81.0	91.1
3	TRCPSB	B CORPORATE PROFITS T	12.2	12.6	12.9	13.2	13.5	13.8	14.2	14.41	9.8	10.5	11.1	12.2	13.4
4	TRCPSA	I INDIRECT BUS TAX &	173.7	176.5	179.4	182.3	185.3	188.1	191.1	194.01	119.9	149.1	159.9	172.1	183.8
5	TRCPSB	M LIQUOR & TOBACCO S	5.8	5.8	5.8	5.8	5.9	5.9	5.9	6.01	5.9	5.7	5.7	5.8	
6	TRCPSB	M GASOLINE TAXES---	10.6	10.8	10.9	11.0	11.1	11.2	11.3	11.51	9.8	9.7	10.1	10.6	11.1
7	TRCPSB	M PROPERTY TAX-----	80.4	81.9	83.4	85.0	86.3	87.7	89.1	90.61	62.7	67.3	73.1	79.6	85.6
8	TRCPSB	M OTHER TAX-----	76.9	78.0	79.3	80.5	82.0	83.3	84.7	86.01	61.9	66.4	71.1	76.2	81.3
9	TRCPSB	M CONTRIBUTIONS SUCH A	26.6	27.2	27.9	28.6	29.3	30.0	30.8	31.51	20.1	21.8	23.9	26.3	29.0
10	GVRIAS	F GRANTS-IN-AID FR FF	92.0	93.5	95.0	96.5	98.0	99.5	101.0	102.51	65.5	75.8	85.0	91.3	97.3
11															
12	GVESS	I STATE & LOCAL GOVT E	360.9	369.6	378.4	387.5	396.8	406.4	416.1	426.11	266.0	294.6	324.2	356.7	392.3
13	GVPSB	E PURCHASES OF GOODS	333.6	341.3	349.1	357.1	365.3	373.7	382.3	391.01	249.9	275.2	301.3	330.0	361.3
14	TRGSPB	M TRANSFER PAYMTS TO	39.3	40.3	41.5	42.4	43.5	44.7	45.9	47.11	28.1	31.4	34.9	38.0	43.0
15	YVJHSS	E NET INTEREST PAID--	-6.3	-6.3	-6.3	-6.3	-6.3	-6.3	-6.3	-6.31	-6.3	-6.3	-6.3	-6.3	
16	GVSHITSS	E SUR LESS CUR SUR GO	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.71	-5.7	-5.7	-5.7	-5.7	
17	VALDGS	E LESS: WAGE ACCR LES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	
18															
19	GVSRPSS	I STATE LOCAL SUPPL: NIA	25.8	25.1	24.0	22.7	21.5	20.3	18.7	16.81	26.1	26.5	27.5	26.1	22.1

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BEST AVAILABLE COPY

THE BARRUM QUARTERLY MODEL MARK 4.6
SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 11.00 GNP, NATIONAL INCOME, PERSONAL INCOME AND PERSONAL SAVINGS

LINE VAR LABEL	I	F	M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 GNP	I			1869.4	1919.0	1973.5	2019.8	2065.7	2110.5	2161.4	2210.6	2261.3	2315.6	2374.2	2434.5	2492.0
2 CCATS	R			193.31	200.2	204.9	211.0	216.4	222.1	227.7	234.2	240.3	246.7	253.1	261.2	268.5
3																
4																
5 NPFS	I			1676.5	1710.7	1768.5	1800.6	1849.3	1888.4	1933.7	1976.5	2021.0	2068.9	2121.1	2173.1	2223.5
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THE W H A R T O N W A K E F I E L D M O D E L M A K K 4,6
SPECIAL UMM FORECAST OCTOBER 1977

TABLE 11.00 GNP, NATIONAL INCOME, PERSONAL INCOME AND PERSONAL SAVINGS

Table with columns for Line Var Label, 1980.3, 1981.1, 1981.2, 1981.3, 1981.4, 1982.1, 1982.2, 1977, 1978, 1979, 1980, 1981. Rows include GNP, Capital Consumption, National Income, Personal Income, Personal Savings, Corporate Profits, Government Transfers, Business Transfers, etc.

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THE WASHINGTON QUARTERLY MODEL MARK 4,6
SPECIAL UNR FORECASTS OCTOBER 1977

TABLE 12.00 NATIONAL INCOME BY TYPE

LINE	VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	NATIONAL INCOME	1505.711545.5	1593.9	1628.4	1667.6	1704.8	1748.3	1781.8	1822.8	1867.1	1915.8	1957.7	2009.1	
2														
3	COMPENSATION OF EMPLOYEES	1148.711169.7	1200.9	1232.5	1261.4	1288.6	1320.6	1349.2	1378.1	1408.4	1448.4	1476.7	1509.4	
4	WAGES AND SALARIES	900.911000.9	1027.6	1049.0	1073.4	1096.3	1123.6	1146.8	1171.1	1196.7	1227.5	1253.9	1281.6	
5	PRIVATE INDUSTRIES	783.61800.9	820.5	839.3	861.2	881.5	901.4	922.1	948.0	967.3	990.2	1014.0	1039.2	
6	SUPPLEMENTS TO WAGES &	163.81168.8	173.3	183.5	188.0	192.3	197.0	202.4	207.0	211.7	216.9	222.8	227.4	
7	EMPLOYER CONTRIB - SO	77.1179.1	80.2	87.4	88.7	90.0	91.3	93.7	95.2	96.9	98.5	101.2	103.8	
8	OTHER	86.7189.6	93.1	96.1	99.3	102.3	105.7	108.7	111.7	114.9	118.4	121.5	124.8	
9														
10	PROPRIETORS' INCOME	97.0196.8	97.2	97.3	99.0	101.0	102.4	100.5	102.3	105.2	106.4	106.4	109.2	
11	BUSINESS AND PROFESSION	77.3180.6	82.0	82.2	83.0	84.2	85.7	86.7	88.1	89.7	91.4	92.7	94.2	
12	FARMS	19.7116.2	15.2	15.0	16.0	16.8	16.7	15.8	14.1	15.5	15.0	13.7	15.0	
13	RENTAL INCOME OF PERSONS	24.9121.2	23.5	23.9	24.8	25.6	26.4	26.6	27.4	28.0	28.5	28.6	29.2	
14	NET INTEREST	98.91102.0	105.7	109.4	113.2	117.0	120.7	124.5	128.4	132.2	136.2	140.2	144.4	
15														
16	CORPORATE PROFITS & IVA	140.21155.9	166.5	165.2	169.3	172.5	178.2	180.5	186.7	193.4	200.4	205.8	211.9	
17	CORPORATE PROFITS NETO	174.01167.2	195.9	202.2	204.4	206.4	212.0	216.8	225.3	235.6	238.3	253.6	259.2	
18	PROFITS TAX LIABILITY	69.7177.3	81.0	80.1	80.6	81.2	83.3	85.3	88.8	91.0	93.9	100.3	102.5	
19	CORPORATE PROFITS AFT	104.31110.0	115.0	122.1	123.8	125.2	128.7	131.5	136.5	142.6	148.8	151.3	156.7	
20	DIVIDENDS	80.3182.6	84.4	86.2	87.8	89.4	91.0	93.0	95.0	97.0	99.0	101.0	103.0	
21	UNDISTRIBUTED PROFITS	64.1167.4	70.6	75.9	76.0	75.8	77.7	78.4	80.7	83.7	82.0	87.4	88.2	
22	INVESTMENT VALUATION AD	-17.81-15.1	-12.8	-19.9	-17.6	-16.0	-15.5	-17.6	-19.5	-22.7	-18.1	-27.5	-26.4	
23	CORP CAP GUNS ALLOW AD	-15.91-16.3	-16.7	-17.1	-17.5	-17.9	-18.3	-18.7	-19.1	-19.5	-19.9	-20.3	-20.7	
24														
25	ADJUSTED													
26	CORPORATE PROFITS, FED RES R	6.216.4	6.7	7.0	7.1	7.3	7.5	7.7	7.9	8.1	8.2	8.5	8.8	
27	CORPORATE PROFITS, REST OF W	10.7110.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	

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THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL UNK FORECAST: OCTOBER 1977

TABLE 12.00 NATIONAL INCOME BY TYPE

LINE VAR LABEL	1980.5	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 YNS	2053.6	2107.9	2156.0	2203.6	2256.4	2313.0	2363.8	2413.3	11523.8	1687.3	1846.8	2030.8	2232.3
2													
3 NHCS	1543.8	1582.8	1618.7	1653.9	1691.7	1735.2	1774.3	1812.0	1156.3	1275.8	1345.0	1528.0	1674.9
4 NHSS	310.8	348.1	373.9	403.9	436.2	473.8	506.2	538.5	490.2	1085.6	1185.5	1247.5	1421.9
5 NHSPVS	1065.3	1090.4	1117.4	1144.5	1174.0	1202.5	1232.0	1261.3	790.3	870.8	955.0	1052.2	1159.6
6 SUPTS	232.9	238.4	244.8	250.0	255.5	261.4	268.1	273.5	166.1	190.2	208.5	230.5	252.9
7 SUPTES	104.9	106.7	109.7	111.7	113.7	115.7	119.0	121.0	78.0	89.4	96.1	103.9	112.7
8 SUPTOS	128.1	131.7	135.0	138.3	141.8	145.7	149.1	152.5	88.2	100.8	113.4	126.5	140.2
9													
10 YENTS	110.9	113.3	112.9	114.5	116.4	118.5	119.9	121.5	96.5	99.9	103.6	110.0	115.6
11 YENTBS	96.0	97.8	99.3	100.7	102.4	104.0	105.4	106.8	78.6	83.8	89.0	95.2	101.6
12 YENTFS	14.9	15.5	13.5	13.0	14.0	14.5	14.6	14.9	18.0	16.1	14.6	14.0	13.9
13 YENTFS	29.9	30.5	30.9	31.6	32.2	32.8	33.3	34.1	23.5	25.2	27.6	29.5	31.9
14 YENTBS	148.7	153.2	157.0	162.7	167.7	173.1	178.7	184.9	100.5	115.1	130.3	146.6	165.1
15													
16 CPARTS	220.8	228.5	235.7	240.9	248.5	253.4	257.3	261.2	147.0	171.3	190.3	216.8	244.6
17 CPURTS	264.3	273.5	283.7	289.2	297.1	303.1	310.8	314.2	179.7	206.3	229.0	262.6	293.3
18 TRCCTS	104.5	108.2	112.4	114.5	117.7	120.0	123.1	124.5	73.1	81.3	90.3	103.9	116.1
19 CPUATS	159.8	165.3	171.3	174.6	179.4	183.1	187.7	189.8	106.6	125.0	138.7	158.7	177.1
20 YDIVIS	72.2	75.5	78.7	81.8	84.9	87.9	90.9	93.7	41.4	48.6	57.6	70.5	83.3
21 NETS	87.6	89.8	92.6	94.5	95.2	96.8	96.8	96.1	65.2	76.4	81.2	88.2	93.8
22 IVACS	-22.4	-23.5	-26.0	-25.9	-25.9	-26.7	-30.0	-29.1	-16.6	-17.3	-19.5	-25.0	-26.1
23 CCAACP	-21.1	-21.5	-21.9	-22.3	-22.7	-23.1	-23.5	-23.9	-16.1	-17.7	-19.3	-20.9	-22.5
24													
25													
26 CPNDFFOUTS	9.0	9.2	9.4	9.7	9.9	10.1	10.4	10.7	6.4	7.2	8.0	8.8	9.8
27 CPUBTRBS	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	10.2	10.7	11.5	12.3	13.1

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THE WHARTON QUARTERLY MODEL MARK Q,Q

SPECIAL QNR FORECAST OCTOBER 1977

TABLE 15.00 MONEY SUPPLY AND INTEREST RATES

LINE VAR LABEL	ITEM	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	FPI3		321.11	328.0	335.3	340.6	346.5	353.0	359.9	363.9	370.9	374.4	381.0	407.1
2	FMI3		0.001	0.92	9.14	6.57	7.04	7.71	8.05	8.55	7.89	8.08	8.92	7.31
3			768.41	787.5	804.8	820.3	836.2	852.3	869.1	882.3	898.5	915.9	948.4	965.5
4	FM25		9.591	10.34	9.09	7.90	8.01	7.93	8.13	8.21	7.54	7.97	7.85	6.77
5	FM25													
6			83.61	85.5	87.5	89.6	91.0	93.9	96.1	98.4	100.7	103.4	107.9	110.4
7	FCUS		242.41	246.5	252.2	255.5	259.7	263.5	268.2	270.0	275.2	280.3	286.1	294.7
8	FDDDS		237.51	242.5	247.7	251.0	254.7	259.0	263.7	265.5	270.2	275.4	281.6	291.7
9	FDRNPS		4.91	4.0	4.5	4.5	5.0	4.5	4.5	4.5	5.0	4.5	4.5	5.0
10	FDRNPS*		509.91	522.8	532.3	543.0	554.2	565.0	576.6	587.4	598.7	610.4	622.1	648.6
11	FDRNPS		447.31	459.5	469.6	479.6	489.8	499.4	509.3	518.5	527.7	537.1	546.4	559.4
12	FDRNPS		62.61	63.3	62.7	63.3	64.4	65.7	67.3	69.0	71.0	73.3	75.7	81.2
13	FDRNPS													
14														
15														
16	FRIFF		5.161	5.95	6.99	7.13	7.27	7.63	7.65	8.05	8.15	8.20	8.41	8.87
17	FRIFF		4.841	5.67	6.70	6.68	6.73	7.02	6.96	7.36	7.39	7.41	7.57	7.99
18	FRIFF		5.241	5.93	6.71	6.81	6.87	7.14	7.11	7.50	7.57	7.58	7.73	8.16
19	FRIFF		6.071	7.01	7.78	8.16	8.30	8.49	8.55	8.83	8.99	9.07	9.19	9.54
20	FRIFF		5.171	5.89	6.64	6.71	6.80	7.06	7.04	7.40	7.45	7.51	7.65	8.11
21	FRIFF		7.151	7.59	8.10	8.40	8.56	8.74	8.83	9.06	9.21	9.31	9.43	9.71
22	FRIFF		5.001	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
23	FRIFF		8.271	8.23	8.29	8.45	8.55	8.66	8.72	8.79	8.87	8.96	9.04	9.41
24	FRIFF		5.211	5.27	5.33	5.41	5.45	5.51	5.55	5.60	5.65	5.70	5.74	5.91
25	FRIFF		6.451	6.40	6.51	6.62	6.68	6.76	6.84	6.91	6.99	7.07	7.17	7.34
26	FRIFF		7.101	7.00	7.01	7.08	7.13	7.20	7.26	7.32	7.39	7.45	7.52	7.75
27	FRIFF		5.251	5.40	5.90	6.00	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25
28	FRIFF		180.31	193.4	199.1	205.8	211.8	217.6	223.5	229.3	235.5	242.4	248.7	256.8
29	FRIFF		34.41	35.8	36.1	36.6	37.1	37.6	38.2	38.7	39.4	40.1	40.8	41.5
30	FRIFF		-0.01	-0.2	-0.6	-0.7	-0.9	-1.0	-1.2	-1.1	-1.2	-1.3	-1.4	-1.6
31	FRIFF		30.31	27.5	24.8	25.1	23.7	22.0	19.7	18.6	16.8	16.0	14.9	13.7
32	FRIFF		193.91	200.7	206.9	213.2	219.1	224.6	229.6	234.2	238.8	242.8	246.1	249.6
33	FRIFF													
34	FRIFF													
35	FRIFF													

A PRODUCT OF WHARTON (F.A.), 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

BEST AVAILABLE COPY

THE MARTIN QUARTERLY MODEL MARK 4,6
SPECIAL UNR FORECAST, OCTOBER 1977

TABLE 15.00 MONEY SUPPLY AND INTEREST RATES

LINE	VAR LABEL	ITEM	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	FM13	MONEY SUPPLY - M1	810.9	820.6	828.4	837.9	847.9	858.8	866.9	876.0	824.7	850.0	875.1	906.9	943.1
2	FM13	% CHANGE MONEY SUPPLY -	9.03	9.02	7.59	9.17	9.47	10.11	7.24	8.52	6.73	7.80	7.19	8.46	8.94
3	FM25	MONEY SUPPLY - M2	982.9	1001.4	1017.4	1035.3	1054.0	1073.6	1089.8	1107.8	1107.9	884.5	907.5	974.6	1045.1
4	FM25	% CHG MONEY SUPPLY - M2	7.42	7.72	6.56	7.23	7.41	7.66	6.16	6.77	10.53	8.56	7.47	7.59	7.23
5	FCUS	CURRENCY IN CIRCULATION	113.0	115.6	116.2	120.9	123.7	126.5	129.4	132.3	84.6	92.9	101.9	111.7	122.3
6	FORDS	DEMAND DEPOSITS	302.4	309.6	314.7	322.0	328.7	336.8	342.1	349.3	284.5	261.7	277.9	294.4	315.6
7	FORDS	PRIVATE	297.9	305.1	310.2	317.0	324.2	332.3	337.6	344.3	280.1	257.1	273.3	295.2	320.9
8	FORDS	GOVERNMENT	4.5	4.5	4.5	5.0	4.5	4.5	4.5	5.0	4.4	4.6	4.6	4.6	4.6
9	FDRTS	TIME DEPOSITS	656.5	668.7	680.5	692.9	705.7	718.8	731.8	744.8	516.1	559.7	604.6	650.7	699.5
10	FDRTS	SAVINGS DEPOSITS	572.0	580.7	589.0	597.4	606.1	614.8	622.9	631.2	453.2	494.5	532.4	567.8	601.8
11	FDRTS	CERTIFICATES OF DEPOSIT	84.5	87.9	91.5	95.4	99.6	104.0	108.5	113.6	62.9	65.2	72.3	83.0	97.6
12	FMNBY	FEDERAL FUNDS RATE	9.11	9.28	9.53	9.63	9.68	9.89	10.27	10.30	5.69	7.42	8.20	9.08	9.68
13	FMNBY	3 MONTH TREASURY BILLS	8.05	8.12	8.37	8.36	8.35	8.44	8.78	8.71	5.46	6.05	7.43	8.05	8.58
14	FMNBY	PRIME COMM PAPER - 90-90	8.31	8.40	8.60	8.73	8.74	8.85	9.22	9.23	5.67	6.28	7.59	8.29	8.75
15	FMNBY	PRIME RATE FOR LARGE BU	9.91	10.01	10.25	10.39	10.47	10.56	10.88	11.03	6.88	8.37	9.02	9.81	10.42
16	FMNBY	90 DAY - 3 MO., SECURDA	8.17	8.25	8.50	8.52	8.55	8.66	8.98	8.97	5.63	6.90	7.58	8.15	8.56
17	FMNBY	SHORT TERM BUSINESS LVA	10.07	10.18	10.40	10.55	10.65	10.77	11.05	11.23	7.51	8.63	9.25	9.97	10.59
18	FMNBY	PASSBOOK SAVINGS RATE	5.00	5.90	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
19	FMNBY	AAA UTILITY BOND	9.57	9.73	9.90	10.10	10.23	10.35	10.49	10.64	8.24	8.60	8.92	9.49	10.14
20	FMNBY	STATE & LOCAL AAA BOND	6.18	6.33	6.48	6.64	6.77	6.90	7.03	7.17	5.24	5.68	5.68	6.12	6.70
21	FMNBY	MONEY'S TOTAL COMP BOND	9.71	9.89	10.08	10.28	10.44	10.59	10.74	10.89	8.46	8.73	9.03	9.62	10.35
22	FMNBY	U.S. GOVT LONG TERM BOND	7.86	7.98	8.10	8.23	8.38	8.45	8.57	8.68	7.03	7.17	7.42	7.80	8.28
23	FMNBY	REDISCOUNT RATE (FOMC)	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	5.45	6.19	6.25	6.25	6.25
24	FLITCS	STOCK OF COMMERCIAL BANK	271.6	279.3	287.5	295.7	304.1	313.2	322.8	331.9	190.9	214.6	239.0	268.1	300.1
25	FRENBA	UNIMMATURED RESERVES	83.0	83.8	84.7	85.5	86.4	87.3	88.1	88.9	55.3	37.4	34.7	42.6	46.0
26	FRENBA	FREE RESERVES	-1.6	-1.7	-1.6	-1.7	-1.8	-2.0	-2.0	-2.1	-0.2	-1.0	-1.3	-1.6	-1.8
27	FCCITCS	CHANGE IN INSTALLMENT C	12.8	12.8	12.5	12.1	12.9	13.8	14.1	14.7	27.3	22.6	16.6	12.9	12.7
28	FCCITCS	STOCK OF CONSUMER CREDIT	255.9	259.1	262.2	265.2	268.4	271.8	275.3	279.0	197.0	221.6	240.3	258.3	266.9

A PRODUCT OF MARTIN EFA., 8025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE MONTHLY QUARTERLY MODEL MARK 4.6
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 14.00 SECTOR DEFLATORS

LINE VAR LABEL	TITLE	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1 PRAG	A	142.91	130.1	131.0	130.2	132.0	133.6	136.2	128.4	131.4	130.7	130.8	130.6	145.7
2 PRMG	E	228.71	250.5	256.5	285.0	291.0	298.0	304.2	331.0	336.0	343.2	350.5	352.2	402.6
3 PRMF	I	138.91	140.5	142.2	144.1	146.0	147.9	149.6	151.0	152.0	153.0	154.6	161.7	160.8
4 PRMFN	M	139.01	140.0	142.6	144.9	147.2	149.5	151.7	154.2	156.0	159.0	162.0	165.2	160.4
5 PRMFN	M	134.61	140.1	141.6	143.0	144.2	145.3	146.3	148.0	149.7	151.5	153.3	156.2	158.9
6 PRMG	I	134.71	137.1	130.7	140.6	142.4	144.1	145.9	147.6	149.7	151.4	153.7	155.6	157.5
7 PRMT	M	135.41	137.1	138.5	140.7	142.9	144.9	146.9	148.9	150.9	152.9	154.8	156.8	158.8
8 PRMGCB	M	115.41	116.3	117.0	117.6	118.3	118.9	119.3	119.6	120.2	121.6	122.8	124.0	125.2
9 PRMGU9	M	163.01	167.5	171.0	174.5	177.4	180.4	183.9	187.7	191.4	195.0	197.7	200.8	203.1
10 PRGM	I	138.51	141.1	142.8	144.7	146.5	148.3	150.2	152.3	154.3	156.4	158.5	160.8	163.3
11 PRCC	M	139.41	144.4	146.0	151.4	153.4	155.6	157.9	160.7	163.4	166.1	169.0	172.3	175.9
12 PRFI	M	126.91	128.4	129.4	130.8	132.4	134.3	136.2	138.4	140.6	142.8	144.9	147.2	149.5
13 PRSV	M	142.51	145.7	148.5	150.5	152.5	154.3	156.1	157.9	159.9	163.9	165.8	167.5	168.5
14 PRXR	M	146.11	148.7	150.3	151.0	153.5	155.4	157.1	159.1	160.9	162.9	164.8	167.2	164.5
15 PRGV	I	141.11	142.8	147.2	149.0	150.4	151.8	153.9	157.3	158.8	160.3	164.6	166.1	167.5
16 PRMGV9	I	130.41	140.1	144.5	146.1	147.2	148.3	152.4	153.5	154.6	155.7	160.0	161.0	162.1
17 PRMGV9G	M	134.91	135.9	145.2	146.0	147.0	148.0	158.1	159.0	159.9	160.9	171.9	172.8	173.7
18 PRMGV9G	M	140.21	142.2	144.2	146.2	148.2	148.4	149.6	150.8	152.0	154.4	155.4	156.6	156.8
19 PRGVE	E	162.71	164.9	168.9	172.9	177.1	181.4	185.0	190.2	194.8	199.5	204.3	209.3	214.3
20 PRW	E	232.91	230.7	241.2	243.7	246.3	248.8	251.4	254.1	256.7	259.4	262.1	264.9	267.6

THE MONTHLY QUARTERLY MODEL MARK 4.6
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 14.00 SECTOR DEFLATORS

LINE VAR LABEL	TITLE	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 PRAG	A	145.7	149.6	149.7	152.1	153.3	157.1	157.0	159.41	136.7	133.0	134.3	144.9	153.1
2 PRMG	E	405.9	414.7	434.0	442.5	451.1	459.8	481.2	490.51	237.1	208.9	348.4	403.8	446.8
3 PRMF	I	167.8	170.7	173.6	176.6	179.6	182.7	185.8	188.91	139.5	146.9	155.2	166.2	178.1
4 PRMFN	M	171.6	175.0	178.3	181.5	184.9	188.2	191.6	195.01	139.9	148.3	158.1	170.1	183.2
5 PRMFN	M	161.4	163.7	166.1	168.5	171.0	173.4	176.0	179.51	130.8	144.7	150.6	160.0	169.7
6 PRMG	I	154.5	161.6	163.0	166.1	168.4	170.9	173.4	176.1	135.9	143.3	150.7	158.6	167.3
7 PRMT	M	160.9	163.2	165.6	168.1	170.6	173.2	175.9	178.51	136.2	143.9	151.9	159.9	169.4
8 PRMGCB	M	126.5	127.8	129.2	130.7	132.2	133.8	135.3	136.91	115.9	118.5	121.1	125.8	131.5
9 PRMGU9	M	205.9	208.8	211.7	214.7	217.8	221.2	225.0	229.21	165.1	170.1	192.9	204.7	214.4
10 PRGM	I	165.4	167.9	170.4	173.0	175.6	178.3	181.2	184.1	139.6	147.4	155.4	164.4	174.4
11 PRCC	M	179.2	182.3	186.2	189.5	193.0	196.5	200.0	204.61	142.0	154.6	164.8	177.4	191.3
12 PRFI	M	151.6	153.9	156.3	158.6	161.3	163.9	166.6	169.3	142.5	153.4	161.7	170.5	180.1
13 PRSV	M	171.0	173.5	176.3	179.5	182.0	186.1	189.3	192.71	128.3	133.3	160.9	169.7	181.2
14 PRXR	M	171.6	173.5	175.5	177.5	179.7	181.9	184.2	186.41	147.0	158.4	161.9	170.5	178.6
15 PRGV	I	169.0	173.6	175.0	176.5	178.0	182.8	188.3	185.81	142.6	151.8	160.2	169.0	178.1
16 PRMGV9	I	163.2	167.7	168.8	169.9	170.9	175.6	176.7	177.71	140.0	148.5	155.9	163.5	171.3
17 PRMGV9G	M	174.6	186.4	187.3	188.2	189.2	201.4	202.7	203.61	137.6	149.8	162.9	176.9	191.6
18 PRMGV9G	M	158.0	159.2	160.4	161.6	162.8	164.0	165.2	166.41	141.2	147.8	152.6	157.4	162.2
19 PRGVE	E	219.5	224.8	230.2	235.7	241.4	247.3	253.2	259.1	163.8	179.3	197.2	217.0	230.7
20 PRW	E	270.4	273.3	276.1	279.0	281.9	284.9	287.9	290.91	235.3	247.6	258.1	269.1	280.5

SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 14.10 PERCENT CHANGE IN SECTOR DEFATORS

LINE VAR LABEL	I T E M	1977,2	1977,3	1977,4	1978,1	1978,2	1978,3	1978,4	1979,1	1979,2	1979,3	1979,4	1980,1	1980,2
1 PXAG	A AGRICULTURE	-0.04	-31.19	2.54	-2.29	5.60	4.95	7.97	-20.89	9.51	24.27	0.17	-0.58	22.01
2 PXMG	M MINING	33.77	43.83	4.93	54.13	8.67	0.77	8.58	40.14	7.19	7.62	8.78	56.77	11.08
3 PXMF	F MANUFACTURING	7.76	4.90	4.85	5.52	5.35	5.17	4.70	6.03	5.97	6.31	6.10	7.99	7.75
4 PXFD	D MANUFACTURING DURABLE	5.57	5.23	5.11	6.50	6.73	6.46	5.06	6.79	6.78	6.69	6.71	8.11	8.13
5 PXFM	M MANUFACTURING NONDUR	11.13	4.34	4.44	4.00	3.17	3.11	2.81	4.00	4.63	4.81	5.06	7.71	7.02
6 PXRG	R REGULATED	4.69	7.08	4.05	5.69	5.14	4.98	5.11	5.19	5.12	5.91	4.95	5.21	4.80
7 PXRT	T TRANSPORTATION	5.33	5.00	4.31	4.58	6.13	5.93	5.60	5.53	5.50	5.46	5.00	5.25	5.19
8 PXRCGR	R COMMUNICATIONS	2.55	3.00	2.36	2.21	2.26	1.99	1.59	1.53	1.88	4.05	3.41	3.95	4.02
9 PXRGU49	U UTILITIES	10.91	11.40	8.77	8.40	6.85	6.75	8.13	8.49	8.07	7.69	5.46	6.24	4.70
10 PXCM	M COMMERCIAL	6.91	7.61	4.95	5.32	5.06	5.17	5.17	5.56	5.51	5.47	5.26	5.95	6.41
11 PXCC	C CONTRACT CONSTRUCTION	5.37	15.28	6.65	13.38	5.22	6.02	5.08	7.44	6.68	6.02	7.25	8.12	8.45
12 PXFI	F FINANCIAL, INS, REAL EST	4.75	4.78	3.20	4.81	5.21	5.59	6.06	6.36	6.60	6.32	6.15	6.44	6.19
13 PXSV	V SERVICES	6.47	9.27	7.82	5.34	5.61	4.62	4.83	4.83	5.00	4.00	5.15	4.72	6.15
14 PXRM	M WHOLESALE & RETAIL TRA	9.57	7.57	4.15	4.07	4.57	5.09	4.58	5.01	4.77	4.98	4.05	5.96	5.60
15 PXGV	V GOVERNMENT	5.45	5.07	12.73	4.93	3.88	3.86	11.26	3.73	3.73	3.72	11.28	3.59	3.58
16 PXRCGVG	G GENERAL GOVERNMENT	4.46	5.15	13.16	4.25	3.07	3.05	11.51	2.90	2.69	2.67	11.55	2.72	2.71
17 PXRCGVFG	M FEDERAL	0.89	2.97	30.25	2.57	2.56	2.54	30.38	2.35	2.33	2.32	30.28	2.14	2.13
18 PXRCGVSG	M STATE AND LOCAL	6.53	5.95	5.74	5.08	3.32	3.29	3.27	3.24	3.21	3.19	3.16	3.14	3.11
19 PXGVE	E GOVERNMENT ENTERPRISES	10.77	5.52	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
20 PXRM	R REST OF WORLD	7.01	10.32	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25

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TABLE 14.10 PERCENT CHANGE IN SECTOR DEFATORS

LINE VAR LABEL	I T E M	1980,3	1980,4	1981,1	1981,2	1981,3	1981,4	1982,1	1982,2	1977	1978	1979	1980	1981
1 PXAG	A AGRICULTURE	0.17	11.84	-0.28	6.47	3.11	10.39	-0.38	6.39	-4.56	-2.73	1.00	7.90	5.60
2 PXMG	M MINING	3.32	0.96	19.96	8.07	0.00	7.94	19.96	7.98	10.20	24.39	15.00	18.65	10.65
3 PXMF	F MANUFACTURING	7.53	7.11	7.00	7.03	7.01	6.92	6.97	6.85	5.28	5.33	5.64	7.12	7.15
4 PXFD	D MANUFACTURING DURABLE	8.14	7.78	7.57	7.55	7.57	7.44	7.40	7.37	5.21	6.02	6.58	7.61	7.70
5 PXFM	M MANUFACTURING NONDUR	6.39	5.85	6.07	5.98	5.90	5.88	6.05	5.79	5.36	4.21	4.11	6.25	6.07
6 PXRG	R REGULATED	5.24	5.87	5.55	5.62	5.75	5.95	6.15	6.34	6.43	5.41	5.21	5.19	5.51
7 PXRT	T TRANSPORTATION	5.89	5.88	5.99	6.02	6.18	6.26	6.22	6.18	6.18	5.95	5.58	5.30	5.91
8 PXRCGR	R COMMUNICATIONS	4.15	4.30	4.53	4.60	4.73	4.78	4.84	4.81	1.05	2.30	2.17	3.92	4.46
9 PXRGU49	U UTILITIES	5.72	5.77	5.65	5.75	5.91	6.38	7.03	7.68	13.16	8.45	7.76	6.07	5.72
10 PXCM	M COMMERCIAL	5.91	5.62	5.98	6.22	6.28	6.32	6.59	6.51	5.61	6.85	5.39	5.82	7.82
11 PXCC	C CONTRACT CONSTRUCTION	7.79	7.14	8.02	7.36	7.44	7.45	9.12	7.81	5.86	8.04	6.60	7.67	6.82
12 PXFI	F FINANCIAL, INS, REAL EST	5.83	6.12	6.38	6.61	6.33	6.67	6.84	6.81	3.02	4.65	6.17	6.27	6.32
13 PXSV	V SERVICES	6.64	6.07	6.50	7.40	7.73	7.29	7.17	7.51	6.09	6.27	4.91	5.46	6.79
14 PXRM	M WHOLESALE & RETAIL TRA	5.04	4.52	4.57	4.75	4.88	4.99	5.26	5.31	6.75	5.10	4.85	5.28	4.78
15 PXGV	V GOVERNMENT	3.58	11.24	3.45	3.45	3.44	11.16	3.33	3.33	7.29	6.48	5.59	5.36	5.36
16 PXRCGVG	G GENERAL GOVERNMENT	2.70	11.54	2.56	2.55	2.53	11.49	2.41	2.40	6.50	6.05	5.01	4.88	4.75
17 PXRCGVFG	M FEDERAL	2.12	30.01	1.96	1.95	1.94	29.61	1.80	1.79	6.84	6.83	4.76	4.56	4.35
18 PXRCGVSG	M STATE AND LOCAL	3.09	3.06	3.04	3.02	2.99	2.97	2.95	2.93	6.32	4.72	3.24	3.14	3.04
19 PXGVE	E GOVERNMENT ENTERPRISES	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	13.35	9.89	10.00	10.00	10.00
20 PXRM	R REST OF WORLD	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.88	5.19	4.25	4.25	4.25

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THE MONTHLY QUARTERLY MODEL MARK 9,6
SPECIAL ONR FORECAST, OCTOBER 1977

LINE VAR LABEL	ITEM	TABLE 15.10 PERCENT CHANGE IN FINAL DEMAND AND WHOLESALE PRICES												
		1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	PC	8.87	6.71	5.25	5.83	5.72	5.65	5.98	6.21	6.70	5.84	7.71	7.07	
2	PCCF	12.32	7.78	0.15	6.19	6.62	6.94	3.15	3.94	4.98	11.22	3.81	6.49	
3	PCS	6.07	9.26	8.06	6.37	5.74	5.87	5.83	5.94	5.78	6.14	5.60	6.72	
4	PCSH	5.67	6.38	7.16	6.21	6.06	5.49	5.73	5.82	5.83	5.52	5.69	5.42	
5														
6														
7	PM	10.19	0.49	3.17	6.76	7.32	5.94	5.56	7.00	10.28	5.17	8.94	8.26	
8	PMCA	14.67	-18.05	-8.21	11.94	4.16	-0.52	-1.52	7.75	15.83	-5.08	11.44	12.80	
9	PMP	10.79	3.78	5.01	9.69	9.03	7.57	7.59	7.62	10.29	7.50	6.92	7.73	
10	PMPP	8.18	4.75	5.34	8.28	7.17	7.66	7.31	6.75	9.73	6.50	8.76	7.99	
11	PMPPA	4.62	5.09	6.77	7.11	5.43	6.89	8.28	5.74	7.51	7.48	8.90	7.63	
12	PMPPCA	9.56	3.57	4.24	7.91	6.94	7.24	6.48	5.74	9.88	5.75	8.34	7.14	
13	PMPPFA	9.76	3.19	3.11	6.38	5.52	4.09	3.57	4.33	6.29	4.00	7.27	7.44	
14	PMPPFAA	4.96	4.60	4.84	7.30	7.40	7.31	6.82	7.25	8.02	7.23	7.95	7.44	
15	PMPPFMA	13.20	2.00	1.09	7.60	9.08	8.25	5.73	5.12	6.78	6.27	8.16	8.56	
16	PMPPFMAA	5.63	6.40	4.71	6.01	5.26	5.13	5.63	6.05	5.31	6.88	6.43	6.43	
17	PMPPFMAAA	0.62	3.99	1.69	3.78	3.35	2.88	4.08	3.51	3.17	3.14	5.04	4.24	
18	PMPPFMAAAA	-0.59	5.49	1.76	4.69	4.58	3.41	3.02	5.35	4.02	4.96	6.54	6.12	
19	PMPPFMAAAAA	3.17	4.10	2.29	5.12	5.18	3.42	2.96	5.76	3.94	3.90	7.14	6.97	
20	PMPPFMAAAAAA	-5.13	4.26	1.94	3.90	3.27	2.74	4.42	3.59	3.74	3.81	5.59	4.64	
21	PMPPFMAAAAAAA	3.25	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
22	PMPPFMAAAAAAAA	3.18	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
23	PMPPFMAAAAAAAA	2.62	3.16	1.41	2.85	2.19	1.67	2.79	2.15	2.28	2.05	3.60	2.47	
24	PMPPFMAAAAAAAA	0.94	4.25	1.85	3.41	3.03	2.67	4.27	3.81	4.09	4.24	5.71	5.14	
25	PMPPFMAAAAAAAA	6.66	3.64	3.69	5.00	4.23	4.38	4.22	3.38	4.92	4.34	6.96	6.78	
26	PMPPFMAAAAAAAA	2.67	3.19	1.81	2.63	2.15	2.27	1.95	2.85	3.35	3.08	4.68	4.29	
27	PMPPFMAAAAAAAA	9.99	1.56	4.91	5.02	5.67	5.73	5.77	2.04	6.54	5.22	6.66	9.09	
28	PMPPFMAAAAAAAA	6.23	12.28	4.13	11.36	8.60	4.84	4.46	9.73	4.43	4.55	5.02	5.66	
29	PMPPFMAAAAAAAA	3.68	5.25	2.62	4.73	2.90	2.56	4.59	3.08	3.39	3.16	6.88	4.00	
30	PMPPFMAAAAAAAA	6.94	9.42	6.74	7.70	6.82	6.56	6.67	7.43	6.86	6.80	6.77	7.31	
31	PMPPFMAAAAAAAA	6.42	7.45	5.31	6.74	6.98	6.98	7.10	7.41	7.53	7.88	7.05	7.20	
32	PMPPFMAAAAAAAA	1.47	10.51	6.51	8.47	5.17	4.94	5.60	7.78	5.24	5.57	5.39	6.03	
33	PMPPFMAAAAAAAA	0.21	11.58	8.77	10.46	8.40	8.59	9.66	8.15	8.03	8.43	9.60	7.88	
34	PMPPFMAAAAAAAA	8.95	9.83	7.58	7.74	7.19	6.53	6.45	7.01	6.69	6.54	6.73	6.87	
35	PMPPFMAAAAAAAA	5.44	7.07	5.21	7.88	5.63	5.62	5.40	6.95	6.01	6.60	5.90	9.41	
36	PMPPFMAAAAAAAA	5.56	7.08	5.46	9.12	5.87	5.57	7.49	6.22	6.98	6.01	10.69	7.78	
37	PMPPFMAAAAAAAA	8.16	8.05	5.13	6.27	5.41	5.50	5.31	5.99	5.86	5.70	6.62	6.23	
38	PMPPFMAAAAAAAA	10.54	12.29	9.03	12.98	9.84	9.25	8.16	10.01	7.87	7.84	7.56	8.06	
39	PMPPFMAAAAAAAA	10.50	12.29	9.03	12.98	9.84	9.25	8.16	10.01	7.87	7.84	7.56	8.06	
40														
41	PMPPFMAAAAAAAA	11.62	7.34	6.09	8.85	6.48	6.32	6.90	6.63	7.49	6.18	10.13	8.12	
42	PMPPFMAAAAAAAA	7.14	7.01	7.01	7.50	6.70	7.00	7.50	8.00	6.00	7.50	7.50	7.00	
43														
44	PMPPFMAAAAAAAA	6.62	6.53	9.93	6.21	4.68	4.70	8.92	4.78	4.88	5.27	8.86	6.30	
45	PMPPFMAAAAAAAA	4.04	5.35	15.71	4.59	3.81	4.00	15.51	3.50	4.14	4.73	15.31	5.60	
46	PMPPFMAAAAAAAA	6.36	5.23	5.34	6.11	4.63	4.95	5.04	4.54	5.53	6.54	4.89	6.78	
47	PMPPFMAAAAAAAA	0.00	7.25	6.50	7.20	5.20	5.12	5.12	5.51	5.32	5.59	5.14	5.90	
48	PMPPFMAAAAAAAA	9.80	8.56	7.49	9.78	7.38	7.17	7.16	8.02	7.49	8.10	7.08	10.82	
49														
50	PMPPFMAAAAAAAA	10.18	-8.56	1.09	2.17	10.16	1.25	1.97	5.91	5.55	1.84	1.71	3.81	
51	PMPPFMAAAAAAAA	6.74	-25.55	-4.03	1.20	5.99	3.66	0.09	-10.47	5.63	17.03	-5.13	3.58	
52	PMPPFMAAAAAAAA	-2.62	10.95	5.70	8.27	6.80	5.99	5.18	4.52	4.31	4.14	4.22	3.79	

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THE W H A R T U N Q U A R T E R L Y M O D E L M A R K 4.6
SPECIAL QNR FORECAST, OCTOBER 1977

TABLE 15.10 PERCENT CHANGE IN FINAL DEMAND AND WHOLESALE PRICES
1980.3 1980.4 1981.1 1981.2 1981.3 1981.4 1982.1 1982.2

LINE VAR LABEL	I T M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1 PCA	H CONSUMER PRICE INDEX, A	5.94	6.28	6.53	6.63	6.51	6.76	7.12	6.90	6.63	6.22	6.00	6.71	6.47
2 PCCF	H FINISH	6.73	3.00	6.25	5.74	7.50	3.16	6.51	6.04	6.46	5.82	5.91	6.86	5.92
3 PCCF	H SERVICES	7.07	6.61	6.26	7.67	7.45	7.57	7.45	7.50	7.90	7.06	5.91	6.21	7.19
4 PCSR	H RENT	5.84	5.87	5.71	5.97	6.03	6.20	6.27	6.55	6.10	6.22	5.78	5.67	5.86
5														
6 PWA	WHOLESALE PRICE INDEX													
7 PWA	H ALL COMMODITIES	6.45	6.17	7.70	5.74	6.23	5.75	7.86	5.81	6.00	6.20	6.82	7.65	6.61
8 PMPA	H CRUDE MATERIAL	1.06	1.71	9.02	4.24	2.31	0.60	0.95	4.91	4.40	2.41	3.53	7.21	4.57
9 PMPA	H INTERMEDIATE MATERIAL	7.69	7.23	8.06	6.25	7.37	6.94	7.89	5.89	6.69	7.83	8.18	9.25	7.34
10 PMPF	H FINISHED OUTPUT	7.49	7.20	7.70	6.05	6.95	6.62	7.25	5.91	6.10	6.93	7.47	7.95	7.12
11 PMPF	H PRODUCERS FINISHED	8.34	7.99	7.96	6.77	7.67	7.47	7.82	6.41	6.10	6.38	7.61	8.03	7.71
12 PMPF	H CONSUMERS FINISHED	6.90	6.64	7.32	5.52	6.48	6.13	6.97	5.21	5.90	6.42	6.82	7.51	6.64
13 PMPF	H TOTAL MANUFACTURING	5.68	5.57	6.41	5.83	5.62	5.38	6.36	5.75	6.06	4.94	6.60	6.07	5.93
14 PMPF	H MFG DURABLES	7.65	7.27	7.42	6.59	7.04	6.92	7.15	6.21	6.37	6.35	7.23	7.59	7.18
15 PMPF	H MFG NON-DUR.	6.85	5.44	7.21	6.29	5.88	5.27	7.25	6.03	5.65	6.57	6.95	7.72	6.45
16 PDCE	H PERSONAL CONSUMPTION EX	5.00	5.74	5.95	6.11	6.02	6.22	6.51	6.35	5.75	5.88	5.40	6.08	5.94
17 PDCE	H DURABLES	3.84	3.61	4.20	4.29	4.03	3.99	4.73	4.49	4.49	2.93	3.29	3.97	4.03
18 PDCE	H AUTOS AND PARTS	5.27	4.76	6.03	6.33	5.50	5.01	6.46	6.51	6.20	3.64	4.30	5.30	5.63
19 PDCE	H MFG AUTOS-FORM + DU	5.36	4.58	6.73	7.34	6.54	4.81	7.28	7.59	4.58	4.00	4.52	5.62	6.03
20 PDCE	H USED CARSPARTS	4.79	4.42	4.83	4.79	5.00	4.90	5.44	5.20	10.58	2.72	3.61	4.55	4.76
21 PDCE	H RECREATIONAL VEHICLE	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.73	4.77	5.00	5.00	5.00
22 PDCE	H TRUCKS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.73	4.76	5.00	5.00	5.00
23 PDCE	H FURNITURE & HOUSEHOLD	2.26	2.04	2.19	2.14	2.51	2.27	2.62	2.37	2.81	2.32	2.23	2.58	2.20
24 PDCE	H OTHER DURABLES	5.24	4.90	5.30	5.46	5.72	5.74	6.23	6.44	3.11	2.98	3.69	4.90	5.32
25 PDCE	H NONDURABLES	4.63	5.40	5.21	5.36	5.25	5.73	5.80	5.70	4.74	4.41	4.43	5.83	5.34
26 PDCE	H CLOTHING & SHOES	3.81	3.54	3.77	4.01	4.14	4.28	4.58	4.50	3.77	2.59	2.65	3.85	3.90
27 PDCE	H FOOD & BEVERAGES	5.63	7.09	5.61	6.68	6.27	7.34	6.16	6.91	4.18	5.09	5.30	7.00	6.49
28 PDCE	H GASOLINE & OIL	3.80	4.90	6.51	5.12	5.22	5.02	8.92	5.35	6.87	7.21	5.85	7.20	5.79
29 PDCE	H OTHER NONDURABLES	3.23	3.35	4.15	3.60	3.69	3.73	4.74	3.92	5.98	3.60	3.36	4.18	3.69
30 PDCE	H SERVICES	6.70	6.65	7.02	7.18	7.23	7.27	7.56	7.38	7.17	7.30	6.91	6.89	6.97
31 PDCE	H HOUSING	6.70	6.77	7.02	7.26	7.09	7.27	7.47	7.37	6.97	6.60	7.27	7.17	7.02
32 PDCE	H HOUSEHOLD OPERATION	4.79	5.35	6.88	5.81	5.66	6.05	7.09	6.31	6.64	6.66	5.95	5.83	5.51
33 PDCE	H TRANSPORTATION	7.17	8.10	4.21	7.85	7.90	8.26	8.40	7.61	10.08	9.43	8.68	8.46	8.20
34 PDCE	H OTHER SERVICES	7.17	6.71	7.11	7.58	7.77	7.48	7.65	7.59	7.52	7.69	6.72	6.76	7.23
35 PDINF	H NONRESIDENTIAL FINED I	6.06	6.46	7.04	6.58	6.56	6.73	7.49	6.72	5.92	6.26	6.13	7.18	6.66
36 PDINF	H DURABLE EQUIPMENT	6.14	6.81	7.49	6.77	6.71	6.92	7.06	6.85	4.48	6.61	6.44	7.70	6.94
37 PDINF	H STRUCTURES	5.86	5.66	6.00	6.11	6.21	6.27	6.65	6.43	6.87	6.07	5.67	6.07	6.00
38 PDINF	H RESIDENTIAL STRUCTURES	7.82	7.21	7.97	7.21	7.32	8.51	7.32	8.51	7.32	10.62	8.72	8.43	7.50
39 PDINF	H NONFARM	7.42	7.21	7.96	7.21	7.32	7.32	7.32	7.32	12.39	10.62	8.72	8.43	7.50
40														
41 PTEH	H EXPORTS	6.11	7.16	7.34	6.74	6.53	6.95	7.37	6.61	7.00	7.38	6.67	7.76	6.96
42 PTEH	L IMPORTS	7.00	7.00	6.50	6.50	6.00	6.00	6.00	6.00	9.41	7.31	7.50	7.40	6.59
43														
44 PDGVP	I GOVT PURCH OF GOODS & S	4.54	9.25	4.97	4.81	4.78	9.21	5.11	4.87	6.86	6.64	5.86	6.36	5.94
45 PDGVP	I FEDERAL	3.61	15.94	4.07	4.02	4.06	15.80	4.31	4.61	6.80	7.09	6.76	7.36	6.88
46 PDGVP	H EXCLUDING COMPENSATIO	4.71	6.22	5.79	5.66	5.69	6.36	6.37	6.51	6.36	5.18	5.15	6.42	5.80
47 PDGVP	I STATE & LOCAL	5.10	5.40	5.53	5.31	5.23	5.40	5.62	5.31	7.00	6.36	5.32	5.76	5.39
48 PDGVP	H EXCLUDING COMPENSATIO	6.88	7.68	7.45	7.37	7.16	7.53	8.02	7.29	7.87	8.24	7.57	8.49	7.57
49														
50 PFCF	F END OF PRICES PAID BY F	1.87	1.86	1.85	2.46	0.0	1.83	1.82	2.21	4.07	2.93	3.98	2.42	1.70
51 PFCF	F PRICES RECEIVED BY FARM	0.86	2.58	2.56	1.68	1.68	1.68	2.51	1.68	-2.24	0.75	4.48	2.51	
52 PFCF	B AVG PRICE OF NEW CARS	4.59	4.02	3.94	4.06	4.29	4.48	4.48	4.61	7.22	4.67	4.86	4.15	4.14

A PRODUCT OF PHILADELPHIA, PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE MARK TON QUARTERLY MODEL MARK 4,6
SPECIAL QNR FORECAST: OCTOBER 1977

LINE	VAR LABEL	TIME	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	AVERAGE WEEKLY HOURS														
2	MHPV	I	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.4	36.4	36.4	36.4	36.4	36.4
3	MHPV	I	44.6	43.6	43.7	43.6	43.4	43.4	43.2	43.1	42.9	42.9	42.8	42.7	42.6
4	MHPFD	I	41.1	41.2	41.1	41.1	41.0	40.9	40.9	40.9	40.8	40.8	40.8	40.8	40.8
5	MHPVFN	I	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
6	MHPVNS	I	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
7	MHPVPC	I	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
8	MHPVPI	I	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
9	MHPVSV	I	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
10	MHPVTR	I	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
11	MHPVTR	E	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
12															
13															
14	WRCGS	I	1169.7	1200.9	1232.5	1261.4	1288.6	1320.6	1349.2	1378.1	1408.4	1444.4	1476.7	1509.4	
15	WRCGS	I	11.1	10.9	10.7	10.7	11.0	11.1	11.1	11.1	11.4	11.5	11.7	11.8	
16	WRCGS	I	17.6	18.6	19.6	20.5	21.2	21.7	22.3	22.8	23.3	23.8	24.2	24.7	
17	WRCMFS	I	207.5	213.5	220.7	227.9	234.1	239.8	246.0	252.7	259.4	265.9	273.0	280.8	
18	WRCMFS	I	118.1	120.4	123.3	127.2	129.6	132.4	134.4	137.1	140.1	143.2	145.5		
19	WRCGS	I	92.2	94.7	98.2	101.4	104.3	107.1	110.1	113.0	116.1	119.0	122.3	125.4	
20															
21	WRCMFS	I	64.7	66.8	69.8	71.3	72.3	73.5	74.9	76.3	77.8	79.6	81.4	83.4	
22	WRCMFS	I	62.5	63.9	65.7	67.6	69.4	71.4	73.4	75.6	78.0	80.4	83.0	85.6	
23	WRCMFS	I	169.6	174.7	179.5	184.7	189.6	194.8	200.0	205.4	210.8	216.6	222.1	228.2	
24	WRCMFS	I	194.9	198.1	202.6	206.5	210.4	214.4	218.7	223.1	227.8	232.4	237.6	242.4	
25	WRCMFS	I	231.5	234.3	242.5	245.8	249.0	257.2	260.3	263.4	266.5	275.1	278.3	281.6	
26	WRCMFS	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27															
28															
29	WRCMFS	I	7.94	8.08	8.27	8.43	8.58	8.72	8.89	9.05	9.22	9.39	9.58	9.78	
30	WRCMFS	I	9.18	9.37	9.59	9.80	9.97	10.13	10.31	10.51	10.72	10.90	11.12	11.36	
31	WRCMFS	I	7.68	8.02	8.21	8.36	8.51	8.65	8.81	8.97	9.15	9.31	9.51	9.70	
32	WRCMFS	I	8.44	8.59	8.79	8.98	9.15	9.30	9.47	9.67	9.86	10.04	10.24	10.47	
33	WRCMFS	I	7.06	7.18	7.33	7.42	7.54	7.66	7.81	7.90	8.04	8.19	8.36	8.48	
34	WRCMFS	I	9.59	9.76	9.99	10.21	10.42	10.63	10.85	11.09	11.34	11.58	11.86	12.14	
35	WRCMFS	I	8.57	8.80	9.16	9.35	9.50	9.66	9.85	10.02	10.22	10.43	10.66	10.90	
36	WRCMFS	I	7.26	7.34	7.47	7.60	7.72	7.85	7.99	8.13	8.29	8.44	8.61	8.78	
37	WRCMFS	I	6.39	6.52	6.63	6.75	6.86	6.98	7.09	7.21	7.33	7.46	7.58	7.72	
38	WRCMFS	I	6.15	6.23	6.35	6.45	6.56	6.66	6.77	6.88	7.01	7.12	7.26	7.39	
39															
40															
41	WRCMFS	I	200.1	207.2	209.7	212.3	214.8	222.3	224.7	227.1	229.5	237.4	239.9	242.5	
42	WRCMFS	I	175.3	180.8	183.3	185.9	188.4	194.2	196.6	199.0	201.4	207.4	209.9	212.5	
43	WRCMFS	I	24.9	26.4	26.4	26.4	26.4	26.4	26.1	26.1	26.1	26.1	26.1	26.1	
44	WRCMFS	I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
45	WRCMFS	I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
46															
47	WRCMFS	I	13.09	14.60	14.70	14.80	14.90	16.00	16.10	16.20	16.30	17.50	17.60	17.70	
48	WRCMFS	I	11.20	11.50	11.40	11.50	11.60	11.70	11.80	11.90	12.00	12.10	12.20	12.30	
49	WRCMFS	I	3.46	3.47	3.47	3.53	3.61	3.71	3.75	3.83	3.91	3.99	4.08	4.16	

T H F W H A R T O M Q U A R T E R L Y M O D E L M A R K 4.6
SPECIAL UNH FORECAST: OCTOBER 1977

LINE VAR LABEL	I T E M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
TABLE 16.00 EMPLOYMENT, HOURS AND WAGES														
1	NLT	105.91	106.33	106.77	107.22	107.65	108.05	108.45	108.81	99.46	101.45	103.41	105.67	107.42
2	NLC	103.82	104.24	104.68	105.13	105.56	105.96	106.37	106.71	97.53	99.73	101.71	103.54	105.33
3	NLTNA25.34*	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	15.4	15.6	16.2	16.6	17.0
4	NLM	2.08	2.08	2.09	2.09	2.09	2.09	2.09	2.09	2.13	2.11	2.10	2.09	2.09
5	NRUT	6.35	6.22	6.11	6.04	5.94	5.83	5.75	5.72	7.11	7.01	6.68	6.37	5.98
6	NRUTNA25.54	3.93	3.83	3.76	3.70	3.63	3.56	3.51	3.50	4.43	4.43	4.17	3.95	3.66
7	RCVNRUT	6.22	6.13	6.06	6.02	5.94	5.87	5.82	5.81	7.14	6.97	6.42	6.23	5.97
9	NPTM	220.9	221.3	221.7	222.1	222.5	222.9	223.3	223.7	216.7	218.0	219.3	220.7	222.3
10	NPT05.15	37.7	37.5	37.3	37.1	36.9	36.8	36.6	36.7	40.7	39.6	38.6	37.8	37.1
11	NPT16.19	16.7	16.6	16.5	16.4	16.3	16.1	16.0	15.9	17.0	16.9	16.8	16.7	16.5
12	NPT16.19	165.6	166.1	166.6	167.1	167.6	168.0	168.5	168.9	158.5	160.0	163.1	165.3	167.3
13	NPTN16*	97.25	97.76	98.28	98.78	99.29	99.78	100.24	100.68	90.41	92.75	94.91	96.98	99.03
14	NPTN16*	2.81	2.78	2.76	2.73	2.71	2.68	2.66	2.64	3.20	3.04	2.93	2.82	2.72
15	NPTN16*	94.43	94.98	95.52	96.05	96.59	97.10	97.59	98.05	87.21	89.71	91.99	94.16	96.32
16	NPTN16*	88.88	89.40	89.91	90.41	90.92	91.40	91.86	92.29	82.07	84.41	86.57	88.63	90.66
17	NPTN16*	0.98	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.84	0.83	0.81	0.78	0.76
18	NPTN16*	12.74	12.80	12.94	13.08	13.14	13.23	13.32	13.40	11.47	11.91	12.34	12.69	13.09
19	NPTN16*	8.28	8.29	8.30	8.30	8.31	8.31	8.32	8.31	8.07	8.13	8.20	8.27	8.31
20	NPTN16*	4.05	4.06	4.06	4.06	4.06	4.06	4.05	4.04	4.59	4.71	4.79	4.84	4.86
21	NPTN16*	4.17	4.19	4.22	4.24	4.26	4.29	4.31	4.34	3.83	3.97	4.06	4.16	4.25
22	NPTN16*	5.14	5.21	5.27	5.34	5.40	5.47	5.54	5.61	4.50	4.68	4.88	5.11	5.37
23	NPTN16*	16.95	17.10	17.24	17.38	17.52	17.67	17.80	17.94	15.31	15.81	16.33	16.88	17.45
24	NPTN16*	19.39	19.47	19.54	19.61	19.67	19.74	19.79	19.84	16.26	16.63	17.00	17.35	17.68
25	NPTN16*	16.30	16.48	16.66	16.83	16.98	17.13	17.28	17.43	15.19	15.62	16.04	16.34	16.73
26	NPTN16*	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72
27	NPTN16*	13.66	13.76	13.86	13.96	14.06	14.16	14.26	14.36	12.47	12.90	13.26	13.62	14.01
28	NPTN16*	6.40	6.43	6.46	6.49	6.52	6.55	6.58	6.61	6.01	6.14	6.26	6.38	6.50
29	NPTN16*	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
30	NPTN16*	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	-1.37	-1.35	-1.35	-1.35	-1.35
31	NPTN16*	137.0	137.7	138.5	139.1	139.8	140.5	141.1	141.6	126.7	130.5	133.7	136.6	139.5
32	NPTN16*	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	1.9	2.1	2.2	2.2	2.1
33	NPTN16*	27.0	27.3	27.5	27.7	27.9	28.1	28.3	28.5	24.4	25.4	26.2	26.9	27.8
34	NPTN16*	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.6	16.9	17.0	17.2	17.2
35	NPTN16*	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	9.6	10.0	10.2	10.3	10.4
36	NPTN16*	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.6	7.4	7.6	7.6	7.7	7.7
37	NPTN16*	9.9	10.0	10.1	10.3	10.4	10.5	10.7	10.8	8.6	8.9	9.4	9.8	10.3
38	NPTN16*	29.9	30.1	30.4	30.6	30.9	31.1	31.4	31.6	26.5	27.5	28.6	29.7	30.8
39	NPTN16*	32.9	33.0	33.0	33.0	33.2	33.2	33.3	33.3	31.6	32.0	32.5	32.8	33.1
40	NPTN16*	34.1	34.3	34.5	34.7	34.9	35.1	35.3	35.5	31.6	32.5	33.2	34.0	34.8

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THE W H A R T O N G A R T I P L Y H O U R L Y M A R K 4.6
SPECIAL ONK FORECAST OCTOBER 1977

LINE	VAP LABEL	TABLE 16.00 EMPLOYMENT, HOURS AND WAGES												
		1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	AVAILAB WEEKLY HOURS													
2	TOTAL PVT. MFG PAYROL	56.3	56.3	56.3	56.3	56.3	56.3	56.2	56.2	56.8	56.4	56.4	56.3	
3	MINTING	42.5	42.4	42.3	42.2	42.3	42.2	42.1	42.1	44.0	43.0	42.6	42.3	
4	MANUFACTURING: DURABL	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	41.0	40.9	40.8	40.9	
5	MANUFACTURING: NONDUR	39.9	39.9	39.9	39.8	39.8	39.8	39.8	39.7	39.6	39.9	39.9	39.8	
6	REGULATED	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	40.2	41.0	41.1	41.1	
7	CONTRACT CONSTRUCTION	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	36.2	36.0	35.8	35.0	
8	FINANCIAL, INS, REAL E	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	36.7	36.8	36.9	37.0	
9	SERVICES	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.3	33.4	33.7	33.9	
10	WHOLESALE & RETAIL TRA	32.6	32.6	32.5	32.4	32.4	32.4	32.4	32.3	33.1	32.9	32.7	32.5	
11	GOVERNMENT	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
12														
13	WAGES													
14	TOTAL COMPENSATION OF E	1543.4	1542.4	1618.7	1653.9	1691.7	1735.2	1774.3	1812.0	1156.3	1275.8	1395.0	1528.0	
15	AGRICULTURE, FORESTRY,	11.9	12.1	12.3	12.4	12.6	12.6	12.9	13.1	11.2	10.9	11.3	11.9	
16	MINTING	25.1	25.4	25.8	26.1	26.4	26.7	27.0	27.3	17.6	20.8	23.0	24.8	
17	MANUFACTURING: DURABL	289.0	296.5	305.0	313.7	322.4	331.1	340.2	349.4	204.3	230.6	256.0	284.8	
18	MANUFACTURING: NONDUR	148.4	151.3	154.6	156.8	159.8	162.9	166.5	168.0	116.8	128.3	136.0	147.1	
19	REGULATED	128.8	131.5	134.8	137.8	141.0	144.1	147.2	150.1	90.9	102.7	114.5	126.9	
20														
21	CONTRACT CONSTRUCTION	85.4	87.3	89.7	91.9	94.4	96.9	99.7	102.3	62.2	71.7	77.1	84.4	
22	FINANCIAL, INS, REAL ES	68.3	68.3	68.2	68.2	68.2	68.2	68.2	68.2	61.9	68.5	76.9	87.0	
23	SERVICES	234.5	240.6	247.0	254.1	261.5	268.9	276.2	283.9	167.6	187.2	208.2	231.4	
24	WHOLESALE & RETAIL TR	247.3	252.3	257.6	262.6	268.0	273.5	279.1	284.6	192.9	208.5	225.5	248.9	
25	GOVERNMENT	284.9	284.2	297.7	301.2	304.8	314.6	318.2	321.8	230.9	248.6	266.3	289.7	
26	REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27														
28	HOURLY WAGE RATES													
29	MANUFACTURING AND MINI	9.97	10.15	10.36	10.56	10.77	10.98	11.22	11.44	7.67	8.50	9.14	10.67	
30	MINTING	11.59	11.79	12.02	12.21	12.51	12.74	13.00	13.27	9.89	9.87	10.61	12.38	
31	MANUFACTURING: DURAB	9.90	10.08	10.29	10.48	10.69	10.90	11.14	11.36	7.82	8.43	9.06	10.59	
32	MANUFACTURING: NONDUR	10.69	10.88	11.10	11.32	11.56	11.77	12.02	12.28	6.36	6.96	7.76	10.57	
33	REGULATED	6.64	6.80	6.99	7.12	7.29	7.47	7.69	7.93	7.02	7.49	8.57	9.22	
34	CONTRACT CONSTRUCTION	12.40	12.67	12.97	13.26	13.57	13.88	14.21	14.54	9.47	10.31	11.21	12.27	
35	FINANCIAL, INS, REAL E	11.14	11.36	11.64	11.89	12.16	12.44	12.77	13.06	8.40	9.42	10.13	11.02	
36	SERVICES	8.95	9.12	9.30	9.48	9.67	9.86	10.06	10.26	7.22	7.66	8.21	9.58	
37	WHOLESALE & RETAIL TRA	7.86	7.99	8.13	8.29	8.47	8.63	8.80	8.98	6.32	6.80	7.27	8.38	
38	GOVERNMENT	7.52	7.65	7.80	7.93	8.08	8.23	8.38	8.54	6.10	6.51	6.95	8.01	
39														
40	ANNUAL COMPENSATION													
41	TOTAL GOVERNMENT PAGES	245.1	253.7	256.5	259.3	262.2	271.3	274.2	277.1	199.8	214.8	229.7	245.3	
42	CIV GOVT	215.1	221.8	224.6	227.4	230.3	237.3	240.2	243.1	178.6	187.9	201.1	218.8	
43	MILITARY	30.0	31.9	31.9	31.9	31.9	34.0	34.0	34.0	21.2	26.8	28.6	30.5	
44	LESS: FED GOV WAGE ACC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
45	LESS: STATE GOV WAGE AC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
46	COMPENSATION PER EMPLOYEE													
47	FED GOVT INCL MILITARY	17.80	19.10	19.26	19.50	19.40	20.80	20.90	21.00	13.79	15.10	16.52	18.05	
48	STATE & LOCAL GOVT	12.80	12.50	12.60	12.70	12.80	12.90	13.00	13.10	11.15	11.55	11.95	12.35	
49	AGRICULTURE, FORESTRY, F	4.25	4.35	4.45	4.56	4.66	4.77	4.87	4.98	3.50	3.58	3.87	4.21	

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MAXIMUM DESCRIPTOR WIDTH PERMITTED IS LESS THAN ACTUAL WIDTH; TRUNCATION WILL OCCUR
ACTUAL = 20 PERMITTED 25

T H E M A R T I N Q U A R T E R L Y M O D E L M A K K 4.6
SPECIAL DNR FORECAST: OCTOBER 1977

TABLE 17.00 CAPITAL STOCKS, OUTPUT ORIGINATING, DEPRECIATION, USER COST

LINE	VAR LABEL	I	T	E	M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2	
FIXED CAPITAL STOCKS (72 331)																			
1	NIAG	I	AGRICULTURE, FORESTRY,			73.51	74.2	74.9	75.5	76.1	76.7	77.3	78.0	78.6	79.2	79.8	80.4	81.0	
2	NIANG	I	MINING			24.01	25.0	25.2	25.5	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	
3	NIAMG	I	MANUFACTURING DURABL			159.41	160.6	161.9	163.5	165.2	166.9	168.0	170.6	172.6	174.6	176.6	178.6	180.9	
4	NIAPG	I	MANUFACTURING NONDUR			189.71	191.5	193.8	195.3	197.2	199.1	201.0	203.0	205.0	207.0	209.1	211.2	213.3	
5	NIAR	I	TRANSPORTATION			62.21	62.1	62.0	61.9	62.0	62.0	62.2	62.4	62.7	63.1	63.5	64.0	64.6	
6	NIAGC	I	COMMUNICATIONS			100.01	101.1	102.3	103.6	105.1	106.7	108.4	110.1	111.9	113.7	115.5	117.3	119.0	
7	NIAGU	I	UTILITIES			182.11	184.2	186.4	188.6	191.0	193.5	196.1	198.6	201.0	203.4	206.0	208.7	211.5	
8	NIAC	I	COMMERCIAL			169.51	169.7	170.0	170.5	171.0	171.8	172.6	173.7	174.8	175.9	177.1	178.3	179.6	
9	NIAB	I	RESIDUAL			174.01	176.0	179.0	181.4	183.0	186.3	188.8	191.3	193.6	196.2	198.7	201.2	203.6	
CAPITAL STOCK MISSING																			
10	NIKFP	I	CONSTANT DOLLARS			796.01	804.9	814.1	823.3	832.2	840.7	848.7	856.5	864.2	871.9	879.4	886.8	894.4	
11	NIKFRS	I	CURRENT DOLLARS			622.41	636.0	652.1	667.9	683.5	698.6	713.2	727.9	742.5	757.4	772.3	787.5	802.9	
DEPRECIATION (CURRENTS)																			
12	NIKFA	H	TOTAL CAPL CONSUMPTION			193.31	200.2	204.9	211.0	216.4	222.1	227.7	234.2	240.3	246.7	253.1	261.2	268.5	
13	NIKFA5	M	REAL ESTATE			35.471	36.29	36.74	37.43	38.15	38.87	39.55	40.22	40.88	41.56	42.23	42.92	43.62	
DEPRECIATION WAFES																			
14	CCARNTAG	E	AGRICULTURE, FORESTRY,			0.0901	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
15	CCARNTAG	E	MINING			0.0841	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	
16	CCARNTAG	F	MANUFACTURING DURABL			0.0761	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	
17	CCARNTAG	F	MANUFACTURING NONDUR			0.0801	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	
18	CCARNTAG	E	TRANSPORTATION			0.0691	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	
19	CCARNTAG	E	COMMUNICATIONS			0.0491	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	
20	CCARNTAG	E	UTILITIES			0.0871	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	
21	CCARNTAG	E	COMMERCIAL			0.0871	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	
22	CCARNTAG	E	RESIDUAL			0.0871	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	
USER COSTS OF CAPITAL (CURRS)																			
23	UCKAG	I	AGRICULTURE, FORESTRY, F			23.71	27.9	28.1	27.8	27.0	28.5	28.1	30.9	30.8	26.7	27.3	30.0	27.2	
24	UCKMG	I	MINING			15.11	15.4	15.6	15.4	15.6	15.9	16.1	16.4	16.7	17.0	17.2	17.7	18.1	
25	UCKMPD	I	MANUFACTURING DURABLE			16.91	18.4	19.7	19.5	19.6	19.6	20.0	20.1	20.3	20.5	20.9	21.2	21.5	
26	UCKMPN	I	MANUFACTURING NONDURA			18.91	20.2	21.3	21.2	21.0	20.9	21.7	22.2	22.7	23.0	22.5	22.6	23.2	
27	UCKMGT	I	TRANSPORTATION			18.21	19.3	20.7	20.0	19.3	20.8	21.3	21.7	22.2	22.7	23.7	23.6	24.5	
28	UCKMGC	I	COMMUNICATIONS			24.91	24.5	25.2	24.9	25.7	26.6	27.7	28.5	29.7	29.8	30.2	30.1	30.8	
29	UCKMGU	I	UTILITIES			9.61	9.8	9.8	10.0	10.0	10.2	10.3	10.5	10.7	11.4	13.2	15.4	17.6	
30	UCKMCH	I	COMMERCIAL			17.31	17.5	18.7	19.1	19.7	20.3	20.8	21.2	21.6	22.1	22.6	23.3	24.1	

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THE PHARIS QUARTERLY MODEL MARK 4.6
SPECIAL UNM FORECAST OCTOBER 1977

LINE	VAR LABEL	UNIT	1980.1	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
TARIF 17.00 CAPITAL STOCKS, OUTPUT ORIGINATING, DEPRECIATION, USER COST															
1	FIAD CAPITAL STOCKS (72 \$)														
2	MIAG	I	81.0	82.1	83.3	83.8	84.4	84.9	85.4	85.8	73.0	76.4	78.4	81.3	83.6
3	KIARG	I	20.5	20.8	20.2	20.9	30.2	30.6	30.9	24.9	24.9	24.9	27.0	28.3	29.7
4	KIAPFD	I	183.2	185.5	187.8	190.3	192.8	194.1	198.1	200.8	160.0	166.1	171.6	182.1	191.6
5	KIAPFH	I	215.5	217.7	220.0	222.2	224.5	226.9	229.2	231.5	190.6	198.1	206.0	218.4	223.4
6	KIANGT	I	65.2	65.8	66.5	67.3	68.0	68.7	69.5	70.2	62.1	62.0	62.9	64.9	67.6
7	KIARGAR	I	120.7	122.4	124.0	125.6	127.1	128.7	130.1	131.6	100.6	105.9	112.8	119.8	126.3
8	KIARGU9	I	214.6	217.8	221.3	225.0	233.2	237.7	242.3	247.7	183.2	192.3	202.3	213.2	227.1
9	KIACM	I	181.0	182.4	183.9	185.5	187.2	188.9	190.6	192.3	169.7	171.5	175.4	180.3	186.4
10	KIACM	I	206.1	208.5	210.9	213.3	215.7	218.1	220.4	222.7	175.9	185.1	195.0	204.9	214.5
11	KIACM	I	901.8	909.1	916.5	923.9	931.5	939.2	947.2	955.4	800.5	836.2	868.0	898.0	927.8
12	KIACM	I	818.4	834.1	850.2	866.7	883.8	901.7	920.8	940.0	630.0	690.8	750.9	810.7	875.6
13	KIACM	I	275.6	283.0	291.0	299.0	307.3	315.9	325.4	334.7	196.9	219.3	243.6	272.1	301.3
14	KIACM	I	44.33	45.08	45.77	46.51	47.28	48.08	48.91	49.79	35.80	38.50	41.22	43.98	46.91
15	CCAT1	R													
16	CCAT1	R													
17	CCAT1	R													
18	CCAT1	R													
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26	CCAT1	R													
27	CCAT1	R													
28	CCAT1	R													
29	CCAT1	R													
30	CCAT1	R													
31	CCAT1	R													
32	UCKAG	I	27.7	27.3	29.1	29.9	31.2	31.2	32.4	33.3	26.0	28.0	28.9	28.1	30.4
33	UCKMG	I	18.4	18.8	19.2	19.5	19.9	20.3	20.7	21.1	16.4	15.7	16.8	16.2	19.7
34	UCKMF	I	21.7	22.2	23.0	23.7	24.4	25.1	26.0	26.9	17.7	19.7	20.5	21.7	24.1
35	UCKMF	I	23.5	24.1	24.7	25.4	26.0	26.6	27.4	28.2	19.9	21.2	22.6	23.4	25.7
36	UCKMF	I	25.3	25.9	26.7	27.6	28.3	28.9	29.7	30.4	19.0	20.2	21.6	22.8	27.9
37	UCKMGT	I	31.4	32.0	32.7	33.4	34.0	34.5	35.2	34.9	25.0	26.3	27.6	28.8	33.6
38	UCKMGT	I	19.1	20.5	21.8	23.0	24.0	24.9	25.6	26.1	9.7	10.1	11.5	12.2	23.5
39	UCKMGT	I	24.8	25.6	26.4	27.1	27.7	28.3	29.0	29.6	17.7	20.0	21.9	24.3	27.4
40	UCKM	I													

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MAXIMUM DESCRIPTION WIDTH PERMITTED IS LESS THAN ACTUAL WIDTH, TRUNCATION WILL OCCUR
ACTUALS AS PERMITTED 23

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THE W H A R T O N Q U A R T E R L Y M O D E L M A N K 4,6
SPECIAL ONR FORECAST, OCTOBER 1977

TABLE 18.00 TAX RELATED VARIABLES

LINE	VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	EXCISES/TAXES	44.1	44.1	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2	SOCIAL SECURITY TO EMPLOYER	0.106	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
3	SOCIAL SECURITY TO EMPLOYEE	16.5	16.5	17.7	17.7	17.7	17.7	19.2	19.2	19.2	19.2	19.2	20.7	20.7
4	TAX MAX	44.1	44.1	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
5	MAX WAGE SUB TO DA	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
6	EFFECTIVE CORP TAX RATE	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
7	AGRICULTURE, FORES	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
8	Mining	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
9	MANUF DURABLES	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
10	MANUF NONDURABLE	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
11	TRANSPORTATION	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
12	COMMUNICATIONS	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
13	UTILITIES	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
14	COMMERCIAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15	DUMMY, EFF CORP T	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16														
17	INVEST TAX CREDIT	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501	5.501
18	AGRICULTURE, FORES	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047	5.047
19	Mining	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476
20	MANUF DURABLES	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598	7.598
21	MANUF NONDURABLE	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047	6.047
22	TRANSPORTATION	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900
23	COMMUNICATIONS	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916
24	UTILITIES	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326
25	COMMERCIAL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
26	DUMMY, INVEST TAX	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
27	DUMMY, INVEST TAX	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
28														
29	PRESENT VALUE \$ DEPR	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697
30	AGRICULTURE, FORES	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593
31	Mining	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
32	MANUF DURABLES	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633
33	MANUF NONDURABLE	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573
34	TRANSPORTATION	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566
35	COMMUNICATIONS	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
36	UTILITIES	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593
37	COMMERCIAL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
38														
39	EFFECTIVE TAX LIFE	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
40	AGRICULTURE, FORES	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
41	Mining	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
42	MANUF DURABLES	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
43	MANUF NONDURABLE	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
44	TRANSPORTATION	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
45	COMMUNICATIONS	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
46	UTILITIES	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
47	COMMERCIAL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

THE PHARMATION QUARTERLY MODEL MARK 4,6
SPECIAL OMM FORECAST: OCTOBER 1977

LINE	VAR LABEL	ITEM	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
MISCELLANEOUS TAXES															
3	TR0PFDVS	R TAX, FED INC, TOT	324.01	328.5	334.7	339.7	345.6	351.7	357.8	363.0	368.9	376.2	382.5	388.4	394.9
4	TR0PFEH	B TAX, FED INC, # E	226.41	228.7	229.1	229.5	229.7	230.3	230.7	231.1	231.5	231.9	232.3	232.7	233.1
5	TR0PFEVS	F TAX, FED INC, VAL	0.7501	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
PROPORTION OF INC TAXED															
8	TR0PFY1	H 1ST BRACKET	0.0361	0.037	0.034	0.031	0.029	0.027	0.024	0.022	0.020	0.018	0.016	0.015	0.013
9	TR0PFY2	B 2ND BRACKET	0.0391	0.040	0.038	0.036	0.034	0.032	0.031	0.029	0.027	0.026	0.024	0.023	0.021
10	TR0PFY3	M 3RD BRACKET	0.0541	0.056	0.054	0.053	0.051	0.049	0.048	0.046	0.044	0.043	0.041	0.040	0.038
11	TR0PFY4	R 4TH BRACKET	0.0621	0.062	0.061	0.060	0.059	0.057	0.056	0.054	0.052	0.051	0.049	0.048	0.046
12	TR0PFY5	B 5TH BRACKET	0.2981	0.294	0.292	0.291	0.289	0.288	0.286	0.284	0.282	0.280	0.277	0.275	0.272
13	TR0PFY6	R 6TH BRACKET	0.2231	0.221	0.225	0.228	0.232	0.235	0.238	0.241	0.244	0.247	0.250	0.252	0.255
14	TR0PFY7	R 7TH BRACKET	0.1391	0.141	0.146	0.150	0.154	0.159	0.164	0.168	0.173	0.178	0.184	0.189	0.194
15	TR0PFYA	B 8TH THRU TOP BRAC	0.1501	0.149	0.150	0.151	0.152	0.152	0.152	0.153	0.153	0.153	0.154	0.154	0.154
TAX WAIF, PERSONAL INCOME															
18	TR0PTFY1	E 1ST BRACKET	14.001	14.00	14.00	14.00	14.00	14.00	14.00	12.00	12.00	12.00	12.00	12.00	12.00
19	TR0PTFY2	E 2ND BRACKET	15.001	15.00	15.00	15.00	15.00	15.00	15.00	13.00	13.00	13.00	13.00	13.00	13.00
20	TR0PTFY3	F 3RD BRACKET	16.001	16.00	16.00	16.00	16.00	16.00	16.00	14.00	14.00	14.00	14.00	14.00	14.00
21	TR0PTFY4	E 4TH BRACKET	17.001	17.00	17.00	17.00	17.00	17.00	17.00	16.00	16.00	16.00	16.00	16.00	16.00
22	TR0PTFY5	E 5TH BRACKET	19.001	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
23	TR0PTFY6	E 6TH BRACKET	22.001	22.00	22.00	22.00	22.00	22.00	22.00	23.00	23.00	23.00	23.00	23.00	23.00
24	TR0PTFY7	E 7TH BRACKET	25.001	25.00	25.00	25.00	25.00	25.00	25.00	26.00	26.00	26.00	26.00	26.00	26.00
25	TR0PTFY8	E 8TH BRACKET	28.001	28.00	28.00	28.00	28.00	28.00	28.00	30.00	30.00	30.00	30.00	30.00	30.00
26	TR0PTFY9	E 9TH BRACKET	32.001	32.00	32.00	32.00	32.00	32.00	32.00	34.00	34.00	34.00	34.00	34.00	34.00
27	DUMTXRPMFY	E DUMMY, PER, INC T	1.001	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
29	YPTAX23	I EST PERIL INC TAX	1375.011401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0	1401.0
30	YPTAX35	I EST PERIL TAX INC	879.71	901.0	934.8	961.7	993.0	1022.7	1056.3	1083.2	1115.3	1148.5	1187.0	1219.4	1254.4
31	TXMITF	E FED COMP TAX RATE	48.001	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00
32	TXRBTESRES	E LFF TAX MT. SEL I	15.31	15.3	15.3	15.2	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.7	14.7
GAS TAX CENTS PER GAL															
35	TXRGF	E FED GAS TAX	9.01	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
36	TXRSG	E STATE & LOCAL GAS	9.61	9.7	9.7	9.8	9.8	9.9	9.9	9.9	9.9	9.1	9.1	9.2	9.2

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THE WHARTON QUARTERLY MODEL MARK 4,6
SPECIAL UNR FORECAST OCTOBER 1977

TABLE 10.00 TAX RELATED VARIABLES
MISCELLANEOUS TAXES

LINE	VAR LABEL	ITEM	1980,3	1980,4	1981,1	1981,2	1981,3	1981,4	1982,1	1982,2	1977	1978	1979	1980	1981
1															
2	TXRPF0V5	U TAX, FED INC, TUF	402.9	409.4	415.7	422.4	431.3	437.9	444.8	451.9	317.6	348.7	372.6	398.9	426.8
3	TXRPF1V5	R TAX, FED INC, FE	233.6	234.1	234.5	235.0	236.0	236.5	236.9	237.5	230.1	231.7	233.4	235.2	237.2
4	TXRPF2V5	E TAX, FED INC, VAL	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
5	TXRPF3V5														
6		PROPORTION OF INC TAXED													
7	TXRPF4V1	R 1ST BRACKET	0.012	0.010	0.009	0.007	0.006	0.005	0.004	0.003	0.036	0.028	0.019	0.012	0.007
8	TXRPF4V2	R 2ND BRACKET	0.020	0.018	0.017	0.016	0.015	0.013	0.012	0.011	0.039	0.033	0.027	0.020	0.015
9	TXRPF4V3	R 3RD BRACKET	0.037	0.034	0.034	0.032	0.031	0.029	0.028	0.027	0.055	0.048	0.044	0.037	0.032
10	TXRPF4V4	R 4TH BRACKET	0.052	0.051	0.051	0.050	0.049	0.048	0.048	0.047	0.062	0.059	0.054	0.053	0.050
11	TXRPF4V5	R 5TH BRACKET	0.269	0.266	0.264	0.261	0.258	0.254	0.252	0.249	0.295	0.288	0.281	0.271	0.259
12	TXRPF4V6	R 6TH BRACKET	0.257	0.260	0.262	0.264	0.266	0.267	0.269	0.270	0.223	0.233	0.245	0.256	0.265
13	TXRPF4V7	R 7TH BRACKET	0.199	0.206	0.211	0.216	0.222	0.228	0.234	0.241	0.141	0.157	0.176	0.197	0.219
14	TXRPF4V8	R 8TH THRU TOP BRAC	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.149	0.151	0.153	0.154	0.154
15	TXRPF4V9														
16		TAX RATE, PERSONAL INCOME													
17	TXRPF5V1	E 1ST BRACKET	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	14.00	14.00	12.00	12.00	12.00
18	TXRPF5V2	E 2ND BRACKET	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	15.00	15.00	13.00	13.00	13.00
19	TXRPF5V3	E 3RD BRACKET	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	16.00	16.00	14.00	14.00	14.00
20	TXRPF5V4	E 4TH BRACKET	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	17.00	17.00	16.00	16.00	16.00
21	TXRPF5V5	E 5TH BRACKET	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
22	TXRPF5V6	E 6TH BRACKET	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	22.00	22.00	23.00	23.00	23.00
23	TXRPF5V7	E 7TH BRACKET	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
24	TXRPF5V8	E 8TH BRACKET	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
25	TXRPF5V9	E 9TH BRACKET	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	32.00	32.00	34.00	34.00	34.00
26	TXRPF5V9	E DUMMY, PER, INC 1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
27	DUMTRPTNFY														
28															
29	YPTAX21	I EST PERIL INC TAX	1066.1	1917.2	1959.4	2004.1	2051.7	2105.5	2152.7	2200.1	1387.6	1529.7	1679.9	1848.1	2030.2
30	YPTAX33	I EST PERIL TAX INC	1290.0	1332.3	1367.0	1405.5	1443.0	1490.6	1530.5	1570.5	898.5	1008.4	1133.5	1278.1	1426.9
31	TXRPTNF	E FED COMP TAX RATE	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00
32	TXRPTNFRES	E EFF TAX RT, SBL 1	18.7	18.6	18.6	18.5	18.5	18.4	18.4	18.3	15.2	15.1	14.9	14.7	14.5
33															
34		GAS TAX CENTS PER GAL													
35	TXRNGF	E FED GAS TAX	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
36	TXRNGC	E STATE & LOCAL GAS	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6	9.9	9.1	9.3	9.5	9.5

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THE WHARTON QUARTERLY MODEL MARK 4.6
SPECIAL WINTER FORECAST: OCTOBER 1977

TABLE 19.00 MISCELLANEOUS VARIABLES
1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE	VAR LABEL	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
TIME AND DUMMY VARIABLES													
1	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
7	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
14	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
16	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
17	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
18	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
19	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
20	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
21	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
23	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
24	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
25	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
26	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
28	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
29	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
30	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
32	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
33	DUMMYPUR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
OTHER MISC VARIABLES													
34	CURR S, OUTPUT UR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
35	XALOC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
36	XALOC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
37	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
38	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
39	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
40	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
41	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
42	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
43	WALDOP	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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THE W H A R T I U N Q U A R T E R L Y M I U O T L M A R K 4.6
SPECIAL ONR FOMECASIT OCTOBER 1977

TABLE 19.00 MISCELLANEOUS VARIABLES

LINE	VAR LABEL	UNIT	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
TIME AND DUMMY VARIABLES															
1	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
17	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
21	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
22	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26	DUMMIES	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	DUMMIES	E	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.5	2.5	2.5	2.5
29	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	DUMMIES	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	DUMMIES	E	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	118.5	122.5	126.5	130.5	134.5
OTHER MISC VARIABLES															
34	XALOC	I	4.4	6.5	6.2	5.3	4.9	6.1	5.8	5.4	0.9	3.4	3.9	6.2	5.6
35	XALOC	I	0.1	-0.3	-0.9	-1.1	-1.0	-1.2	-2.3	-2.1	0.3	-1.5	-0.5	-0.7	-1.1
36	XALOC	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	XALOC	E	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.63	0.63	0.63	0.64	0.64
38	XALOC	E	39.8	40.5	41.2	41.9	42.6	43.3	44.0	44.7	31.1	33.8	36.6	39.4	42.2
39	XALOC	E	30.0	30.8	31.2	31.6	32.0	32.4	32.8	33.2	25.0	26.6	28.2	29.8	31.4
40	XALOC	E	28.4	25.2	25.6	26.0	26.4	26.8	27.2	27.6	19.7	21.4	23.0	24.6	26.2
41	XALOC	E	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
42	XALOC	E	68.0	68.9	70.1	71.3	72.5	73.7	74.7	75.4	47.3	54.5	61.9	67.4	71.9

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THE MONTHLY QUARTERLY MODEL MARK 4.6
SPECIAL URN FORECAST: OCTOBER 1977

TABLE 19.10 MISCELLANEOUS VARIABLES CONTINUED

LINE	VARIABLE	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	MEASURED RESERVES RATIOS													
2	E TIME DEPOSITS	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
3	F ALC RES REPORT DEF	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
4	F MAX TIME DEP RATE	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
5														
6	F UROS/FUNDS	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
7	F UROS/FUNDS	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
8	F UROS/FUNDS	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
9														
10	OTHER MISC FINANCIAL VARI													
11	F RSP CEILING	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	F RMCSA	10.10	7.39	7.30	6.64	7.08	5.66	5.83	6.07	5.83	6.07	5.83	6.07	5.83
13	F RFASSUS/DIHA	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
14	F RNFUSM	5.60	5.65	5.70	5.75	5.80	5.90	6.00	6.10	6.20	6.30	6.40	6.50	6.60
15														
16	OCCUPANCY RATES													
17	E TOTAL OCCUPIED RA	91.61	91.7	91.8	91.9	91.9	91.8	91.8	91.7	91.7	91.7	91.6	91.6	91.6
18	F UNEMP OCCUPIED HD	98.81	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2
19	B RENTAL HOUSING	94.91	95.0	95.2	95.4	95.4	95.5	95.6	95.6	95.6	95.9	96.0	96.1	96.1
20														
21	I CPI - HEIT - 72 RA	129.8	132.0	134.0	136.0	137.8	139.0	141.0	143.0	145.9	147.8	149.9	151.9	151.9
22	F AGRICULTURAL EXPU	26.71	27.0	27.3	27.6	28.2	28.5	28.8	29.1	29.4	29.7	30.0	30.3	30.3
23	F AGRICULTURAL EXPU	0.61	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
24	F DDPKMS	65.51	60.0	61.2	62.4	63.6	64.8	66.0	67.2	68.4	69.6	70.8	72.0	73.2
25	I HEALTH PRXY	1039.7	1049.5	1059.6	1070.4	1080.9	1091.6	1102.4	1113.3	1124.2	1135.2	1146.2	1157.5	1168.5
26														
27	SCHOOL ENROLLMENT RATES													
28	F MALES 16 TO 19	0.71	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
29	F MALES 20 TO 24	0.31	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	F FEMALES 16 TO 19	0.71	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
31														
32	F FERTILITY RATES													
33	F AGES 15 TO 19	52.91	52.5	52.0	51.6	51.1	50.7	50.2	49.8	49.3	48.9	48.4	48.0	47.5
34	F AGES 20 TO 24	106.61	105.6	104.5	103.4	102.3	101.3	100.2	99.1	98.0	97.0	95.9	94.8	93.7
35	F AGES 25 TO 34	155.31	154.3	153.2	152.1	151.0	150.0	148.9	147.8	146.7	145.7	144.6	143.5	142.4
36	F AGES 35 TO 44	22.11	21.9	21.6	21.4	21.1	20.9	20.6	20.4	20.1	19.9	19.6	19.4	19.1
37	F ALL AGES	1726.2	1717.7	1709.2	1700.7	1692.2	1683.7	1675.2	1666.7	1658.2	1649.7	1641.2	1632.7	1624.2
38														
39	B REAL COMP PER MHR	110.31	110.7	119.5	120.4	121.1	121.7	122.2	122.8	123.3	123.7	124.4	124.7	125.2
40	POTENTIAL GNP AT 42													
41	GNP POT	1534.0	1546.0	1562.0	1576.0	1590.0	1604.0	1618.0	1632.0	1646.0	1660.0	1674.0	1688.0	1702.0
42														

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THE W H A R T O N U A H T E H L Y M U D E L M A R K 4.6
SPECIAL OMR FORECAST OCTOBER 1977

TABLE 19.10 MISCELLANEOUS VARIABLES CONTINUED

LIFE	VAR LABEL	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	RETIRED PERSERVES RATIOS													
2	FRET	E	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
3	FRED	E	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
4	FRDC	E	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
5														
6	FRDRA/FDMS	E	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
7	FRDRA/FDMS	E	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
8	FRDRA/FDMS	E	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
9														
10	OTHER MISC FINANCIAL VARI													
11	FRMPC	E	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	FRMCA	E	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10
13	FRFASRS/D-RHS	E	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
14	FRMFDJH	E	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
15														
16	HOOTU	E	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
17	HOHIO	E	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
18	HOHIO	E	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
19	HOHIO	E	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
20	PCSRT2*	E	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3
21	TEUGTAGS	E	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
22	TECCPLARDS	E	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
23	DDPCS	E	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
24	KRGHP	E	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4	1179.4
25														
26	NPSRM16,19	F	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
27	NPSRM20,24	F	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	NPSRF16,19	F	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
29														
30	MPF15,14	E	47.1	46.6	46.2	45.7	45.3	44.8	44.4	43.91	52.7	50.9	49.1	47.3
31	MPF20,24	E	92.7	91.6	90.5	89.4	88.4	87.3	86.2	85.11	106.1	101.8	97.5	93.2
32	MPF25,34	E	141.4	140.3	139.2	138.1	137.1	136.0	134.9	133.81	154.8	150.5	146.2	141.9
33	MPF35,44	E	18.9	18.6	18.4	18.1	17.9	17.6	17.4	17.11	22.0	21.0	20.0	19.0
34	MPF	E	1615.7	1607.2	1598.7	1590.2	1581.7	1573.2	1564.7	1556.21	1722.0	1688.0	1654.0	1620.0
35														
36	BLSRPPI	E	125.9	126.5	127.2	127.7	128.4	129.0	129.6	130.11	118.5	121.3	123.5	125.6
37														
38	GNPPI1	E	1716.0	1730.0	1740.0	1758.0	1772.0	1786.0	1800.0	1814.01	1540.7	1597.0	1653.0	1709.0
39														

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THE BARTON QUARTERLY MODEL MARK 6.6
SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
17	581	197.15	200.83	203.80	206.09	208.47	211.03	213.61	216.16	218.63	221.79	224.24	226.76
18	681	-0.78	7.66	4.39	6.24	4.69	5.02	4.94	4.86	5.04	5.51	4.50	4.94
19	2851	24.59	24.85	25.09	25.37	25.59	25.79	25.97	26.14	26.31	26.49	26.65	26.82
20	1251	2.29	4.18	3.97	4.50	3.54	3.12	2.86	2.64	2.61	2.77	2.47	2.85
21	1461	11.51	11.61	11.72	11.85	11.98	12.10	12.20	12.30	12.39	12.48	12.56	12.64
22	621	1.88	3.49	3.82	4.47	4.52	3.93	3.50	3.16	2.97	2.93	2.66	2.57
23	4031	41.07	41.14	41.16	41.06	40.98	40.92	40.87	40.84	40.82	40.80	40.79	40.79
24	341	0.40	0.66	0.14	0.03	-0.94	-0.78	-0.61	-0.47	-0.32	-0.16	-0.19	-0.12
25	202	601	207.52	213.47	220.66	227.91	234.13	239.79	246.00	252.73	259.45	265.90	272.99
26	19	931	10.08	11.96	14.17	13.81	11.38	10.02	10.77	11.41	11.06	10.32	11.09
27	6	281	8.44	8.59	8.79	8.98	9.15	9.30	9.47	9.67	9.86	10.04	10.27
28	7	801	7.61	7.47	9.81	8.91	7.57	6.69	7.69	8.50	8.21	7.35	9.29
29	139	1041	180.82	142.59	144.85	147.23	149.55	151.69	154.21	156.76	159.39	162.00	164.65
30	5	571	5.23	5.11	6.50	6.73	6.46	5.86	6.79	6.78	6.89	6.71	6.13
31	18	881	19.04	19.94	20.72	21.35	21.84	22.29	22.66	23.05	23.47	23.90	24.33
32	14	861	3.52	20.12	16.79	12.61	9.59	6.45	6.76	7.16	7.49	7.29	7.12
33	16	871	18.39	19.74	19.55	19.64	19.64	20.00	20.12	20.29	20.52	20.93	21.49
34	88	241	37.57	88.30	88.41	88.85	89.01	89.24	89.44	89.62	89.85	90.18	90.50
35	159	351	160.55	161.95	163.50	165.18	166.93	168.76	170.64	172.58	174.58	176.63	178.75
36	127	221	126.94	128.83	129.92	131.20	132.20	133.71	135.52	136.88	138.35	139.97	141.76
37	6	591	-0.87	6.08	3.45	3.99	3.10	4.64	5.50	4.09	4.38	4.75	2.52
38	16	701	16.73	16.78	16.82	16.85	16.88	16.91	16.94	17.01	17.05	17.10	17.15
39	8	961	0.69	1.21	0.95	0.89	0.62	0.80	1.15	1.06	1.07	1.16	0.32
40	8	121	8.07	8.09	8.11	8.12	8.14	8.15	8.17	8.19	8.21	8.23	8.26
41	6	051	-2.32	0.90	0.80	0.79	0.65	0.76	0.98	0.96	0.99	1.06	0.57
42	39	531	39.83	39.87	39.88	39.89	39.89	39.89	39.91	39.92	39.93	39.94	39.90
43	2	741	3.09	0.31	0.15	0.10	-0.03	0.04	0.16	0.10	0.08	0.09	-0.24
44	116	101	118.07	120.41	123.27	125.08	127.23	129.60	132.40	134.42	137.14	140.07	143.47
45	13	431	6.95	8.18	9.83	6.00	7.06	7.68	8.91	6.26	8.32	8.84	9.25
46	6	951	7.06	7.10	7.33	7.42	7.54	7.66	7.81	7.90	8.04	8.19	8.36
47	4	101	6.22	6.89	8.79	5.06	6.40	6.82	7.67	5.14	7.18	7.60	8.49
48	130	611	140.10	141.63	143.03	144.15	145.26	146.28	148.00	149.69	151.46	153.34	156.21
49	11	131	8.30	4.84	4.00	3.17	3.11	2.83	4.60	4.63	4.81	5.06	7.71
50	22	291	22.43	22.93	23.04	23.34	23.59	23.85	24.08	24.33	24.65	24.94	25.22
51	23	561	20.19	9.11	2.26	5.00	4.45	4.37	4.02	4.19	5.31	4.82	4.61
52	18	861	20.19	21.32	21.21	20.97	20.91	21.74	22.17	22.70	23.05	22.48	22.59
53	93	831	93.60	98.15	94.23	94.30	94.14	94.21	94.38	94.37	94.40	94.49	94.06
54	189	741	191.53	193.40	195.27	197.17	199.09	201.04	203.01	205.00	207.03	209.10	211.19
55	1	1	1	1	1	1	1	1	1	1	1	1	1

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THE WHARTON QUARTERLY MIDDLE MARK 4.6
SPECIAL QMR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	I	F	H	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
MEMBER															
2 XCC	H	REAL OUTPUT		20.33	21.20	22.06	22.89	23.37	23.67	23.93	24.12	24.43	24.74	24.87	25.05
3 XCC	H	% CHANGE, REAL OUTPUT		13.85	18.15	17.28	15.79	8.73	5.20	4.88	3.16	5.25	5.22	2.20	1.22
4 XCC	B	MANHOURS		1.95	1.92	1.99	2.05	2.09	2.13	2.15	2.16	2.17	2.18	2.18	2.17
5 XCC	B	% CHANGE, MANHOURS		16.06	-6.19	15.19	12.84	9.35	6.16	4.03	2.32	1.87	1.58	0.50	-0.46
6 XCC	B	EMPLOYMENT		0.85	0.83	0.87	0.90	0.92	0.94	0.95	0.96	0.97	0.98	0.98	0.98
7 XCC	B	% CHANGE, EMPLOYMENT		10.89	-8.21	21.33	12.56	10.17	7.75	5.83	4.17	3.12	2.68	1.63	0.67
8 XCC	I	AVERAGE WEEKLY HOURS		44.13	44.37	45.80	43.83	43.75	43.59	43.40	43.21	43.05	42.94	42.70	42.60
9 XCC	I	% CHANGE, AVG WEEKLY HR		4.66	2.19	-5.06	0.25	-0.74	-1.46	-1.70	-1.77	-1.80	-1.87	-1.12	-0.96
10 XCC	I	COMPENSATION OF EMPLOY		17.50	17.61	18.60	19.63	20.51	21.19	21.74	22.28	22.80	23.33	23.77	24.68
11 XCC	I	% CHANGE, COMP OF EMP		23.51	2.45	28.67	23.04	19.25	14.00	10.76	9.86	10.21	9.60	7.66	7.95
12 XCC	B	COMPENSATION PER MANHR		0.94	0.91	0.93	0.95	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97
13 XCC	B	% CHANGE, COMP PER MH		0.42	0.21	0.23	0.75	0.05	7.36	6.47	7.37	8.18	7.64	7.12	8.14
14															
15															
16 XCC	I	SECTION PRICE		228.74	250.50	256.50	265.00	291.00	298.00	304.20	331.00	334.00	343.20	350.50	392.20
17 XCC	L	% CHANGE, SECTION PRICE		33.77	43.83	9.93	54.13	8.67	8.77	8.58	40.18	7.19	7.82	6.78	56.77
18 XCC	H	REAL INVESTMENT, PLANT		3.11	3.13	3.10	3.19	3.20	3.30	3.46	3.52	3.58	3.65	3.72	3.78
19 XCC	H	% CHANGE, REAL INVEST		19.26	2.03	-2.58	11.54	11.89	12.10	9.99	7.29	7.82	7.91	7.74	8.89
20 XCC	I	USER COST OF CAPITAL		15.12	15.36	15.60	15.37	15.61	15.85	16.09	16.38	16.65	16.95	17.23	18.08
21 XCC	B	CAPACITY UTILIZATION		93.35	90.07	93.10	95.91	96.98	97.13	97.11	96.75	97.00	97.10	96.79	96.04
22 XCC	I	CAPITAL STOCK		24.79	25.01	25.23	25.46	25.71	25.98	26.26	26.55	26.85	27.16	27.49	27.80
23															
24															
25															
26															
27															
CONTRACT CONSTRUCTION															
29 XCC	H	REAL OUTPUT		59.83	60.38	61.27	61.63	61.77	61.51	61.44	61.36	61.42	61.59	61.88	62.18
30 XCC	H	% CHANGE, REAL OUTPUT		33.13	3.73	6.02	7.62	0.88	-1.68	-0.44	-0.52	0.41	1.09	1.87	1.17
31 XCC	B	MANHOURS		7.46	7.55	7.60	7.62	7.63	7.61	7.61	7.60	7.61	7.62	7.63	7.64
32 XCC	B	% CHANGE, MANHOURS		29.85	4.91	2.69	1.07	0.40	-0.76	-0.20	-0.24	0.19	0.49	0.84	0.53
33 XCC	B	EMPLOYMENT		3.86	3.88	3.91	3.93	3.96	3.98	4.00	4.01	4.05	4.07	4.10	4.14
34 XCC	B	% CHANGE, EMPLOYMENT		37.17	37.59	37.40	37.26	37.07	36.78	36.54	36.31	36.11	35.95	35.82	35.50
35 XCC	I	AVERAGE WEEKLY HOURS		4.42	4.39	4.43	4.46	4.48	4.47	4.46	4.45	4.44	4.44	4.44	4.44
36 XCC	I	% CHANGE, AVG WEEKLY HR		61.50	64.69	66.05	69.82	71.30	72.33	73.47	74.07	74.27	74.63	74.61	83.39
37 XCC	I	COMPENSATION OF EMPLOY		46.50	22.45	13.99	18.99	8.74	5.95	6.85	7.84	7.86	8.45	9.47	10.00
38 XCC	B	% CHANGE, COMP OF EMP		8.24	8.57	8.80	9.16	9.35	9.50	9.66	9.85	10.02	10.22	10.43	10.90
39 XCC	H	COMPENSATION PER MANHR		12.82	16.71	11.00	17.73	8.31	6.76	6.66	6.10	7.46	7.92	8.55	9.42
40 XCC	H	% CHANGE, COMP PER MH													
41															
42															
43 XCC	H	SECTION PRICE		339.39	348.42	346.77	351.45	353.39	355.65	357.89	360.75	363.37	366.08	369.01	375.87
44 XCC	H	% CHANGE, SECTION PRICE		5.37	15.24	6.65	13.38	5.22	6.02	5.88	7.48	6.88	7.25	7.25	8.45
45 XCC	H	REAL INVESTMENT, PLANT		15.74	16.42	16.93	17.58	18.17	18.78	19.55	19.98	20.27	20.62	21.16	21.62
46 XCC	H	% CHANGE, INVEST, PLANT		-4.15	18.38	13.05	15.24	15.06	14.09	17.04	8.18	6.82	7.06	10.83	2.44
47 XCC	I	USER COST OF CAPITAL		17.33	17.49	18.67	19.11	19.73	20.33	20.82	21.24	21.62	22.12	22.55	23.32

THE M H A R T O N Q U A R T E R L Y M O D E L M A N K 4.0
SPECIAL DNR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTION DETAIL
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

Table with columns for LINE VAR LABEL, I T E N, and 12 years of data. Rows include categories like FINANCE, REAL ESTATE, MANUFACTURING, SERVICES, and INVESTMENT. Each row contains 12 numerical values representing the data for each year.

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T H E N H A R T U M Q U A R T E R L Y M O D E L M A K K 4.6
SPECIAL QNR FORECAST OCTOBER 1977

T A B L E 20.00 INDUSTRIAL SECTOR DETAIL
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
WHOLESALE AND RETAIL TRADE													
B REAL OUTPUT	224.07	225.21	224.00	230.07	232.28	234.26	236.57	239.15	241.17	243.40	245.77	247.35	248.80
R % CHANGE, REAL OUTPUT	1.151	2.05	5.06	3.68	3.90	3.44	0.00	4.41	1.95	1.75	1.96	2.56	2.40
H HOURS	31.661	31.72	31.81	31.90	32.00	32.09	32.19	32.30	32.41	32.52	32.63	32.72	32.80
B % CHANGE, HOURS	3.761	0.74	1.13	1.16	1.22	1.19	1.27	1.31	1.34	1.34	1.34	1.17	0.59
H EMPLOYMENT	18.251	18.33	18.42	18.50	18.59	18.68	18.76	18.86	18.95	19.05	19.14	19.23	19.31
R % CHANGE, EMPLOYMENT	3.341	2.34	1.85	1.85	1.90	1.86	1.92	2.04	1.98	1.94	2.02	1.83	1.43
I AVERAGE WEEKLY HOURS	33.401	33.27	33.21	33.15	33.10	33.04	32.99	32.94	32.89	32.83	32.78	32.73	32.68
I % CHANGE, AVG WKLY H	-0.401	-1.57	-0.70	-0.68	-0.66	-0.65	-0.64	-0.63	-0.64	-0.64	-0.64	-0.64	-0.64
I COMPENSATION OF EMPLOY	191.701	191.92	192.10	192.27	192.44	192.61	192.78	192.95	193.12	193.29	193.46	193.63	193.80
I % CHANGE, COMP OF EMP	10.441	6.88	6.69	9.33	7.98	7.78	7.83	8.27	8.36	8.70	8.35	9.11	8.88
U COMPENSATION PER HOUR	6.061	6.15	6.23	6.35	6.45	6.56	6.66	6.77	6.88	7.01	7.12	7.26	7.39
H % CHANGE, COMP PER H	6.441	6.10	5.49	8.08	6.68	6.51	6.48	6.78	6.93	7.26	6.88	7.84	7.42
SECTOR PRICE													
H REAL PRICE	186.061	186.74	150.27	151.77	153.48	155.39	157.14	159.07	160.98	162.91	164.85	167.25	169.54
R % CHANGE, SECTOR PRI	9.571	7.57	4.15	4.07	4.57	5.09	4.58	5.01	4.77	4.98	4.85	5.96	5.60
H REAL INVESTMENT, PLANT	15.741	16.42	16.93	17.54	18.17	18.78	19.55	19.94	20.27	20.62	21.16	21.29	21.62
R % CHANGE, INVEST, PL	-8.151	18.38	13.05	15.24	15.06	14.09	17.64	8.18	6.82	7.06	10.83	2.44	6.34
I USER COST OF CAPITAL	17.331	17.49	18.67	19.11	19.73	20.33	20.82	21.24	21.62	22.12	22.55	23.32	24.06
AGRICULTURE													
H REAL OUTPUT	41.081	43.89	43.67	42.01	42.38	43.98	44.11	43.17	44.10	44.10	44.30	44.32	44.34
R % CHANGE, REAL OUTPUT	-7.431	30.26	-1.97	-14.38	3.63	15.93	1.17	-8.20	0.87	0.72	1.12	0.12	0.18
H LABOR FORCE	3.331	3.22	3.15	3.08	3.04	3.03	3.00	2.96	2.94	2.91	2.89	2.86	2.83
H % CHANGE, LABOR FORC	33.061	-12.35	-0.02	-8.95	-4.67	-1.50	-3.77	-5.37	-2.55	-3.79	-3.66	-3.77	-3.73
I COMPENSATION OF EMPLOY	11.501	11.15	10.94	10.69	10.74	10.96	11.13	11.12	11.26	11.39	11.53	11.66	11.78
I % CHANGE, COMP OF EMP	11.151	-11.66	-7.23	-8.77	1.69	6.41	6.47	-0.49	5.21	4.57	5.24	4.56	4.27
H COMPENSATION PER HOUR	3.461	3.46	3.47	3.47	3.53	3.61	3.71	3.75	3.83	3.91	3.99	4.08	4.16
H % CHANGE, COMP PER H	-16.461	0.80	0.86	0.20	6.67	10.07	10.65	5.15	7.97	8.68	9.24	8.67	8.30
SECTOR PRICE													
H REAL PRICE	142.901	130.15	130.97	130.21	132.00	133.60	136.19	128.44	131.39	130.73	138.79	138.59	145.65
R % CHANGE, SECTOR PRI	-0.041	-31.19	2.54	-2.29	5.60	4.95	7.97	-20.84	9.51	24.27	6.17	-0.58	22.01
H REAL INVESTMENT, PLANT	10.001	9.88	9.78	9.73	9.71	9.76	9.88	9.99	10.00	10.01	10.01	10.02	10.06
B % CHANGE, REAL INVE	2.651	-4.68	-3.85	-2.07	-0.89	2.19	4.81	4.52	0.63	0.16	0.01	0.54	1.52

BEST AVAILABLE COPY

THE WASHINGTON QUARTERLY MODEL MARK 4.6
SPECIAL UNR FORECAST, OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTION DETAIL
1977.2 1977.3 1977.4 1978.1 1978.2 1978.3 1978.4 1979.1 1979.2 1979.3 1979.4 1980.1 1980.2

LINE VAR LABEL	I	T	F	M	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
REGULATED INDUSTRIES																	
TRANSPORTATION																	
1	B	REAL OUTPUT			50.56	51.19	51.48	52.05	52.61	53.34	54.06	54.75	55.48	56.32	56.81	57.87	
2	H	% CHANGE, REAL OUTPUT			11.22	0.01	5.07	2.25	4.37	5.67	5.52	5.24	5.44	6.18	5.52	4.76	
3	H	SECTION PRICE			135.40	137.06	138.52	140.74	142.85	144.92	146.91	148.90	150.91	152.93	154.80	158.79	
4	H	% CHANGE, SECTION PRICE			5.33	5.00	4.31	6.58	6.13	5.60	5.51	5.50	5.46	5.00	5.25	5.19	
5	B	REAL INVESTMENT, PLANT			4.82	4.76	4.81	5.04	5.20	5.53	5.82	6.14	6.48	7.14	7.45	7.70	
6	B	% CHANGE, REAL INVEST			-23.20	-5.27	4.69	21.00	20.40	22.45	23.98	24.22	22.32	20.29	18.30	14.23	
7	I	USER COST OF CAPITAL			10.23	19.26	21.12	20.73	19.97	20.79	21.31	21.68	22.20	23.70	23.57	24.54	
8	I	CAPITAL STOCK			62.10	62.07	61.92	61.94	62.01	62.16	62.31	62.68	63.05	63.50	64.01	64.58	
COMMUNICATIONS - 48																	
9	B	REAL OUTPUT			42.23	43.85	44.36	44.74	45.16	45.54	46.46	46.87	47.35	47.83	48.16	48.49	
10	H	% CHANGE, REAL OUTPUT			9.93	16.20	4.72	3.51	3.80	3.38	3.78	4.30	3.63	4.09	4.19	2.74	2.82
11	H	SECTION PRICE			115.45	114.31	116.99	117.63	118.29	118.87	119.34	119.80	120.24	121.61	122.76	123.95	125.18
12	H	% CHANGE, SECTION PRICE			2.55	3.00	2.36	2.21	2.26	1.99	1.59	1.53	1.88	4.65	3.81	3.95	4.02
13	B	REAL INVESTMENT, PLANT			10.61	11.35	12.15	12.88	13.55	14.07	14.50	14.89	15.17	15.39	15.55	15.60	15.58
14	B	% CHANGE, REAL INVEST			29.85	30.95	31.44	26.23	22.24	16.32	12.98	11.15	7.65	5.93	4.19	1.48	-0.73
15	I	USER COST OF CAPITAL			24.80	24.54	25.25	24.91	25.75	26.44	27.73	28.53	29.75	29.83	30.16	30.12	30.82
16	I	CAPITAL STOCK			100.04	101.06	102.25	103.60	105.09	106.69	108.36	110.10	111.87	113.67	115.47	117.26	119.01
UTILITIES - 49																	
17	B	REAL OUTPUT			27.61	29.92	30.04	30.18	30.40	30.63	30.85	31.12	31.42	31.75	32.09	32.34	32.66
18	H	% CHANGE, REAL OUTPUT			-15.99	37.85	1.75	1.75	3.07	3.00	2.93	3.58	3.82	4.25	4.46	3.10	4.01
19	H	SECTION PRICE			163.02	167.48	171.04	174.52	177.43	180.35	183.91	187.70	191.38	194.95	197.75	200.77	203.09
20	H	% CHANGE, SECTION PRICE			10.91	11.40	8.77	8.40	6.85	6.75	8.13	8.49	8.07	7.69	5.86	6.24	4.70
21	B	REAL INVESTMENT, PLANT			17.51	17.98	18.13	18.27	19.42	19.78	20.26	19.87	19.82	20.08	20.57	21.28	22.16
22	B	% CHANGE, REAL INVEST			-6.66	11.08	3.41	3.10	27.70	7.49	10.24	-7.60	-1.05	5.41	10.09	14.55	17.76
23	I	USER COST OF CAPITAL			9.61	9.85	10.00	9.88	10.03	10.18	10.34	10.53	10.70	11.40	13.21	15.45	17.58
24	I	CAPACITY UTILIZATION			85.17	86.21	86.36	86.81	87.27	87.67	88.02	88.35	88.63	88.89	89.14	89.29	89.45
25	I	CAPITAL STOCK			182.00	188.25	186.42	188.61	191.05	193.55	196.13	198.59	201.00	203.45	205.99	208.67	211.54
GENERAL REGULATED (TRANSPORTATION + UTILITIES)																	
26	B	MANHOURS			9.56	9.61	9.71	9.83	9.93	10.01	10.08	10.14	10.19	10.24	10.28	10.31	10.33
27	H	% CHANGE, MANHOURS			1.59	2.23	4.05	5.14	4.18	3.34	2.79	2.42	2.84	1.80	1.69	1.14	0.86
28	B	EMPLOYMENT			4.58	4.60	4.63	4.67	4.70	4.73	4.75	4.77	4.79	4.80	4.82	4.83	4.84
29	H	% CHANGE, EMPLOYMENT			2.06	1.52	3.13	3.23	2.69	2.18	1.89	1.71	1.50	1.39	1.37	0.93	0.72
30	I	AVERAGE WEEKLY HOURS			40.13	40.20	40.29	40.48	40.62	40.74	40.83	40.90	40.95	41.00	41.03	41.05	41.06
31	I	% CHANGE, AVG WEEKLY HOURS			-0.66	0.69	0.88	1.85	1.45	1.13	0.89	0.69	0.53	0.41	0.31	0.21	0.14
32	I	COMPENSATION (OF EMPLOY)			89.60	92.17	94.74	98.19	101.36	104.31	107.13	110.05	113.00	116.07	119.02	122.28	125.39
33	I	% CHANGE, COMP OF EMP			11.98	11.96	11.66	15.36	13.53	12.19	11.24	11.36	11.17	11.33	10.55	11.41	10.57
34	B	COMPENSATION PER MANHO			9.37	9.59	9.76	9.99	10.21	10.42	10.63	10.85	11.09	11.34	11.58	11.86	12.14
35	H	% CHANGE, COMP PER M			10.45	9.52	7.32	9.73	8.97	8.56	8.22	8.73	8.94	9.36	8.71	10.16	9.63

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

LINE VAR LABEL	I T E M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
MANUFACTURING DURABLES														
1	MALACTING D	231.02	230.55	230.19	241.28	245.08	248.08	250.96	253.64	195.62	207.15	217.60	229.19	243.16
2	XCHG	7.34	6.26	6.36	5.29	6.45	8.99	4.73	4.33	8.32	5.89	5.09	5.33	6.09
3	MALACTING D	27.03	27.26	27.49	27.70	27.92	28.12	28.30	28.45	28.63	25.46	26.23	26.98	27.81
4	XCHG	3.30	3.37	3.44	3.07	3.28	2.86	2.53	2.29	4.86	4.22	3.01	2.72	3.22
5	MALACTING D	12.74	12.88	12.94	13.04	13.14	13.23	13.32	13.40	11.97	11.91	12.34	12.69	13.09
6	XCHG	3.07	3.16	3.24	3.03	3.16	2.90	2.68	2.37	3.99	3.90	3.60	2.85	3.09
7	MALACTING D	40.81	40.88	40.86	40.86	40.87	40.87	40.86	40.86	40.96	41.09	40.86	40.81	40.66
8	XCHG	0.23	0.21	0.19	0.04	0.12	-0.03	-0.11	-0.17	0.83	0.31	-0.55	-0.13	0.13
9	MALACTING D	209.00	296.54	305.01	313.69	322.75	331.12	340.18	349.53	204.30	230.62	256.82	284.83	310.14
10	XCHG	12.19	10.84	11.93	11.08	12.06	10.79	11.93	11.32	15.61	12.69	11.01	11.25	11.69
11	MALACTING D	10.69	10.88	11.10	11.32	11.56	11.77	12.02	12.28	8.36	9.06	9.76	10.57	11.44
12	XCHG	0.60	0.23	0.21	0.50	0.50	0.70	0.66	0.92	0.33	0.52	0.76	0.51	0.21
13	MALACTING D	171.70	175.03	178.25	181.52	184.87	188.21	191.60	195.04	139.90	148.33	158.09	170.11	181.21
14	XCHG	8.14	7.78	7.57	7.55	7.57	7.44	7.40	7.37	5.21	6.02	6.58	7.61	7.70
15	MALACTING D	25.20	25.66	26.17	26.69	27.21	27.71	28.19	28.63	19.00	21.55	23.27	24.98	26.95
16	XCHG	7.58	7.49	8.21	8.08	8.13	7.88	7.16	6.80	12.34	12.97	7.98	7.36	7.85
17	MALACTING D	21.75	22.22	22.95	23.75	24.84	25.84	26.90	28.07	17.66	19.71	20.47	21.66	24.07
18	XCHG	91.16	91.65	92.14	92.43	92.95	93.22	93.84	93.57	87.84	88.88	89.77	90.90	92.69
19	MALACTING D	163.17	165.47	167.85	190.30	192.82	195.42	198.07	200.70	160.01	166.09	173.61	182.68	191.60
20	XCHG	143.33	144.59	145.61	146.53	148.00	149.08	149.07	150.65	127.05	131.74	137.68	142.68	147.31
21	MALACTING D	4.50	3.56	2.86	2.55	4.08	2.95	2.13	2.09	2.22	3.71	4.49	3.61	3.27
22	XCHG	17.17	17.19	17.20	17.19	17.20	17.19	17.20	17.19	16.84	16.87	17.03	17.16	17.20
23	MALACTING D	0.53	0.45	0.21	-0.04	0.15	0.01	-0.29	-0.51	2.69	1.38	0.98	0.75	0.24
24	XCHG	8.20	8.29	8.30	8.30	8.31	8.31	8.32	8.31	8.07	8.13	8.20	8.27	8.31
25	MALACTING D	0.66	0.60	0.44	0.25	0.33	0.22	0.01	-0.18	1.80	0.72	0.89	0.81	0.48
26	XCHG	39.09	39.07	39.05	39.82	39.81	39.78	39.75	39.72	39.63	39.89	39.92	39.90	39.82
27	MALACTING D	-0.13	-0.15	-0.22	-0.29	-0.18	-0.21	-0.30	-0.21	0.87	0.66	0.69	-0.06	-0.20
28	XCHG	140.80	151.20	154.63	156.75	159.76	162.91	166.50	168.00	116.77	126.29	136.01	147.09	158.52
29	MALACTING D	8.30	8.00	9.13	5.61	7.95	8.08	9.10	5.94	11.82	8.16	7.69	6.15	7.77
30	XCHG	0.64	0.80	0.99	0.99	0.99	0.99	0.99	0.99	7.02	7.49	7.99	8.57	9.22
31	MALACTING D	7.72	7.52	8.90	5.65	7.79	8.07	9.42	6.21	8.47	6.69	6.65	7.55	7.52
MANUFACTURING NONDURABLES														
32	MALACTING D	161.36	163.67	166.10	168.53	170.96	173.42	175.98	178.48	138.83	148.68	150.62	160.03	169.75
33	XCHG	6.39	5.85	6.07	5.98	5.98	5.98	6.05	5.79	5.36	4.21	4.11	6.25	6.07
34	MALACTING D	25.89	26.20	26.57	26.87	27.15	27.38	27.61	27.79	22.20	23.86	24.50	25.72	26.99
35	XCHG	5.72	5.59	5.21	4.56	4.14	3.54	3.32	2.63	7.28	5.68	4.44	4.97	4.96
36	MALACTING D	23.53	24.14	24.75	25.39	25.99	26.60	27.37	28.23	19.94	21.21	22.60	23.37	25.68
37	XCHG	94.11	94.06	93.88	93.68	93.70	93.58	93.34	93.18	93.68	94.22	94.81	94.13	93.71
38	MALACTING D	215.88	217.70	219.95	222.23	224.54	226.86	229.19	231.51	190.65	198.14	206.03	214.42	223.80
39	XCHG	161.36	163.67	166.10	168.53	170.96	173.42	175.98	178.48	138.83	148.68	150.62	160.03	169.75
40	MALACTING D	6.39	5.85	6.07	5.98	5.98	5.98	6.05	5.79	5.36	4.21	4.11	6.25	6.07
41	XCHG	25.89	26.20	26.57	26.87	27.15	27.38	27.61	27.79	22.20	23.86	24.50	25.72	26.99
42	MALACTING D	5.72	5.59	5.21	4.56	4.14	3.54	3.32	2.63	7.28	5.68	4.44	4.97	4.96
43	XCHG	23.53	24.14	24.75	25.39	25.99	26.60	27.37	28.23	19.94	21.21	22.60	23.37	25.68
44	MALACTING D	94.11	94.06	93.88	93.68	93.70	93.58	93.34	93.18	93.68	94.22	94.81	94.13	93.71
45	XCHG	215.88	217.70	219.95	222.23	224.54	226.86	229.19	231.51	190.65	198.14	206.03	214.42	223.80

THE W H A R T O N Q U A R T E R L Y M O D E L M A R K 4.6
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

LINE VAR LABEL	I T E M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	Mining													
2	XMG	25.12	25.15	25.20	25.16	25.10	25.00	24.89	24.851	20.83	23.46	24.54	25.07	25.11
3	XNG	1.12	0.56	0.68	-0.65	-0.74	-1.51	-1.75	-0.631	0.26	12.67	4.58	2.16	0.18
4	XMLTTC	2.16	2.15	2.14	2.13	2.11	2.09	2.07	2.051	1.93	2.10	2.17	2.17	2.12
5	XMLTTC	-1.39	-1.04	-2.09	-2.63	-3.05	-3.47	-3.79	-3.681	10.87	8.04	3.23	-0.18	-2.19
6	XNETTC	0.98	0.98	0.97	0.97	0.96	0.95	0.95	0.941	0.84	0.93	0.97	0.98	0.96
7	XNETTC	-0.57	-1.11	-1.50	-2.05	-2.50	-2.95	-3.32	-3.301	7.94	9.70	8.76	0.87	-1.54
8	XNETTC	42.51	42.43	42.37	42.30	42.28	42.19	42.13	42.111	43.94	43.64	43.00	42.56	42.27
9	XNETTC	-0.83	-0.73	-0.59	-0.50	-0.56	-0.54	-0.49	-0.271	2.73	-0.78	-1.46	-1.04	-0.67
10	XNETTC	25.09	25.40	25.76	26.11	26.42	26.67	26.96	27.271	17.58	20.77	23.08	24.85	26.24
11	XNETTC	6.85	5.11	5.70	5.50	4.96	3.82	4.33	4.801	17.58	19.14	10.95	7.83	5.62
12	XNETTC	11.59	11.79	12.02	12.26	12.51	12.74	13.00	13.271	9.09	9.87	10.61	11.46	12.38
13	XNETTC	8.36	7.08	7.96	8.35	8.27	7.56	8.44	8.761	6.07	8.55	7.51	8.04	7.99
14														
15	FXMG	405.90	414.70	434.00	442.50	451.10	459.80	461.20	490.501	237.11	294.95	340.37	403.85	446.85
16	FXNG	3.32	0.96	19.96	8.07	8.00	7.94	19.96	7.961	10.20	28.39	15.40	18.65	10.65
17	IANG	3.85	3.93	4.01	4.04	4.09	4.11	4.12	4.121	3.08	3.33	3.62	3.83	4.06
18	IANG	7.46	6.49	6.51	5.55	4.53	2.26	0.74	0.291	6.76	8.06	8.01	5.71	6.20
19	IANG	18.41	18.76	19.16	19.54	19.91	20.29	20.72	21.121	16.39	15.73	16.81	18.23	19.72
20	IANG	94.73	93.98	93.21	92.16	91.10	89.96	88.82	88.041	91.36	96.78	96.96	95.03	91.61
21	IANG	28.46	28.00	29.16	29.51	29.87	30.23	30.58	30.931	28.90	25.85	27.01	28.30	29.69
22														
23														
24														
25														
26														
27														
28	CONTRACT CONSTRUCTION													
29	XCC	62.49	62.81	63.19	63.63	64.15	64.67	65.10	65.461	59.30	61.59	61.56	62.37	63.91
30	XCC	2.02	2.03	2.09	2.77	3.35	3.23	2.70	2.261	9.72	3.86	-0.04	1.31	2.47
31	XCC	7.67	7.69	7.71	7.73	7.76	7.79	7.81	7.831	7.40	7.62	7.62	7.66	7.75
32	XCC	0.91	0.92	1.12	1.25	1.51	1.46	1.22	1.021	6.85	2.95	-0.02	0.59	1.11
33	XCC	4.17	4.19	4.22	4.24	4.26	4.29	4.31	4.341	3.83	3.97	4.06	4.16	4.25
34	XCC	2.29	2.29	2.30	2.32	2.34	2.37	2.38	2.391	6.49	3.72	2.38	2.30	2.31
35	XCC	35.36	35.26	35.16	35.06	34.99	34.92	34.82	34.701	37.10	36.91	36.05	35.45	35.03
36	XCC	-1.34	-1.34	-1.15	-1.04	-0.81	-0.89	-1.13	-1.331	0.33	-0.72	-2.34	-1.67	-1.17
37	XCC	85.43	87.33	89.71	91.94	94.40	96.88	99.73	102.291	62.23	71.73	77.14	84.39	93.23
38	XCC	10.11	9.21	11.35	10.55	11.11	10.96	12.30	10.661	14.14	15.25	7.55	9.40	10.47
39	XCC	11.14	11.36	11.64	11.89	12.16	12.44	12.77	13.061	8.40	9.42	10.13	11.02	12.03
40	XCC	9.11	8.22	10.12	8.98	9.45	9.37	10.95	9.541	6.70	12.07	7.56	8.75	9.25
41														
42														
43	PCC	179.20	182.32	184.21	189.55	192.98	196.48	200.82	204.611	182.08	158.59	168.80	177.84	191.31
44	PCC	7.74	7.18	8.82	7.36	7.44	7.45	9.12	7.781	5.86	8.84	6.60	7.67	7.82
45	IACH	22.10	22.55	23.02	23.47	23.91	24.20	24.43	24.581	16.25	18.51	20.50	21.89	23.65
46	IACH	4.85	8.83	8.65	8.05	7.61	5.85	5.75	2.591	7.34	13.91	10.75	6.77	8.05
47	IACH	24.85	25.61	26.37	27.07	27.69	28.31	28.96	29.641	17.67	20.00	21.88	24.46	27.36

THE WHARF QUARTERLY MODEL MARK 4.6
SPECIAL UNR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTION DETAIL

LINE VAR LABEL	I	I E M	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
FINANCE, INSURANCE, PEAL ESTATE															
2 XFI	B	REAL OUTPUT	239.12	241.23	243.15	244.91	247.07	248.80	250.26	251.72	209.07	220.04	229.28	237.92	243.98
3 XFI	B	% CHANGE, REAL OUTPUT	4.33	5.57	3.22	2.93	3.56	2.83	2.37	2.17	6.82	5.25	4.20	3.77	3.54
4 NMLTTSV	B	MANHOURS	9.08	10.00	10.13	10.25	10.39	10.52	10.65	10.79	8.58	8.94	9.34	9.62	10.32
5 NMLTTSV	B	% CHANGE, MANHOURS	5.04	5.12	5.16	5.14	5.23	5.23	5.21	5.11	4.29	4.25	4.63	4.93	5.15
6 NEETTSV	B	EMPLOYMENT	5.14	5.21	5.27	5.34	5.40	5.47	5.54	5.61	4.50	4.64	4.88	5.11	5.37
7 NEETTSV	B	% CHANGE, EMPLOYMENT	4.87	4.94	4.99	5.01	5.08	5.09	5.08	5.06	4.24	4.34	4.54	4.71	4.97
8 NHMPSV	I	AVERAGE WEEKLY HOURS	36.92	36.93	36.95	36.96	36.98	36.99	37.00	37.01	36.67	36.75	36.83	36.91	36.97
9 NHMPSV	I	% CHANGE, AVG WELY H	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.05	0.21	0.24	0.20	0.16
10 MRCFIS	I	COMPENSATION OF EMPLOY	80.35	91.20	94.19	97.21	100.39	103.73	107.17	110.70	61.92	68.53	76.86	87.04	98.88
11 MRCFIS	I	% CHANGE, COMP OF EMP	13.24	13.54	13.78	13.46	13.98	13.98	13.98	13.83	18.42	18.67	12.16	13.25	13.60
12 MRCFIS	B	COMPENSATION PER MANHO	8.95	9.12	9.30	9.48	9.67	9.86	10.06	10.26	7.22	7.66	8.21	8.66	9.58
13 MRCFIS	B	% CHANGE, COMP PER M	7.78	8.00	8.20	7.87	8.10	8.31	8.30	8.23	5.88	6.15	7.20	7.93	8.04
14															
15															
16 PXTI	H	SECTION PRICE	151.62	153.89	156.28	158.81	161.26	163.89	166.62	169.40	127.49	133.43	141.66	150.54	160.06
17 PXTI	H	% CHANGE, SECTION PRI	5.83	6.12	6.38	6.61	6.33	6.67	6.84	6.84	3.92	4.65	6.17	4.27	6.32
18 IACM	B	REAL INVESTMENT, PLANT	22.10	22.55	23.02	23.47	23.91	24.28	24.43	24.58	16.25	18.51	20.50	21.89	23.65
19 IACM	B	% CHANGE, INVEST, PL	9.15	8.43	8.65	8.95	7.61	5.95	3.75	2.59	7.34	13.91	10.75	6.77	8.05
20 UCKCM	I	USER COST OF CAPITAL	24.85	25.61	26.37	27.07	27.69	28.31	28.96	29.64	17.67	20.00	21.68	24.46	27.36
21															
22															
23															
24															
25															
SERVICES															
27 XSV	H	REAL OUTPUT	184.12	185.00	187.36	188.83	190.43	191.90	193.17	194.43	162.12	169.78	176.59	183.25	189.63
28 XSV	H	% CHANGE, REAL OUTPUT	4.05	3.70	3.30	3.17	3.44	3.12	2.67	2.65	6.47	4.72	4.01	3.77	3.48
29 NMLTTSV	B	MANHOURS	29.84	30.11	30.37	30.63	30.89	31.14	31.39	31.63	26.52	27.50	28.62	29.71	30.76
30 NMLTTSV	B	% CHANGE, MANHOURS	3.69	3.64	3.56	3.45	3.41	3.32	3.19	3.07	3.83	3.73	4.05	3.80	3.54
31 NMLTTSV	B	EMPLOYMENT	16.45	17.10	17.24	17.28	17.52	17.67	17.80	17.94	15.31	15.83	16.33	16.88	17.45
32 NMLTTSV	B	% CHANGE, EMPLOYMENT	3.42	3.83	3.80	3.34	3.32	3.24	3.15	3.04	4.56	3.35	3.19	3.38	3.38
33 NHMPSV	I	AVERAGE WEEKLY HOURS	33.85	33.87	33.88	33.89	33.90	33.90	33.91	33.91	33.42	33.70	33.84	33.84	33.84
34 NHMPSV	I	% CHANGE, AVG WELY H	0.26	0.20	0.15	0.11	0.08	0.05	0.04	0.03	-0.69	0.36	0.84	0.41	0.16
35 MRCFIS	I	COMPENSATION OF EMPLOY	234.54	240.59	247.01	254.08	261.53	268.87	276.25	283.66	167.59	187.16	208.22	231.35	257.87
36 MRCFIS	I	% CHANGE, COMP OF EMP	11.52	10.72	11.11	11.95	12.26	11.71	11.43	11.48	12.83	11.60	11.25	11.11	11.46
37 MRCFIS	B	COMPENSATION PER MANHO	7.86	7.99	8.13	8.29	8.47	8.63	8.80	8.98	6.32	6.80	7.27	7.79	8.38
38 MRCFIS	B	% CHANGE, COMP PER M	7.55	6.83	7.29	8.21	8.56	8.12	7.98	8.16	8.68	7.66	6.92	7.04	7.65
39															
40															
41 PXTV	B	SECTION PRICE	171.00	173.54	176.24	179.47	182.88	186.08	189.33	192.72	104.20	153.33	160.86	169.65	181.17
42 PXTV	B	% CHANGE, SECTION PRI	6.48	6.87	6.50	7.40	7.33	7.29	7.17	7.35	6.09	6.27	4.91	5.46	6.19
43 IACM	B	REAL INVESTMENT, PLANT	22.10	22.55	23.02	23.47	23.91	24.28	24.43	24.58	16.25	18.51	20.50	21.89	23.65
44 IACM	B	% CHANGE, INVEST, PL	9.15	8.43	8.65	8.95	7.61	5.95	3.75	2.59	7.34	13.91	10.75	6.77	8.05
45 UCKCM	I	USER COST OF CAPITAL	24.85	25.61	26.37	27.07	27.69	28.31	28.96	29.64	17.67	20.00	21.68	24.46	27.36

BEST AVAILABLE COPY

THE HARTUM QUARTERLY MODEL MARK 4.6
SPECIAL OMM FORECAST, OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

LINE VAR LABEL	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
WHOLESALE AND RETAIL TRADE												
1												
2 XMR	251.17	253.10	256.82	256.40	258.50	260.27	261.71	263.15	265.10	267.37	270.10	257.52
3 XMP	3.07	3.10	2.76	2.50	3.44	2.64	2.22	2.22	2.60	3.61	3.19	2.97
4 REAL OUTPUT	32.09	32.98	33.05	33.11	33.18	33.25	33.30	33.34	31.64	32.04	32.85	33.15
5 MANHRS	1.07	1.01	0.91	0.78	0.84	0.75	0.60	0.49	2.24	1.28	1.31	0.91
6 REAL INVEST, PLANT	19.39	19.47	19.54	19.61	19.67	19.74	19.79	19.84	18.26	18.63	19.00	19.64
7 REAL INVS	1.69	1.62	1.51	1.36	1.39	1.29	1.12	0.98	3.22	2.02	1.97	1.83
8 EMPLOYMENT	32.63	32.58	32.53	32.48	32.44	32.39	32.35	32.31	33.31	33.07	32.86	32.86
9 AVERAGE WEEKLY HOURS	-0.61	-0.60	-0.59	-0.57	-0.55	-0.53	-0.51	-0.49	-0.96	-0.72	-0.68	-0.63
10 COMPENSATION OF EMPLOY	247.27	252.30	257.63	262.62	268.02	273.53	279.13	284.55	192.93	208.86	225.52	244.90
11 COMPENSATION OF EMP	0.21	0.38	0.72	0.89	0.89	0.89	0.83	0.81	12.72	8.05	8.18	8.39
12 COMPENSATION PER MANHR	7.52	7.65	7.80	7.93	8.08	8.23	8.38	8.54	6.10	6.51	6.95	8.01
13 COMPENSATION PER M	7.06	7.30	7.74	7.13	7.50	7.60	7.78	7.88	10.27	6.68	6.78	7.32
14												
SECTION PRICE												
15												
16 PXR	171.64	173.55	175.50	177.50	179.67	181.87	184.22	186.61	146.96	158.45	161.94	178.64
17 PXR	5.04	4.52	4.57	4.75	4.88	4.99	5.26	5.31	6.75	5.10	4.85	5.28
18 IACM	22.10	22.55	23.02	23.47	23.91	24.20	24.43	24.58	16.25	18.51	20.50	21.89
19 IACM	9.15	8.43	8.65	8.85	9.05	9.25	9.45	9.65	7.34	13.91	10.75	8.05
20 UCKM	24.85	25.61	26.37	27.07	27.69	28.31	28.96	29.64	17.67	20.00	21.88	24.86
21												
22												
23												
24												
25												
AGRICULTURE												
26												
27 XAG	48.47	48.51	48.55	48.57	48.66	48.69	48.70	48.73	42.63	43.12	43.94	44.62
28 XAG	1.21	0.55	0.32	0.23	0.04	0.20	0.09	0.26	15.72	1.15	1.90	0.47
29 XAG	2.81	2.78	2.76	2.73	2.71	2.68	2.66	2.64	3.20	3.04	2.93	2.72
30 XAG	-3.54	-3.65	-3.63	-3.62	-3.60	-3.58	-3.51	-3.42	-2.93	-5.00	-3.72	-3.60
31 XAG	11.94	12.10	12.28	12.44	12.62	12.79	12.95	13.11	11.20	10.88	11.32	12.53
32 XAG	5.32	5.66	5.89	5.52	5.88	5.35	5.09	5.24	0.72	-2.84	4.07	5.57
33 XAG	4.25	4.35	4.45	4.56	4.66	4.77	4.87	4.98	3.50	3.58	3.87	4.61
34 XAG	9.18	9.67	9.86	9.47	9.70	9.22	8.91	8.97	12.03	2.27	6.09	8.79
35												
SECTION PRICE												
36												
37 XAG	145.71	149.85	149.74	152.11	153.20	157.11	156.96	157.41	136.73	133.00	134.34	144.95
38 XAG	0.17	11.84	-0.28	6.47	3.11	10.39	-0.38	6.39	-4.56	-2.73	1.80	5.60
39 XAG	10.12	10.15	10.19	10.22	10.24	10.24	10.23	10.19	9.90	9.77	10.00	10.22
40 XAG	2.34	1.51	1.45	1.20	0.83	-0.12	-0.55	-1.29	7.95	-1.29	2.37	0.86

BEST AVAILABLE COPY

THE W H A R T O N Q U A R T E R L Y M O D E L M A R K 4.6
SPECIAL OMR FORECAST OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

LINE VAR LABEL	I	E	U	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
REGULATED INDUSTRIES																
TRANSPORTATION																
4 XRGT	H	REAL OUTPUT	58.43	59.12	59.69	60.09	60.50	60.90	61.14	61.42	50.39	52.37	55.15	57.96	60.32	
5 XRGT	H	% CHANGE, REAL OUTPUT	6.83	4.84	3.91	2.72	3.24	2.15	1.60	1.83	2.65	3.93	5.32	5.09	4.07	
6 XRGT	H	SECTION PRICE	160.93	163.24	163.64	168.07	170.61	173.22	175.86	178.51	136.16	143.86	151.88	159.98	169.31	
7 XRGT	H	% CHANGE, SECTION PRICE	5.49	5.88	5.99	6.02	6.18	6.26	6.22	6.18	6.16	5.65	5.50	5.30	5.91	
8 XRGT	H	REAL INVESTMENT, PLANT	7.92	8.16	8.40	8.59	8.70	8.74	8.74	8.69	4.88	5.42	6.84	7.81	8.81	
9 XRGT	H	% CHANGE, REAL INVEST	12.10	12.85	17.19	9.29	4.99	2.04	-0.14	-1.93	-8.53	11.15	22.62	17.89	10.25	
10 XRGT	I	USER COST OF CAPITAL	25.27	25.90	26.73	27.57	28.25	28.90	29.65	30.43	19.04	20.20	22.22	24.02	27.06	
11 XRGT	I	CAPITAL STOCK	65.19	65.84	66.54	67.27	68.01	68.75	69.47	70.16	62.13	62.01	62.90	64.91	67.84	
COMMUNICATIONS - 4R																
14 XRGT	H	REAL OUTPUT	49.01	49.42	49.79	50.13	50.62	50.97	51.20	51.59	42.92	45.35	47.13	48.77	50.30	
15 XRGT	H	% CHANGE, REAL OUTPUT	4.34	3.36	3.02	2.81	3.91	2.84	2.44	2.88	9.80	5.66	3.92	3.44	3.29	
16 XRGT	H	SECTION PRICE	126.46	127.80	129.22	130.68	132.20	133.75	135.34	136.94	115.87	118.53	121.10	125.85	131.96	
17 XRGT	H	% CHANGE, SECTION PRICE	4.15	4.30	4.53	4.68	4.73	4.78	4.84	4.81	1.85	2.30	2.17	3.92	4.86	
18 XRGT	H	REAL INVESTMENT, PLANT	15.53	15.45	15.42	15.41	15.41	15.38	15.33	15.27	11.82	13.75	15.25	15.54	15.40	
19 XRGT	H	% CHANGE, REAL INVEST	-1.11	-2.05	-0.88	-0.23	-0.11	-0.61	-1.23	-1.59	15.14	24.00	10.91	1.92	-0.89	
20 XRGT	I	USER COST OF CAPITAL	31.41	32.01	32.67	33.37	33.95	34.52	35.20	34.91	24.95	26.26	29.57	31.09	33.63	
21 XRGT	I	CAPITAL STOCK	120.71	122.37	123.99	125.57	127.13	128.66	130.14	131.59	100.64	105.94	112.78	119.88	126.34	
UTILITIES - 49																
24 XRGT	H	REAL OUTPUT	33.06	33.40	33.72	34.04	34.43	34.75	35.04	35.35	29.10	30.52	31.60	32.67	34.23	
25 XRGT	H	% CHANGE, REAL OUTPUT	5.02	4.15	3.86	3.86	4.71	3.77	3.38	3.62	1.26	4.86	3.54	4.02	4.17	
26 XRGT	H	SECTION PRICE	205.93	208.84	211.72	214.70	217.81	221.20	224.99	229.18	165.10	179.05	192.98	204.65	216.36	
27 XRGT	H	% CHANGE, SECTION PRICE	5.72	5.77	5.65	5.75	5.91	6.38	7.03	7.66	13.16	8.45	7.76	6.07	5.72	
28 XRGT	H	REAL INVESTMENT, PLANT	23.07	23.99	25.05	26.22	27.50	28.79	30.02	31.19	17.85	19.43	20.88	22.62	26.89	
29 XRGT	H	% CHANGE, REAL INVEST	17.38	16.85	19.02	19.98	20.91	20.28	18.07	15.28	11.43	8.05	3.34	12.66	18.86	
30 XRGT	I	USER COST OF CAPITAL	19.13	20.45	21.83	23.04	24.04	24.93	25.64	26.06	9.74	10.11	11.46	18.15	23.46	
31 XRGT	I	CAPACITY UTILIZATION	89.60	89.63	89.56	89.40	89.10	88.81	88.32	87.75	86.43	87.44	88.75	89.49	89.24	
32 XRGT	I	CAPITAL STOCK	218.59	217.83	221.30	225.01	228.99	233.24	237.74	242.45	183.18	192.33	202.26	213.16	227.14	
GENERAL REGULATED (TRANSPORTATION + UTILITIES)																
35	H	MANHOURS	10.36	10.38	10.39	10.39	10.39	10.38	10.36	10.32	9.60	9.96	10.21	10.35	10.39	
36	H	% CHANGE, MANHOURS	0.95	0.78	0.87	0.87	-0.09	-0.46	-0.88	-1.19	2.61	3.78	2.52	1.29	0.81	
37	H	EMPLOYMENT	4.05	4.06	4.06	4.06	4.06	4.06	4.05	4.04	4.59	4.71	4.79	4.84	4.86	
38	H	% CHANGE, EMPLOYMENT	0.89	0.72	0.88	0.16	0.01	-0.34	-0.75	-1.05	1.83	2.61	1.76	1.05	0.32	
39	I	AVERAGE WEEKLY HOURS	41.07	41.08	41.12	41.11	41.10	41.09	41.07	41.06	40.21	40.67	40.97	41.07	41.10	
40	I	% CHANGE, AVG WEEKLY HOURS	0.11	0.06	0.38	-0.09	-0.10	-0.14	-0.14	-0.15	8.77	1.14	0.74	0.24	0.09	
41	I	COMPENSATION (IF EMPLOY)	128.45	131.58	134.75	137.81	140.96	144.06	147.20	150.15	90.90	102.75	114.54	126.92	139.39	
42	I	% CHANGE, COMP OF EMP	10.11	9.96	10.15	9.38	9.44	9.10	9.01	8.26	11.95	13.03	11.48	10.81	9.83	
43	I	COMPENSATION PER MANHOUR	12.40	12.67	12.97	13.26	13.57	13.88	14.21	14.54	9.47	10.31	11.21	12.27	13.42	
44	H	% CHANGE, COMP PER M	9.02	9.11	9.64	9.31	9.54	9.61	9.98	9.57	9.09	8.91	8.75	9.41	9.39	

THE WHARTON QUARTERLY MODEL MARK 4,6
SPECIAL QNR FORECAST: OCTOBER 1977

TABLE 20.00 INDUSTRIAL SECTOR DETAIL

LINE VAR LABEL	ITEM	1980,3	1980,4	1981,1	1981,2	1981,3	1981,4	1982,1	1982,2	1977	1978	1979	1980	1981
1	GOVERNMENT													
2	XGV	174.07	175.16	176.05	177.74	178.82	179.67	180.53	181.64	92	167.42	170.63	173.78	177.37
3	XGV	1.76	2.53	1.99	1.96	1.95	1.92	1.91	1.91	0.79	1.52	1.42	1.05	2.06
4	X CHANGE, REAL OUTPUT	34.07	34.28	34.49	34.69	35.11	35.32	35.53	35.59	31.59	32.49	33.24	33.90	34.80
5	X CHANGE, MANHOURS	2.23	2.46	2.45	2.42	2.40	2.39	2.38	2.38	1.63	2.03	2.32	2.22	2.40
6	X CHANGE, FEDERAL EMPLOYMENT	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	0.00	0.00	0.00	0.00	0.00
7	X CHANGE, STATE & LOCAL EMPLOYMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-0.07	0.00	0.00	0.00
8	X CHANGE, EMPLOYMENT, STATE & LOCAL	13.66	13.76	13.66	13.96	14.06	14.16	14.36	14.36	12.47	12.90	13.26	13.62	14.01
9	X CHANGE, EMPLOYMENT, AVERAGE WEEKLY HOURS	2.68	2.96	2.94	2.92	2.90	2.88	2.85	2.83	2.08	3.47	2.81	2.68	2.88
10	X CHANGE, EMPLOYMENT, AVERAGE WEEKLY HOURS	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
11	X CHANGE, EMPLOYMENT, AVERAGE WEEKLY HOURS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	X CHANGE, EMPLOYMENT, AVERAGE WEEKLY HOURS	288.89	297.71	301.25	308.80	314.63	318.22	321.84	323.91	240.61	240.61	266.35	284.74	304.60
13	X CHANGE, COMP OF EMPLOY	4.80	4.90	4.90	4.84	4.61	4.65	4.62	4.62	7.46	7.67	7.13	6.90	6.98
14	X CHANGE, COMP OF EMPLOY	17.80	19.10	19.20	19.40	20.00	20.90	21.00	21.00	13.79	15.10	16.52	18.05	19.67
15	X CHANGE, COMP PER M	2.28	32.57	2.11	2.10	2.09	32.14	1.94	1.93	7.79	9.52	9.44	9.23	9.00
16	X CHANGE, COMP PER M	12.40	12.50	12.60	12.70	12.80	12.90	13.00	13.10	11.15	11.55	11.95	12.35	12.75
17	X CHANGE, COMP PER M	3.29	3.26	3.24	3.21	3.19	3.16	3.14	3.11	5.35	3.61	3.46	3.35	3.24
18	X CHANGE, COMP PER M	169.00	173.56	175.04	176.53	178.02	182.01	184.31	185.82	142.58	151.74	160.25	169.03	178.10
19	X CHANGE, SEC PRICE, T	3.58	11.24	3.45	3.44	3.44	3.44	3.44	3.44	7.29	6.44	5.59	5.40	5.16

BEST AVAILABLE COPY

THE MARTIN QUARTERLY MODEL MARK 4.6
SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 21.00 FMB INDUSTRIAL PRODUCTION INDICES

LINE VAR LABEL	ITEM	1977.2	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	IP	137.01	137.0	139.6	141.4	143.4	145.1	146.8	148.5	150.2	151.9	153.6	155.2	156.8
2	IP	10.571	2.45	5.23	5.24	5.75	4.95	4.73	4.72	4.57	4.55	4.67	4.24	4.05
3	IPNF	130.01	130.0	139.0	141.6	143.6	145.4	147.2	149.0	150.8	152.5	154.4	156.1	157.7
4	IPNF	11.701	3.42	5.24	5.28	5.94	5.12	4.94	4.97	4.80	4.78	4.94	4.48	4.27
5	IPNF	129.21	131.1	133.2	135.3	137.6	139.6	141.4	143.2	144.9	146.6	148.4	150.1	151.8
6	IPNF	15.231	5.81	6.63	6.39	7.09	5.89	5.38	5.07	4.85	4.81	5.00	4.63	4.63
7	IPNF	147.91	148.0	149.2	150.7	152.3	153.9	155.5	157.4	159.2	161.0	163.0	164.7	166.2
8	IPNF	7.651	0.00	3.49	3.06	4.47	4.12	4.37	4.64	4.73	4.74	4.87	4.27	3.78
9	IPNF	137.21	136.8	138.5	140.2	141.6	142.9	144.0	145.1	146.1	147.1	148.0	148.9	149.8
10	IPNF	0.001	-1.29	5.09	4.99	4.29	3.66	3.15	2.86	2.83	2.79	2.59	2.45	2.39
11	IPNF	120.41	116.5	117.7	118.7	119.3	119.5	119.5	119.2	118.9	118.6	118.2	117.6	117.0
12	IPNF	13.821	-12.37	4.21	3.32	1.99	0.76	-0.09	-0.77	-0.95	-1.07	-1.51	-1.90	-2.09
13	IPNF	155.91	154.3	161.6	164.1	166.6	169.0	171.4	173.8	176.3	178.8	181.3	183.8	186.4
14	IPNF	-8.951	9.01	5.81	6.36	6.17	6.02	5.76	5.76	5.79	5.76	5.70	5.70	5.67

A PRODUCT OF MARTIN E.F.A., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.
THE MARTIN QUARTERLY MODEL MARK 4.6
SPECIAL ONR FORECAST: OCTOBER 1977

TABLE 21.00 FMB INDUSTRIAL PRODUCTION INDICES

LINE VAR LABEL	ITEM	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2	1977	1978	1979	1980	1981
1	IP	158.6	160.4	162.2	163.9	165.0	167.5	169.1	170.61	137.0	148.2	151.0	157.7	164.9
2	IP	4.69	4.71	4.65	4.30	4.54	4.21	3.85	3.531	5.57	5.23	4.76	4.43	4.52
3	IPNF	159.7	161.6	163.6	165.4	167.4	169.2	170.9	172.51	136.9	148.5	151.7	158.8	166.4
4	IPNF	5.01	5.03	4.96	4.56	4.84	4.47	4.07	3.711	5.74	5.50	4.99	4.68	4.81
5	IPNF	153.9	156.1	158.4	160.5	162.8	164.9	166.9	168.71	129.6	138.5	145.8	153.0	161.7
6	IPNF	5.73	5.84	5.94	5.50	5.74	5.26	4.86	4.461	6.49	6.08	5.27	4.95	5.67
7	IPNF	167.9	169.5	171.1	172.5	174.0	175.4	176.7	177.91	147.6	157.1	160.1	167.1	173.2
8	IPNF	4.06	3.98	3.66	3.33	3.58	3.41	3.01	2.701	4.77	3.72	4.61	4.33	3.69
9	IPNF	150.7	151.5	152.4	153.2	154.0	154.9	155.7	156.51	133.3	142.2	148.6	150.2	153.6
10	IPNF	2.29	2.28	2.27	2.24	2.20	2.14	2.08	2.121	4.35	3.54	3.07	2.50	2.26
11	IPNF	116.3	115.6	114.0	114.0	113.2	112.3	111.3	110.41	113.8	119.2	118.7	116.6	113.6
12	IPNF	-2.28	-2.86	-2.57	-2.79	-2.96	-3.14	-3.27	-3.211	3.13	1.21	-0.40	-1.78	-2.61
13	IPNF	188.9	191.5	194.2	196.8	199.6	202.3	205.0	207.71	159.1	167.8	177.6	187.7	198.2
14	IPNF	5.58	5.63	5.62	5.66	5.63	5.57	5.50	5.451	5.35	5.45	5.82	5.69	5.63

A PRODUCT OF MARTIN E.F.A., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE WASHINGTON QUARTERLY MODEL MARK 4.6
SPECIAL ONR FORECAST, OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	CCATS	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2	CCATF165+43	0.19	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
3	CCADAP+VU	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
4	CCEDAVND	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
5	CCEDAVR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	CCEDAVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	CCEDF	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
8	CCEDU	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
9	CCFIC	-0.30	0.0	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
10	CCFNC	0.40	1.00	1.30	1.60	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
11	CCFNG	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
12	CCFNU+H	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10
13	CCFSM	1.35	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	CCFSU	2.80	2.40	1.90	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
15	CCFSV	3.00	2.00	1.50	1.20	1.00	0.90	0.90	0.90	0.90	0.90	0.90	0.90
16	CCFST	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
17	CCFTRDF16015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	CCFTRDF16016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	CCFTRDF16017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	CCFTRDF16018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	CCFTRDF16019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	CCFTRDF16020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	CCFTRDF16021	0.40	0.30	0.20	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	CCFTRDF16022	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
25	CCFTRDF16023	1.40	0.70	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	CCFTRDF16024	-2.10	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
27	CCFTRDF16025	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
28	CCFTRDF16026	0.20	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80	-0.80
29	CCFTRDF16027	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
30	CCFTRDF16028	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40
31	CCFTRDF16029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	CCFTRDF16030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	CCFTRDF16031	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
34	CCFTRDF16032	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
35	CCFTRDF16033	-7.00	-6.40	-6.40	-6.75	-6.75	-6.75	-6.75	-6.75	-6.75	-6.75	-6.75	-6.75
36	CCFTRDF16034	0.23	0.45	0.58	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
37	CCFTRDF16035	0.45	0.53	0.55	0.58	0.64	0.71	0.77	0.84	0.84	0.84	0.84	0.84
38	CCFTRDF16036	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
39	CCFTRDF16037	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
40	CCFTRDF16038	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14
41	CCFTRDF16039	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
42	CCFTRDF16040	0.24	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
43	CCFTRDF16041	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
44	CCFTRDF16042	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
45	CCFTRDF16043	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
46	CCFTRDF16044	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
47	CCFTRDF16045	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40
48	CCFTRDF16046	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
49	CCFTRDF16047	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
50	CCFTRDF16048	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

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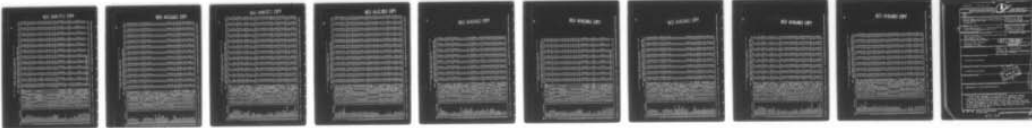
WHARTON ECONOMETRIC FORECASTING ASSOCIATES PHILADELPH--ETC F/G 5/3
INTERIM REPORT FOR OFFICE OF NAVAL RESEARCH. VOLUME II, (U)
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THE MARTIN QUARTERLY MODEL MARK 4,6
SPECIAL INR FORECAST, OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	ITEM	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	IANGC4R	I INVEST, NEW P&E, COMMON	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
2	IARGT	I INVEST, NEW P&E, TRANSP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	IARGH9	I INVEST, NEW P&E, UTILTY	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
4	IACH48	I COMMERCIAL+COMM 1ST ANT.	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
5	IACH48S	I COMMERCIAL+COMM 2ND ANT.	39.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	IACZ48	I COMMERCIAL+COMM 1ST ANT.	-9.60	-10.60	-11.60	-12.10	-12.10	-13.10	-13.60	-14.10	-14.10	-15.10	-15.10	-15.10
7	IACZ48S	I COMMERCIAL+COMM 2ND ANT.	30.14	30.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	IAMFD	I MANUF DUR. 1ST ANT.	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
9	IAMFDS	I MANUF DUR. 2ND ANT.	27.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	IAMFUD	I MANUF DUR. 2ND ANT.	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
11	IAMFUS	I MANUF DUR. 2ND ANT.	20.30	29.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	IAMFN	I MANUF, NONDURABLES 1ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	IAMFNS	I MANUF, NONDURABLES 1ST	33.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	IAMFN2	I MANUF, NONDURABLES 2ND	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
15	IAMFN2S	I MANUF, NONDURABLES 2ND	33.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	IAMG	I MIXING 1ST ANT.	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
17	IAMG2	I MIXING 2ND ANT.	4.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	IAMG3	I MIXING 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	IAMG4	I MIXING 2ND ANT.	4.54	4.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	IAMG5	I MIXING 2ND ANT.	-2.70	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65
21	IAMG1S	I REGULATED 1ST ANT.	6.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	IAMG1S2	I REGULATED 2ND ANT.	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60	-2.60
23	IAMG1S3	I REGULATED 2ND ANT.	6.60	6.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	IAMG1S4	I UTILITIES 1ST ANT.	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
25	IAMG1S5	I UTILITIES 1ST ANT.	26.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	IAMG1S6	I UTILITIES 2ND ANT.	-11.00	-11.50	-12.00	-12.50	-13.00	-13.50	-14.00	-14.50	-15.00	-15.50	-16.00	-16.50
27	IAMG1S7	I UTILITIES 2ND ANT.	25.72	27.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	IAMG1S8	I INVEST, RIF-UNRESEC/NIA 1	-0.60	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
29	IAMG1S9	I FIX INVEST NUMRES, PD DU	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	IAMG1S10	I FIXES INVEST, RES STRUCT	3.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
31	IAMG1S11	I CHANGE-BUS INVENTORIES,	0.30	9.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
32	IAMG1S12	I CHANGE-DEALERS' AUTO IN	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
33	IAMG1S13	I INV PRD, TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	IAMG1S14	I INV PRD, MANUFACTURING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	IAMG1S15	I INV PRD, DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	IAMG1S16	I INV PRD, MANUF, DURABLES	0.0	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
37	IAMG1S17	I INV PRD, MANUF, INKINDRAU	-1.75	-0.75	-0.50	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
38	IAMG1S18	I INV PRD, MINING	-2.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	IAMG1S19	I INV PRD, MINING & UTIL.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	IAMG1S20	I INV PRD, UTILITIES	-0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	IAMG1S21	I INVENTORY VAL ADJ, ALL I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	IAMG1S22	I OTHER NONFARA INVENTORY	-0.20	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	IAMG1S23	I NONFARA INVENTORY	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
44	IAMG1S24	I DURABLES INVENTORY	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
45	IAMG1S25	I NON VAL FINISHED PROD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	IAMG1S26	I NON VAL FINISHED PROD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	IAMG1S27	I NON VAL WATER, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	IAMG1S28	I NON VAL WATER, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	IAMG1S29	I NON VAL WIPK PRD, DUN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	IAMG1S30	I NON VAL WIPK PRD, DUN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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THE WHARTON QUARTERLY MODEL MARK 4,6
SPECIAL QMR FORECAST: OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	ITEM	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	MEETTC	EMP-MINING PAY, CONTR CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	MEETFI	EMP-MINING PAY, FIN, INSR	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
3	MEETMF	EMP-MINING PAYROLLS, DUM	-0.12	-0.08	-0.06	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
4	MEETMH	EMP-MINING PAYROLLS, MONDU	0.02	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
5	MEETMG	EMP-MINING PAYROLLS, MTH	0.05	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
6	MEETTR	EMP-MINING PAYROLLS, REGU	0.04	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
7	MEETTS	EMP-MINING PAYROLLS, SEM	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
8	MEETTP	EMP-MINING PAYROLLS, AHUL	0.22	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
9	MEHA	LABOR FEE, CIV, AGRIC, I	0.56	0.53	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
10	MLC	TOTAL LABOR FORCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	MLT	MINING, CONTRACT CUN	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
12	MLTTC	MINING, FIN, INS & RE	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
13	MLTTFI	MINING, DURABLE MANUFA	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
14	MLTFM	MINING, NONDUR MANUFA	-0.42	-0.38	-0.34	-0.30	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
15	MLTFM	MINING, MINING INDUSTR	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
16	MLTFM	MINING, SERVICES	0.23	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
17	MLTFM	MINING, WHOLESALE	0.11	0.16	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
18	MLTFM	MINING, EMPLOYMENT RATE	-0.10	0.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
19	MLTFM	MINING, UNEMPLOYMENT RATE	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
20	MRUT	NEW ORDERS NONDEFENSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	MRUTM25.54	NEW ORDERS HOUSE DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	MRUTM25.54	OTHER NEW DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	MRUTM25.54	SHIP MANUFACT DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	MRUTM25.54	SHIP TRANSPORT EQUIP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MRUTM25.54	SHIP MFG DURABLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A PRODUCT OF WHARTON F.A., 4025 CHESTNUT ST., PHILA., PA 19104. WRITTEN PERMISSION MUST BE OBTAINED FOR SECONDARY DISTRIBUTION.

THE WHARTON QUANTILELY MODEL MARK 4,6
SPECIAL IAHN FORECAST: OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	I	F	H	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2	
1	PDIMFR	M	IMPL	DEFL.FIX	INVNT	MES	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
2	PDIMFR1	M	IMPL	DEFL.FIX	INVNT	NONF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	POMIDIA	I	INVENTORY	DEFLATION	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	POMIDIA1	I	INVENTORY	DEFLATION	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	PDIMINFR	M	IMPL	DEFL	INVENTORY	---	-2.00	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
6	PDIMINFR1	M	IMPL	DEFL	INVENTORY	---	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	PDIMICFR	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	PDIMICFR1	M	IMPL	DEFL	INVENTORY	---	-1.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
9	PDIMICVFR	M	IMPL	DEFL	INVENTORY	---	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
10	PDIMICVFR1	M	IMPL	DEFL	INVENTORY	---	6.30	7.10	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70
11	PDIMICVFR2	M	IMPL	DEFL	INVENTORY	---	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
12	PDIMICVFR3	M	IMPL	DEFL	INVENTORY	---	15.00	12.00	9.00	6.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	PDIMICVFR4	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	PDIMICVFR5	M	IMPL	DEFL	INVENTORY	---	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
15	PDIMICVFR6	M	IMPL	DEFL	INVENTORY	---	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
16	PDIMICVFR7	M	IMPL	DEFL	INVENTORY	---	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
17	PDIMICVFR8	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	PDIMICVFR9	M	IMPL	DEFL	INVENTORY	---	0.40	-0.50	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
19	PDIMICVFR10	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	PDIMICVFR11	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	PDIMICVFR12	M	IMPL	DEFL	INVENTORY	---	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61	-21.61
22	PDIMICVFR13	M	IMPL	DEFL	INVENTORY	---	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
23	PDIMICVFR14	M	IMPL	DEFL	INVENTORY	---	1.10	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
24	PDIMICVFR15	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	PDIMICVFR16	M	IMPL	DEFL	INVENTORY	---	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
26	PDIMICVFR17	M	IMPL	DEFL	INVENTORY	---	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
27	PDIMICVFR18	M	IMPL	DEFL	INVENTORY	---	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
28	PDIMICVFR19	M	IMPL	DEFL	INVENTORY	---	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
29	PDIMICVFR20	M	IMPL	DEFL	INVENTORY	---	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
30	PDIMICVFR21	M	IMPL	DEFL	INVENTORY	---	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
31	PDIMICVFR22	M	IMPL	DEFL	INVENTORY	---	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
32	PDIMICVFR23	M	IMPL	DEFL	INVENTORY	---	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	PDIMICVFR24	M	IMPL	DEFL	INVENTORY	---	9.10	9.20	10.00	9.90	10.00	10.00	10.00	10.00	10.00	10.00	10.00
34	PDIMICVFR25	M	IMPL	DEFL	INVENTORY	---	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
35	PDIMICVFR26	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	PDIMICVFR27	M	IMPL	DEFL	INVENTORY	---	0.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
37	PDIMICVFR28	M	IMPL	DEFL	INVENTORY	---	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
38	PDIMICVFR29	M	IMPL	DEFL	INVENTORY	---	10.70	10.70	10.70	10.70	10.70	10.70	10.70	10.70	10.70	10.70	10.70
39	PDIMICVFR30	M	IMPL	DEFL	INVENTORY	---	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
40	PDIMICVFR31	M	IMPL	DEFL	INVENTORY	---	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
41	PDIMICVFR32	M	IMPL	DEFL	INVENTORY	---	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
42	PDIMICVFR33	M	IMPL	DEFL	INVENTORY	---	2.40	2.15	1.90	1.65	1.40	1.40	1.40	1.40	1.40	1.40	1.40
43	PDIMICVFR34	M	IMPL	DEFL	INVENTORY	---	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
44	PDIMICVFR35	M	IMPL	DEFL	INVENTORY	---	-10.70	-15.30	-15.90	-16.50	-17.10	-17.80	-18.70	-19.10	-19.50	-19.90	-20.30
45	PDIMICVFR36	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	PDIMICVFR37	M	IMPL	DEFL	INVENTORY	---	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
47	PDIMICVFR38	M	IMPL	DEFL	INVENTORY	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	PDIMICVFR39	M	IMPL	DEFL	INVENTORY	---	9.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
49	PDIMICVFR40	M	IMPL	DEFL	INVENTORY	---	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50	PDIMICVFR41	M	IMPL	DEFL	INVENTORY	---	11.50	11.00	10.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00

THE NARRIUM QUARTERLY MODEL NAME 8.0
SPECIAL GMR FORECASTS: OCTOBER 1977

TABLE 27.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAN LABEL	J T E H	1977.3	1977.4	1978.1	1978.2	1978.3	1978.4	1979.1	1979.2	1979.3	1979.4	1980.1	1980.2
1	TRGSP3	H SALINE RCPTS, TPAN PAY TO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	TRGSP4	H SALINE RCPTS, INSUR. PAYMENTS	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
3	TRGSP5	H GAS TAX COLLECTIONS----	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
4	TRGSP6	H IMP MS TAX/IN TR AC-OIL	-0.30	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
5	TRGSP7	H FISH HS TAX ACCN, PROP Y	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
6	TRGSP8	H STATE & LOCAL GAS TAXES	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
7	TRGSP9	H STATE/DC LTO & TOB TAX	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
8	TRGSP10	H FED GOV RCPTS, CORP, PHE	-5.10	-5.13	-5.13	-5.13	-5.13	-5.04	-5.04	-5.04	-5.04	-5.04	-5.04	-5.04
9	TRGSP11	H SALINE RCPTS, CORP PROFIT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	TRGSP12	H FED GOV RCPTS, PENS TARM	-5.00	-13.90	-15.20	-16.00	-16.30	-16.20	-16.00	-15.79	-15.50	-15.15	-14.85	-14.55
11	TRGSP13	H SALINE RCPTS, PERS TAXEND	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
12	TRGSP14	H FED GOV RCPTS, COMING-SH	2.00	0.50	0.90	0.45	0.50	0.75	-2.35	-0.15	-0.10	-0.05	-0.10	-0.75
13	TRGSP15	H SALINE RCPTS, CUMIN IN FUN	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
14	TRGSP16	H TAX, FED INCOME, TOT DE	47.00	48.00	49.00	50.00	51.00	52.00	53.00	54.00	55.00	56.00	57.00	58.00
15	TRGSP17	H TAX, FED INCOME, WEXEMP	12.09	12.11	12.14	12.16	12.19	12.21	12.24	12.26	12.29	12.31	12.34	12.36
16	TRGSP18	H TAXABLE INCOME- 1ST BRA	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
17	TRGSP19	H TAXABLE INCOME- 2ND BRA	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
18	TRGSP20	H TAXABLE INCOME- 3RD BRA	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
19	TRGSP21	H TAXABLE INCOME- 4TH BRA	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
20	TRGSP22	H TAXABLE INCOME- 5TH BRA	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
21	TRGSP23	H TAXABLE INCOME- 6TH BRA	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
22	TRGSP24	H TAXABLE INCOME- 7TH BRA	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
23	TRGSP25	H TAXABLE INC-8 & 9TH BRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	WRCG26	H WAGE PER MAN, AGRICULTU	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
25	WRCG27	H WAGE RATE, CONTRACT CUN	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
26	WRCG28	H WAGE RATE, FIM, INSUREAL	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
27	WRCG29	H WAGE RATE, MANUF, DURAB	0.00	0.10	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
28	WRCG30	H WAGE RATE, NONDUR MANUF	-0.01	-0.03	-0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
29	WRCG31	H WAGE RATE, MINING-----	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
30	WRCG32	H WAGE RATE, REGULATED IN	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
31	WRCG33	H WAGE RATE, SERVICES----	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
32	WRCG34	H WAGE RATE, WHRETAIL T	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
33	WRCG35	H OUTPUT ORIG, AGRICULTU	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
34	WRCG36	H OUTPUT ORIG, FINANCIAL-	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
35	WRCG37	H OUTPUT ORIG, MANUF DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	WRCG38	H OUTPUT ORIG, MANUF, MIN	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20
37	WRCG39	H OUTPUT ORIG, MINING, MIN	-0.08	0.58	1.08	1.08	1.05	1.05	1.15	1.17	1.17	1.11	1.11	1.11
38	WRCG40	H OUTPUT ORIG, COMMUNICAT	1.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
39	WRCG41	H OUTPUT ORIG, TRANSPORTA	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
40	WRCG42	H OUTPUT ORIG, UTILITIES--	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
41	WRCG43	H OUTPUT ORIG, SERVICES--	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	WRCG44	H OUTPUT ORIG, WHOLESALE,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	WRCG45	H DIVIDENDS, TOTAL-----	0.60	0.24	0.14	0.04	0.0	0.0	0.50	1.20	1.60	2.00	1.90	1.10
44	WRCG46	H PROPRIETORS' INCOME, BUS	-2.60	-3.30	-4.00	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60
45	WRCG47	H PROPRIETORS' INCOME, FA	-3.20	-2.30	-0.90	-0.60	-1.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.10
46	WRCG48	H NET INTEREST, NATL INC	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
47	WRCG49	H INCORP, INVEST PO BY C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	WRCG50	H FED GOV EXPEND, NET INTE	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
49	WRCG51	H MENTAL INCOME OF PERSUM	12.20	11.90	11.70	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60

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TIME W H A R T I U M Q U A R T E R L Y M O D E L M A P A 4,6
SPECIAL UMR FORECAST: OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	ITEM	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2
1	CCATS	B CAP CUMS ALLOW, ALL IND	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2	CCATFIS+65	B CAP CUMS ALLOW, REAL ES	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
3	CCDAPVH	B PCE, USE AUTOS, PARTS	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
4	CCEDAVND	B PCE, DOMESTIC AUTOS	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
5	CCEDAVN	B PCE, RECREATIONAL VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	CCEDAVI	B PCE, NEW & USED TRUCKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	CCEDI	B PCE, FURNITURE & HOUSEH	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
8	CCEDI	B PERS CUMS EXPND, OTHER	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
9	CEHC	B PCE, CLOTHING & SHOES	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
10	CEHF	B PCE, FOOD & BEVERAGES	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
11	CEHG	B PCE, GASOLINE & OIL	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
12	CENHIN	B PCE, OTHER NONDURABLES	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10
13	CESM	B PCE, SERVICES, HOUSEH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	CESU	B PCE, OTHER SERVICES	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
15	CESS	B PCE, SERV, HSEHOLD OPERAT	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
16	CEST	B PCE, SERVICES, TRANSPORT	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
17	CEPMPF16013	B COMP PROF & IVA FED RES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	CUMIP	B CAP UTIL MFR/MAN/UTIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	CUMIPNF	B CAP UTIL MANUF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	CUMIPNFH6	B CAP UTIL MFR MANUF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	CUMIPNFH	B CAP UTIL MANUF DUR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	CUMIPNFN	B CAP UTIL MANUF NONDUR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	CUMIPNFH6	B CAP UTIL MINING	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
24	CUMIPNFH649	B CAP UTIL UTIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	FCCCTICS	B CONSUMER INSTALLMENT CR	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
26	FCUS	B CURRENCY IN CIRCULATION	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
27	FORICS	B TIME DEPTS \$100,000, CD	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
28	FORDIS	B SAVINGS DEPT-ALL CML B	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
29	FLITICS	B C&I&INDUS LOANS-AL CMC	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40
30	FREFS4	B FPEE RESERVES, FRB MEM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	FRMPPE	B EFFECTY PASSBR SAV RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	FRMRIS15	B AVG RATE, SMT TERM BUS	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
33	FRMRIS14	B INT RATE, 3-MO CD'S, SEC	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
34	FRMRIS14	B INT RATE, 4-6MT PRM CDR	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75
35	FMCS	B YIELD, HUDUDY'S TOT CP RD	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
36	FRCHAAA4	B AAA UTIL BNDS, RATE-NEW	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
37	FRMF	B FEDERAL FUNDS RATE	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
38	FRMHL	B YIELD, US GOV LONG TERM	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
39	FRMGSAAA	B STATE & LOCAL AAA BUD R	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14
40	FRMWHNE	B PRN'L RATE FOR LARGE BU	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
41	FRMWHNE	B INT YLD, 3MO TBLR US TR	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
42	FMHJ	B % DIVER OCC MSE UNITS O	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
43	MORIN	B MENTAL HOUSING	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
44	HSPRSH	B HHS STANTS, PRIV, MULTPL	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
45	HSPRSH	B HHS STANTS, PRIV, SINGLE	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
46	IAGS	B INVESTMENT AGRICULTURE	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
47	IACH	B INVEST, NEW PAF, CMCRLA	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40	-3.40
48	IACHN	B INVEST, NEW PAF, DUR MA	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
49	IACHN	B INVEST, NEW PAF, MINDUR	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
50	IACHN	B INVEST, NEW PAF, MIMING	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

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THE PHAM T U U QUARTERLY MODEL MARK 4.6
SPECIAL UMM FORECAST OCTOBER 1977

TABLE 27.00 CONSTANT ADJUSTMENTS TO BIFUNCTIONAL EQUATIONS

LINE	VAN LABEL	ITEM	1980.3	1980.6	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2
1	IARGBA	I INVEST, NEW P&L, COMMON	-5.50	-5.45	-5.40	-5.40	-5.40	-5.40	-5.40	-5.40
2	IARGB1	I INVEST, NEW P&L, TRANSP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	IARGB2	I INVEST, NEW P&L, UTILIT	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
4	IARCB40	B COMMERCIAL+COMM 1ST ANT.	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
5	IARCB40S	B COMMERCIAL+COMM 1ST ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	IARCB40H	B COMMERCIAL+COMM 2ND ANT.	-15.00	-14.90	-14.75	-14.55	-14.45	-14.45	-14.45	-14.45
7	IARCB40S	B COMMERCIAL+COMM 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	IARCB40D	B MANUF DUR, 1ST ANT.	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
9	IARCB40S	B MANUF DUR, 1ST ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	IARCB40D	B MANUF DUR, 2ND ANT.	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
11	IARCB40S	B MANUF DUR, 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	IARCB40D	B MANUF. NONDURABLES 1ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	IARCB40S	B MANUF. NONDURABLES 1ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	IARCB40D	B MANUF. NONDURABLES 2ND	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
15	IARCB40S	B MANUF. NONDURABLES 2ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	IARCB40D	B MINING 1ST ANT.	-0.20	-0.20	-0.20	-0.25	-0.25	-0.25	-0.25	-0.25
17	IARCB40S	B MINING 1ST ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	IARCB40D	B MINING 2ND ANT.	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
19	IARCB40S	B MINING 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	IARCB40D	B REGULATED 1ST ANT.	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65
21	IARCB40S	B REGULATED 1ST ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	IARCB40D	B REGULATED 2ND ANT.	-2.80	-2.80	-2.80	-2.80	-2.80	-2.80	-2.80	-2.80
23	IARCB40S	B REGULATED 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	IARCB40D	B UTILITIES 1ST ANT.	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
25	IARCB40S	B UTILITIES 1ST ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	IARCB40D	B UTILITIES 2ND ANT.	-17.00	-17.50	-18.00	-18.50	-19.00	-19.50	-20.00	-20.50
27	IARCB40S	B UTILITIES 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	IARCB40D	B UTILITIES 2ND ANT.	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
29	IARCB40S	B UTILITIES 2ND ANT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	IARCB40D	B FIX INVEST NONRES, PD DU	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
31	IARCB40S	B FIXES INVEST, NFS STRUCT	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
32	IARCB40D	B CHANGE-RUS INVENTORIES,	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
33	IARCB40S	B CHANGE-RUS INVENTORIES,	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00
34	IARCB40D	B CHANGE-DEALERS AUTO IN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	IARCB40S	B IND PRUD, TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	IARCB40D	B IND PRUD, MANUFACTURING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	IARCB40S	B IND PRUD, MANUF, DURABLES	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
38	IARCB40D	B IND PRUD, MANUF, NONDURAB	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
39	IARCB40S	B IND PRUD, MINING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	IARCB40D	B IND PRUD, MINING & UTIL.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	IARCB40S	B IND PRUD, UTILITIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	IARCB40D	B INVENTORY VAL ADJ, ALL I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	IARCB40S	B INVENTORY VAL ADJ, ALL I	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
44	IARCB40D	B INVENTORY VAL ADJ, DURAB	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
45	IARCB40S	B INVENTORY VAL ADJ, DURAB	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
46	IARCB40D	B INVENTORY VAL ADJ, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	IARCB40S	B INVENTORY VAL ADJ, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	IARCB40D	B INVENTORY VAL ADJ, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	IARCB40S	B INVENTORY VAL ADJ, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	IARCB40D	B INVENTORY VAL ADJ, DURAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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THE W HARTON QUARTERLY MODEL MARK 6.0
SPECIAL QWR FORECAST, OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS

LINE	VAR LABEL	ITEM	1980.3	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2
1	MEETEC	EMP-INHAG PAY, CUMTR CU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	MEETFI	EMP-INHAG PAY, FIN,INSE	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
3	MEETMD	EMP-INHAG PAYROLLS, DUM	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
4	MEETMH	EMP-INHAG PAYROLLS, MUMH	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
5	MEETING	EMP-INHAG PAYROLLS, MHH	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
6	MEETIS	EMP-INHAG PAYROLLS, REGU	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
7	MEETSV	EMP-INHAG PAYROLLS, SER	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
8	MEETSW	EMP-INHAG PAYROLLS, WHUL	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
9	MEHA	LABOR FCE, CTV,AGRIC,T	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
10	NLC	TOTAL CIVILIAN LABOR FO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	NLT	TOTAL LABR FORCE-----	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
12	NMLTCC	MACHINRS, CONTRACT CUM--	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
13	NMLTFI	MACHINRS, FIN, INS & RE	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
14	NMLTFM	MACHINRS, DURABLE MANUFA	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
15	NMLTFH	MACHINRS, NONDUR MANUFA	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
16	NMLTFM	MACHINRS, MINING INDUSTR	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
17	NMLTFM	MACHINRS, REGULATED IND	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
18	NMLTFM	MACHINRS, SERVICES-----	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
19	NMLTFM	MACHINRS, WHOLESALE RETAIL	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
20	NMUI	TIME EMPLOYMENT RATE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	NMUT-1A25.54	EMPL RT, MALES, 25-54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	UNACCAS	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	UNACCHS	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	UNACFO-1A25.54	ORDERS NONDEFENSE-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	PC	CUR PRCE INDEX, ALL I	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
32	PCFA	CUR-SUMER PRICE INDEX, F	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	PCSA	CUR-SUMER P INDEX, SERVI	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
34	PCSB	CUR-SUMER P INDEX, R	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
35	PCEDAP-1A25.54	IMPL DEFL, PCE, USED AUT,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	PCEDAP-1A25.54	IMPL DEFL, PCE, AUTOS BUM	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
37	PCEDAP-1A25.54	IMPL DEFL, PCE, FURNISHUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	PCEDAP-1A25.54	IMPL DEFL, PCE, UTHER DU	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
39	PCEDAP-1A25.54	IMPL DEFL, PCE, CLOTHING	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
40	PCEDAP-1A25.54	IMPL DEFL, PCE, FOOD &	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
41	PCEDAP-1A25.54	IMPL DEFL, PCE, GAS & U	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
42	PCEDAP-1A25.54	IMPL DEFL, PCE, OTHER MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	PCEDAP-1A25.54	IMPL DEFL, PCE, SERV, MCHS	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
44	PCEDAP-1A25.54	IMPL DEFL, PCE, OTHER SER	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	PCEDAP-1A25.54	IMPL DEFL, PCE, SERV, MCHS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	PCEDAP-1A25.54	IMPL DEFL, PCE, SERV, THAN	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
47	PCEDAP-1A25.54	IMPL DEFL, PCE, SERV, EXC	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
48	PCEDAP-1A25.54	IMPL DEFL, PCE, PUNCH, LACL	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
49	PCEDAP-1A25.54	IMPL DEFL, PCE, TRV, M-HE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	PCEDAP-1A25.54	IMPL DEFL, PCE, TRV, M-HE	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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THE WMAP IOM QUARTELY MODEL MARK 4.0
SPECIAL UNIFORMCAST: OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO MEASUREMENTAL EQUATIONS
1980.3 1980.4 1981.1 1981.2 1981.3 1981.4 1982.1 1982.2

LINE	VAR LABEL	ITM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1	PIE1P	U IMPL DEF, FIX INVT, RES	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	PIE2P	U IMPL DEF, FIX INVT, MANF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	PIE3P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	PIE4P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	PIE5P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	PIE6P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	PIE7P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	PIE8P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	PIE9P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	PIE10P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	PIE11P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	PIE12P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	PIE13P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	PIE14P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	PIE15P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	PIE16P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	PIE17P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	PIE18P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	PIE19P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	PIE20P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	PIE21P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	PIE22P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	PIE23P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	PIE24P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	PIE25P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	PIE26P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	PIE27P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	PIE28P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	PIE29P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	PIE30P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	PIE31P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	PIE32P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	PIE33P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	PIE34P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	PIE35P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	PIE36P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	PIE37P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	PIE38P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	PIE39P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	PIE40P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	PIE41P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	PIE42P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	PIE43P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	PIE44P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	PIE45P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	PIE46P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	PIE47P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	PIE48P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	PIE49P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	PIE50P	U IMPL DEF, FIX INVT, INVT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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THE M H A R T O N Q U A R T E R L Y M O D E L M A R K 4,4
SPECIAL UMR FORECAST, OCTOBER 1977

TABLE 22.00 CONSTANT ADJUSTMENTS TO BEHAVIORAL EQUATIONS
1980.5 1980.4 1981.1 1981.2 1981.3 1981.4 1982.1 1982.2

LINE	VAR LABEL	ITEM	1980.5	1980.4	1981.1	1981.2	1981.3	1981.4	1982.1	1982.2
1	INRSPS	R SALIC RCPTS, IRAN PAY ID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	TRIPUS	B UNEMPL. INSUR. PAYMENTS	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
3	TRCHGS	B GAS TAX COLLECTIONS----	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
4	TRCHP-0-G3	B TRIPMS TRXN TX AC-0IL	3.40	3.40	3.00	3.00	3.00	3.00	3.00	3.00
5	TRCHPS	R INDM MS TAX ACCH, PRPPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	TRCHSSGAS	B STATELIC LIN & TUR TAX	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
7	TRCHSSLI-TUS	B STATELIC LIN & TUR TAX	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
8	TRCHSS	B FED GUV RCPTS, CURP, PMF	-5.04	-5.04	-5.04	-5.04	-5.04	-5.04	-5.04	-5.04
9	TRCHSS	B SALIC RCPTS, CURP, PMF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	TRCHPS	B FED GUV RCPTS, PERS TAXN	-15.30	-16.00	-16.45	-16.15	-16.60	-16.30	-16.95	-16.65
11	TRCHPS	B SALIC RCPTS, PERS TAXND	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
12	TRCHPS	B FED GUV RCPTS, CURING-SO	-0.70	-0.65	-1.60	-1.35	-1.30	-1.25	-1.20	-1.10
13	TRCHPS	B SALIC RCPTS, CONTRIN FOR	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
14	TRCHPFDVS	B TAX, FED INCOME, TOT DE	59.00	60.00	61.00	62.00	63.00	64.00	65.00	66.00
15	TRCHPFDV	B TAX, FED INCOME, MELEMP	12.39	12.41	12.44	12.46	12.49	12.51	12.54	12.56
16	TRCHPFDV1	B TAXABLE INCOME- 1ST BR	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
17	TRCHPFDV2	B TAXABLE INCOME- 2ND BR	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
18	TRCHPFDV3	B TAXABLE INCOME- 3RD BR	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
19	TRCHPFDV4	B TAXABLE INCOME- 4TH BR	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
20	TRCHPFDV5	B TAXABLE INCOME- 5TH BR	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
21	TRCHPFDV6	B TAXABLE INCOME- 6TH BR	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
22	TRCHPFDV7	B TAXABLE INCOME, 7TH BR	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
23	TRCHPFDV8	B TAXABLE INC-8 & 9TH BR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	TRCHPFDV9	B WAGE PER MAN, AGRICULTU	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
25	TRCHPFDV10	B WAGE RATE, CONTRACT CON	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
26	TRCHPFDV11	B WAGE RATE, FIN, INSRAL	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
27	TRCHPFDV12	B WAGE RATE, MANUF, DURAB	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
28	TRCHPFDV13	B WAGE RATE, MANUF, MANUF	0.03	0.03	0.04	0.05	0.03	0.03	0.03	0.03
29	TRCHPFDV14	B WAGE RATE, MINING-----	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
30	TRCHPFDV15	B WAGE RATE, REGULATED IN	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
31	TRCHPFDV16	B WAGE RATE, SERVICES----	0.06	0.06	0.07	0.09	0.10	0.10	0.10	0.10
32	TRCHPFDV17	B WAGE RATE, WLSRETAIL T	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
33	TRCHPFDV18	B OUTPUT ORIG, AGRICULTUR	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
34	TRCHPFDV19	B OUTPUT ORIGINATING, CONTR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	TRCHPFDV20	B OUTPUT ORIG, FINANCIAL-	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
36	TRCHPFDV21	B OUTPUT ORIG, MANUF DURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	TRCHPFDV22	B OUTPUT ORIG, MANUF, NON	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20
38	TRCHPFDV23	B OUTPUT ORIGINATING, MIN	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
39	TRCHPFDV24	B OUTPUT ORIG, COMMUNICAT	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
40	TRCHPFDV25	B OUTPUT ORIG, TRANSPORTA	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
41	TRCHPFDV26	B OUTPUT ORIG, UTILITIES--	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
42	TRCHPFDV27	B OUTPUT ORIG, SERVICES--	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
43	TRCHPFDV28	B OUTPUT ORIG, WHOLESALE,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	TRCHPFDV29	B SERVICES, TOTAL-----	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
45	TRCHPFDV30	B PROPRIETORS' INCOME, BUS	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60
46	TRCHPFDV31	B PROPRIETORS' INCOME, FA	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10
47	TRCHPFDV32	B NET INTEREST, NAT'L INC	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
48	TRCHPFDV33	B INCORP, F, INVEST PD BY C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	TRCHPFDV34	B FED GUV EXPEND, NET INT	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
50	TRCHPFDV35	B NETAL INCOME OF PRSOM	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60

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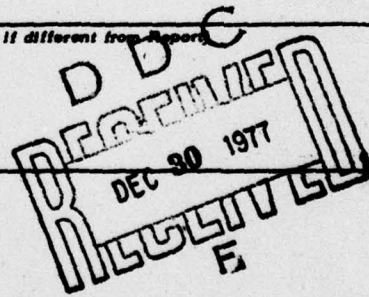


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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) → This report documents an investigation on comparative methods of modeling the demographic characteristics of employment and the labor force, based on modeling stocks or net flows. The former is taken from research by the Urban Institute and the latter developed by WEFA and documented in the report. After comparing these characteristics the WEFA model is used to forecast labor markets through the second quarter of 1982. ←			



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