

## ***STATISTICAL APPENDIX***

---

For the user's convenience, as well as to lighten the text, the *Economic Survey of Europe* includes a set of appendix tables showing time series for the main economic indicators over a longer period. The data are presented in two sections, following the structure of the text: *Appendix A* provides macroeconomic indicators for the market economies of western Europe and North America for 1984-1998, *Appendix B* does the same for the east European countries, the Baltic states and the Commonwealth of Independent States for 1980-1998.

Data for the transition economies are preliminary because re-estimated historical series are not yet available for all countries, and longer time series could in some instances be obtained only by splicing older data with the new statistics (as explained in the notes to the tables).

Data were compiled from international and national statistical sources. Regional aggregations are ECE secretariat estimates based, variously, on 1990-1992 weights. The figures for 1998 are based on data available at mid-March 1999.

APPENDIX TABLE A.1

**Real GDP in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	2.5	2.6	3.0	3.1	4.1	3.4	3.4	1.6	1.3	-0.1	2.6	2.5	2.0	2.9	2.7
<b>4 major countries</b> .....	2.3	2.5	2.9	2.7	4.3	3.3	3.1	1.7	1.1	-0.5	3.0	2.2	1.5	2.3	2.4
France .....	1.3	1.9	2.5	2.3	4.5	4.3	2.5	0.8	1.2	-1.3	2.8	2.1	1.6	2.3	3.1
Germany <sup>a</sup> .....	2.8	2.0	2.3	1.5	3.7	3.6	5.7	5.1	2.2	-1.2	2.7	1.2	1.3	2.2	2.8
Italy .....	2.6	2.8	2.8	3.1	3.9	2.9	2.2	1.1	0.6	-1.2	2.2	2.9	0.9	1.5	1.4
United Kingdom .....	2.4	3.8	4.2	4.4	5.2	2.1	0.6	-1.5	0.1	2.3	4.4	2.8	2.6	3.5	2.3
<b>17 smaller countries</b> .....	3.0	2.7	3.2	4.0	3.7	3.6	4.0	1.4	1.6	0.7	1.7	3.3	3.1	3.9	3.3
Austria .....	0.3	2.2	2.3	1.7	3.2	4.2	4.6	3.4	1.3	0.5	2.4	1.7	2.0	2.5	3.3
Belgium .....	2.5	1.0	1.5	2.4	4.7	3.6	3.0	1.6	1.5	-1.5	2.4	2.1	1.3	3.0	2.8
Cyprus .....	8.8	4.7	3.8	7.0	8.5	7.9	7.4	0.6	9.8	0.7	5.9	6.1	2.0	2.5	5.0
Denmark .....	4.4	4.3	3.6	0.3	1.2	0.3	1.2	1.4	1.3	0.8	5.8	3.0	3.3	3.1	2.4
Finland .....	3.0	3.4	2.4	4.1	4.9	5.7	-	-6.0	-3.2	-0.6	3.7	4.0	4.1	5.6	4.9
Greece .....	2.8	3.1	1.6	-0.5	4.5	3.8	-	3.0	0.5	0.2	2.2	2.0	2.4	3.2	3.0
Iceland .....	4.1	3.3	6.3	8.5	-0.1	0.3	1.2	1.1	-3.4	1.0	3.7	1.0	5.5	5.0	5.6
Ireland .....	4.4	3.1	-0.4	4.7	5.2	5.8	8.5	2.0	4.2	3.1	7.3	11.1	7.4	9.8	8.5
Israel .....	2.2	3.6	3.6	6.2	3.4	1.4	6.3	5.7	6.8	3.4	6.9	7.2	4.7	2.7	2.0
Luxembourg .....	6.2	2.9	7.8	2.3	10.4	9.8	2.2	6.1	4.5	8.7	4.2	3.8	3.0	4.8	4.7
Malta .....	0.9	2.6	3.9	4.1	8.4	8.2	6.3	6.3	4.7	4.5	5.7	6.2	3.8	4.4	7.6
Netherlands .....	3.3	3.1	2.8	1.4	2.6	4.7	4.1	2.3	2.0	0.8	3.2	2.3	3.1	3.6	3.7
Norway .....	5.9	5.2	3.6	2.0	-0.1	0.9	2.0	3.1	3.3	2.7	5.0	4.1	5.5	3.4	2.0
Portugal .....	-1.9	2.8	4.1	6.4	7.5	5.1	4.4	2.3	2.5	-1.1	2.2	2.9	3.2	3.7	3.5
Spain .....	1.5	1.7	3.2	5.6	5.2	4.7	3.7	2.3	0.7	-1.2	2.2	2.7	2.4	3.5	3.8
Sweden .....	4.0	1.9	2.3	3.1	2.3	2.4	1.4	-1.1	-1.4	-2.2	3.3	3.9	1.3	1.8	2.9
Switzerland .....	3.0	3.4	1.6	0.7	3.1	4.3	3.7	-0.8	-0.1	-0.5	0.5	0.6	-	1.7	2.1
Turkey .....	6.7	4.2	7.0	9.5	2.1	0.3	9.3	0.9	6.0	8.0	-5.5	7.2	7.0	7.5	2.4
<b>North America</b> .....	6.7	3.9	3.0	3.0	3.9	3.3	1.2	-1.0	2.6	2.3	3.6	2.3	3.3	3.9	3.8
Canada .....	5.7	5.4	2.6	4.1	4.9	2.4	0.2	-1.9	0.9	2.5	4.7	2.6	1.2	3.8	3.0
United States .....	6.8	3.7	3.0	2.9	3.8	3.4	1.3	-1.0	2.7	2.3	3.5	2.3	3.4	3.9	3.9
<b>Total above</b> .....	4.6	3.2	3.0	3.0	4.0	3.3	2.3	0.3	1.9	1.1	3.1	2.4	2.7	3.4	3.3
Japan .....	3.9	4.4	2.9	4.2	6.2	4.8	5.1	3.8	1.0	0.3	0.6	1.5	5.0	1.4	-2.9
<b>Total above, including Japan</b> ...	4.5	3.4	3.0	3.2	4.3	3.6	2.7	0.8	1.8	1.0	2.7	2.3	3.0	3.1	2.3
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	2.3	2.5	2.8	2.9	4.2	3.5	3.1	1.7	1.1	-0.5	3.0	2.4	1.8	2.6	2.8
Euro area .....	2.1	2.2	2.6	2.7	4.2	3.9	3.7	2.4	1.3	-1.0	2.6	2.2	1.6	2.5	2.8

*Source:* National statistics.

*Note:* All aggregates exclude Israel. Growth rates of regional aggregates have been calculated as weighted averages of growth rates in individual countries. Weights were derived from 1991 GDP data converted from national currency units into dollars using purchasing power parities.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.2

**Real private consumption expenditure in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	1.8	2.5	4.1	3.6	3.8	3.1	3.4	2.3	1.8	0.1	1.4	1.9	2.3	2.3	2.7
<b>4 major countries</b> .....	1.8	2.7	4.4	3.9	4.3	3.2	3.1	2.4	1.6	-0.1	1.5	1.7	1.9	1.8	2.4
France .....	1.1	2.4	3.9	2.9	3.3	3.1	2.7	1.4	1.3	0.2	1.4	1.7	2.0	0.9	3.4
Germany <sup>a</sup> .....	1.8	1.7	3.5	3.4	2.7	2.8	5.4	5.6	2.8	0.1	1.2	1.8	1.6	0.5	1.9
Italy .....	2.5	3.1	4.2	4.3	4.6	3.6	2.5	2.7	1.3	-3.4	0.9	1.4	0.8	2.6	1.9
United Kingdom .....	1.9	3.9	6.6	5.4	7.6	3.3	0.7	-1.7	0.4	2.9	2.9	1.7	3.6	3.9	2.6
<b>17 smaller countries</b> .....	1.7	2.3	3.6	3.1	2.9	3.1	4.1	2.3	2.0	0.5	1.0	2.3	3.0	3.4	3.2
Austria .....	-1.3	1.9	2.2	2.9	3.3	3.7	3.8	2.8	3.0	0.7	1.8	2.9	2.0	0.7	1.8
Belgium .....	0.7	2.0	2.0	2.3	3.2	3.7	2.9	2.9	2.3	-1.4	1.4	1.1	1.8	2.1	2.8
Cyprus .....	4.5	5.9	1.7	5.5	10.5	6.9	9.0	9.9	3.2	-4.8	4.2	10.6	2.8	2.4	7.0
Denmark .....	3.4	5.0	5.7	-1.5	-1.0	-0.3	0.3	1.8	2.6	1.4	7.1	3.3	2.7	3.6	3.4
Finland .....	3.1	3.7	4.0	5.2	5.1	4.3	-	-3.6	-4.5	-3.1	2.6	4.2	3.4	2.2	5.1
Greece .....	1.7	3.9	0.7	1.2	3.6	6.1	2.6	2.8	1.8	0.1	1.5	1.6	1.9	2.5	1.9
Iceland .....	3.7	4.2	6.9	16.2	-3.8	-4.2	0.5	4.1	-4.5	-4.5	1.9	4.2	6.4	6.0	10.3
Ireland .....	2.0	4.6	2.0	3.3	4.5	6.5	1.4	2.1	4.6	2.4	6.3	4.1	6.1	6.3	8.3
Israel .....	-6.9	0.7	15.1	8.9	4.5	0.4	5.6	7.2	8.0	7.3	9.5	7.2	5.0	4.1	3.3
Luxembourg .....	1.4	2.7	5.7	4.6	4.6	5.1	5.7	6.3	-0.9	1.7	2.4	2.4	1.9	2.5	2.6
Malta .....	4.0	5.0	1.4	0.5	9.0	9.2	3.8	3.8	4.3	0.8	2.3	10.5	7.7	2.4	2.9
Netherlands .....	1.2	2.8	2.6	2.7	0.8	3.5	4.2	3.1	2.5	1.0	2.2	2.0	2.7	3.0	4.4
Norway .....	3.2	9.4	5.0	-0.8	-2.0	-0.6	0.7	1.5	2.2	2.2	4.1	2.6	4.7	3.4	3.2
Portugal .....	-2.9	0.7	5.6	5.3	6.9	2.6	5.9	3.7	4.3	1.5	2.2	1.6	2.5	3.0	5.4
Spain .....	-0.1	2.0	3.3	5.8	4.9	5.7	3.6	2.9	2.2	-2.2	0.9	1.6	1.9	3.1	3.5
Sweden .....	1.4	2.7	4.4	4.6	2.4	1.2	-0.4	0.9	-1.4	-3.1	1.8	0.8	1.3	2.0	2.7
Switzerland .....	1.3	1.6	2.3	2.2	1.7	2.3	1.2	1.7	0.1	-0.9	1.0	0.5	0.4	1.7	1.8
Turkey .....	8.1	-0.6	5.8	-0.3	1.2	-1.0	13.1	1.9	4.0	8.6	-5.4	4.8	8.5	8.4	2.1
<b>North America</b> .....	5.1	4.7	4.0	3.1	4.0	2.4	1.6	-0.7	2.7	2.8	3.3	2.6	3.1	3.4	4.7
Canada .....	4.5	5.2	3.9	4.0	4.3	3.4	1.3	-1.4	1.8	1.9	3.1	2.1	2.3	4.1	2.7
United States .....	5.2	4.7	4.0	3.1	3.9	2.3	1.7	-0.6	2.8	2.9	3.3	2.7	3.2	3.4	4.8
<b>Total above</b> .....	3.4	3.6	4.0	3.4	3.9	2.8	2.5	0.8	2.2	1.5	2.3	2.3	2.7	2.9	3.7
Japan .....	2.6	3.3	3.5	4.2	5.3	4.8	4.4	2.5	2.1	1.2	1.9	2.1	2.9	1.0	-1.1
<b>Total above, including Japan</b> ...	3.3	3.6	4.0	3.5	4.1	3.1	2.8	1.1	2.2	1.4	2.3	2.2	2.7	2.6	2.9
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	1.5	2.6	4.1	3.9	4.1	3.4	3.1	2.4	1.7	-0.3	1.7	1.7	2.0	2.0	2.7
Euro area .....	1.3	2.3	3.6	3.7	3.6	3.5	3.7	3.2	2.0	-0.8	1.3	1.8	1.7	1.7	2.7

*Source:* National statistics.

*Note:* See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.3

Real general government consumption expenditure in the ECE market economies, 1984-1998  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	1.7	3.0	2.8	2.8	2.1	1.2	2.8	2.4	2.3	1.2	0.8	1.1	2.0	0.3	1.3
<b>4 major countries</b> .....	1.8	1.9	2.1	1.9	2.1	-	2.0	1.8	2.5	0.6	1.1	0.7	1.9	-0.1	1.2
France .....	1.2	2.3	1.7	2.8	3.4	0.4	2.1	2.8	3.4	3.5	1.1	-	2.6	1.2	1.5
Germany <sup>a</sup> .....	2.5	2.1	2.5	1.5	2.1	-1.6	2.2	0.4	4.1	-0.5	2.1	2.0	2.7	-0.7	0.6
Italy .....	2.1	3.1	2.5	3.2	2.7	0.9	1.2	1.7	1.2	0.5	-0.6	-1.1	0.3	-0.8	1.4
United Kingdom .....	1.0	-0.1	1.6	-	-	0.8	2.5	2.9	0.5	-0.8	1.4	1.6	1.7	-	1.5
<b>17 smaller countries</b> .....	1.5	5.1	4.1	4.5	2.1	3.5	4.2	3.6	1.9	2.5	0.2	1.9	2.2	1.1	1.5
Austria .....	0.8	1.3	1.8	0.2	1.1	1.4	1.3	2.2	2.0	2.7	2.5	-	0.6	-3.9	1.5
Belgium .....	0.6	2.5	1.9	0.1	-0.9	-0.9	-0.5	2.0	0.1	1.2	1.6	0.9	1.4	0.8	1.1
Cyprus .....	3.8	3.7	3.6	5.3	10.5	1.9	17.4	3.9	13.8	-14.3	4.1	2.9	11.9	3.4	7.7
Denmark .....	-0.4	2.5	0.5	2.5	0.9	-0.8	-0.2	0.7	0.9	4.1	2.9	2.2	3.2	1.1	2.2
Finland .....	2.7	4.5	3.1	4.3	2.3	2.3	3.8	2.0	-2.3	-4.3	0.3	2.0	2.5	2.9	0.4
Greece .....	3.0	3.2	-0.8	0.9	5.7	5.5	0.6	-1.5	-3.4	4.8	3.5	1.5	1.0	-0.4	0.8
Iceland .....	0.6	6.5	7.3	6.5	4.7	3.0	4.4	3.1	-0.8	2.3	3.7	1.3	1.0	1.5	3.0
Ireland .....	-0.7	1.8	2.6	-4.8	-5.0	-1.3	5.4	2.9	2.4	0.4	5.0	2.6	1.5	4.8	3.0
Israel .....	5.8	2.9	-9.7	18.3	-2.5	-8.6	7.7	4.1	1.4	4.2	-0.2	0.3	5.7	1.9	2.3
Luxembourg .....	2.2	2.0	2.7	4.7	4.9	3.9	3.1	3.9	1.5	3.7	2.0	2.2	3.3	1.7	2.8
Malta .....	-2.5	5.6	4.4	9.1	6.0	12.7	5.7	10.9	8.9	6.0	6.4	8.5	8.4	-1.2	-4.6
Netherlands .....	-	2.4	3.6	2.6	1.4	1.5	1.6	1.5	1.7	1.5	0.6	0.8	1.2	1.5	2.5
Norway .....	0.8	2.4	1.9	4.6	-0.1	1.9	4.9	4.3	5.3	2.2	0.7	1.9	3.2	3.0	2.8
Portugal .....	0.2	6.4	7.2	3.8	8.6	6.6	5.4	10.3	1.1	0.9	2.1	2.2	2.0	2.5	3.6
Spain .....	2.5	6.0	5.4	8.9	4.0	8.3	6.6	5.6	4.0	2.4	-0.3	1.8	1.0	1.4	1.3
Sweden .....	2.3	2.4	1.3	1.0	0.6	2.1	2.6	2.8	-	0.2	-0.7	-0.9	-0.2	-2.1	2.0
Switzerland .....	1.7	3.3	3.3	1.6	4.5	5.3	5.4	3.4	0.8	-0.2	2.1	-0.2	0.6	-0.7	0.6
Turkey .....	1.9	14.1	9.2	9.4	-1.1	0.8	8.0	4.5	2.8	8.6	-5.5	6.8	8.6	4.1	0.5
<b>North America</b> .....	1.6	4.8	4.3	2.1	2.2	2.7	2.4	1.1	-	-0.3	0.3	-0.3	0.4	1.1	1.0
Canada .....	1.2	4.3	1.9	1.4	4.6	2.8	3.7	2.8	1.0	-0.3	-1.2	-0.5	-2.5	-0.8	0.7
United States .....	1.6	4.8	4.6	2.2	2.0	2.7	2.3	1.0	-0.1	-0.3	0.4	-0.3	0.7	1.3	1.1
<b>Total above</b> .....	1.6	3.9	3.6	2.4	2.2	1.9	2.6	1.8	1.1	0.5	0.5	0.4	1.2	0.7	1.2
Japan .....	2.3	0.3	5.1	1.6	2.3	2.0	1.5	2.0	2.0	2.4	2.4	3.3	1.9	1.5	0.6
<b>Total above, including Japan</b> ...	1.8	3.3	3.8	2.3	2.2	1.9	2.4	1.8	1.3	0.8	0.8	0.8	1.3	0.8	1.1
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	1.7	2.4	2.5	2.5	2.2	1.1	2.4	2.3	2.2	0.9	1.1	0.8	1.7	0.1	1.3
Euro area .....	1.8	2.9	2.8	3.0	2.6	1.0	2.4	2.2	2.8	1.2	1.0	0.7	1.8	0.2	1.3

Source: National statistics.

Note: See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.4

**Real gross domestic fixed capital formation in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	1.3	2.9	4.2	7.0	8.2	6.7	4.4	-	-0.7	-4.8	1.8	4.1	2.3	3.4	4.7
<b>4 major countries</b> .....	2.2	1.6	3.1	4.6	8.4	6.2	3.7	0.3	-0.1	-6.1	2.3	2.8	1.0	1.6	4.1
France .....	-2.6	3.2	4.5	4.8	9.6	7.9	2.8	-	-2.8	-6.7	1.3	2.5	-0.5	0.1	4.6
Germany <sup>a</sup> .....	0.1	-0.5	3.3	1.8	4.4	6.3	8.5	6.0	3.5	-5.6	3.5	-	-1.2	0.1	1.6
Italy .....	3.4	0.5	2.0	4.4	6.9	4.4	3.6	0.8	-1.8	-12.8	0.5	7.1	1.9	0.8	3.5
United Kingdom .....	9.3	4.0	2.1	8.9	14.8	5.9	-2.3	-8.7	-0.7	0.8	3.6	2.9	4.9	6.6	8.0
<b>17 smaller countries</b> .....	-0.5	5.5	6.3	11.8	7.8	7.7	5.7	-0.6	-2.0	-2.1	0.7	6.7	5.0	6.9	5.8
Austria .....	0.1	6.9	2.4	4.4	6.8	6.3	6.6	6.3	0.1	-2.0	8.4	1.2	2.5	2.8	4.8
Belgium .....	2.5	3.9	3.5	6.3	16.4	11.4	9.6	-4.7	1.3	-3.6	-0.1	3.2	0.5	5.4	4.8
Cyprus .....	21.5	-7.7	-7.1	4.5	10.6	20.0	-2.8	-1.6	16.2	-12.8	-2.5	-1.7	7.8	-8.4	0.6
Denmark .....	12.9	12.6	17.1	-3.8	-6.6	0.4	-1.0	-2.8	-1.1	-1.9	7.4	12.3	4.9	10.6	5.0
Finland .....	-2.1	2.2	-0.4	4.9	9.8	14.8	-4.1	-18.8	-16.6	-17.4	-2.8	11.9	8.7	14.2	8.2
Greece .....	-5.7	5.2	-6.2	-5.1	8.9	7.1	5.0	4.8	-1.0	-1.8	1.2	5.9	8.8	9.6	8.0
Iceland .....	9.4	1.0	-1.6	18.8	-0.2	-7.9	3.0	2.0	-11.3	-11.4	-1.1	-2.8	26.5	11.2	28.2
Ireland .....	-2.5	-7.7	-2.8	-1.1	5.2	10.1	13.4	-6.6	-1.9	-3.6	12.2	10.9	13.6	10.9	13.0
Israel .....	-11.9	-9.2	7.4	6.1	1.6	-2.2	25.3	41.9	5.2	5.3	8.4	6.0	9.3	-2.3	-3.3
Luxembourg .....	0.1	-9.5	31.0	17.9	15.0	7.0	2.7	31.6	-9.0	28.4	-14.9	3.5	-1.7	14.1	6.5
Malta .....	-7.0	-4.0	-8.7	30.7	6.1	1.0	17.9	-	-0.2	11.1	8.5	17.8	-3.8	-7.6	-4.1
Netherlands .....	5.8	7.0	6.9	0.9	4.6	4.9	1.6	0.2	0.6	-2.8	2.2	4.8	5.4	6.8	3.9
Norway .....	1.0	-4.0	7.6	0.3	-1.8	-6.9	-10.8	-0.4	-3.1	4.3	6.9	1.4	9.6	12.6	6.6
Portugal .....	-17.4	-3.5	10.9	18.0	14.8	4.4	7.6	3.5	4.8	-6.0	3.4	4.8	5.7	11.3	8.2
Spain .....	-6.9	6.1	9.9	14.0	13.9	13.6	6.6	1.6	-4.4	-10.5	2.4	7.8	1.8	5.1	8.8
Sweden .....	6.9	6.3	0.3	8.2	6.6	11.3	1.3	-8.9	-10.8	-17.2	2.0	12.4	3.7	-4.8	10.5
Switzerland .....	4.7	2.8	5.4	4.0	8.1	5.3	3.8	-2.9	-6.6	-2.7	6.5	1.9	-2.7	1.5	3.8
Turkey .....	0.9	11.5	8.4	45.1	-1.0	2.2	15.9	1.2	5.5	26.4	-16.0	9.1	14.1	14.8	-2.0
<b>North America</b> .....	14.6	6.4	2.2	1.2	2.2	2.3	-1.6	-6.4	4.7	4.5	6.6	4.4	7.7	7.5	9.3
Canada .....	2.5	10.3	5.4	10.7	9.8	5.9	-3.6	-3.5	-1.3	-2.9	7.4	-2.5	6.6	11.1	4.2
United States .....	15.6	6.1	1.9	0.4	1.5	2.0	-1.4	-6.6	5.2	5.1	6.5	5.0	7.8	7.1	9.7
<b>Total above</b> .....	7.9	4.6	3.2	4.1	5.2	4.5	1.4	-3.2	2.0	-0.2	4.2	4.3	5.0	5.4	7.0
Japan .....	4.3	5.0	4.8	9.1	11.5	8.2	8.5	3.3	-1.5	-2.0	-0.8	1.7	11.1	-1.9	-9.0
<b>Total above, including Japan</b> ...	7.3	4.7	3.4	4.9	6.2	5.1	2.5	-2.2	1.4	-0.4	3.4	3.9	6.0	4.3	4.5
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	1.2	2.6	3.9	5.4	8.8	7.1	4.1	-	-0.9	-6.4	2.4	4.0	1.8	2.8	5.0
Euro area .....	-0.6	1.9	4.3	5.0	8.0	7.3	5.5	1.9	-0.6	-7.7	2.1	3.7	0.9	2.0	4.2

*Source:* National statistics.

*Note:* See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.5

Real total domestic demand in the ECE market economies, 1984-1998  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	1.9	2.5	4.1	4.0	4.5	3.6	3.5	1.4	1.3	-1.1	1.9	2.5	1.7	2.6	3.4
<b>4 major countries</b> .....	2.0	2.2	3.9	3.6	4.8	3.1	2.9	1.5	1.3	-1.7	2.6	1.7	1.1	2.0	3.3
France .....	0.4	2.5	4.5	3.3	4.7	3.9	2.8	0.6	0.2	-2.2	3.0	1.8	0.9	0.9	3.8
Germany <sup>a</sup> .....	1.9	1.0	3.3	2.4	3.6	2.9	5.2	4.7	2.8	-1.4	2.7	1.4	0.7	1.4	3.1
Italy .....	3.0	3.0	3.5	4.3	4.0	3.1	2.6	1.8	0.7	-5.1	1.2	2.0	0.2	2.4	2.6
United Kingdom .....	2.7	2.9	4.8	4.8	7.8	2.8	-0.3	-2.5	0.8	2.1	3.4	1.8	3.0	3.8	3.5
<b>17 smaller countries</b> .....	1.7	2.9	4.4	4.7	3.7	4.5	4.8	1.1	1.3	0.1	0.7	4.1	2.8	3.9	3.8
Austria .....	1.6	1.9	2.1	2.6	3.2	3.0	4.3	3.6	1.4	0.8	3.6	1.9	1.7	1.8	2.8
Belgium .....	2.2	1.0	2.5	3.3	4.9	4.2	3.4	1.3	1.9	-1.6	1.4	1.4	1.3	2.2	3.0
Cyprus .....	9.3	2.2	-1.5	5.6	11.3	9.7	6.3	5.1	9.3	-9.5	6.7	7.8	4.5	0.7	5.6
Denmark .....	5.4	5.4	6.2	-2.3	-1.2	0.3	-0.6	-0.1	1.7	0.5	7.2	4.9	3.3	4.5	3.8
Finland .....	2.2	2.9	2.2	5.2	6.6	7.6	-1.3	-8.4	-5.9	-5.7	3.6	4.7	2.4	5.4	4.6
Greece .....	-0.2	5.6	-1.2	-1.5	7.3	5.3	2.8	3.7	0.4	0.4	1.8	3.2	3.0	3.5	3.0
Iceland .....	6.1	2.9	4.8	15.7	-0.9	-4.3	1.4	5.1	-5.3	-4.1	1.5	3.1	7.5	5.8	12.4
Ireland .....	1.1	1.2	1.2	-0.2	2.1	7.3	6.4	0.2	0.2	0.8	6.7	7.2	6.9	7.3	7.6
Israel .....	-1.9	-2.2	5.4	9.0	2.5	-2.8	9.3	12.1	5.3	6.8	5.3	6.9	5.6	1.4	0.9
Luxembourg .....	2.3	0.7	8.5	5.4	6.7	8.4	3.3	8.6	-1.5	9.4	-0.4	3.1	1.8	4.7	3.7
Malta .....	0.8	3.5	-	3.5	11.5	8.3	7.6	4.9	0.1	4.8	2.1	13.7	4.5	1.6	5.6
Netherlands .....	1.8	3.7	3.8	1.4	1.8	4.7	3.5	1.9	1.6	-1.0	3.0	2.3	3.0	3.6	4.0
Norway .....	4.8	5.6	7.3	-0.8	-3.1	-2.0	-0.3	0.8	1.7	3.1	4.4	3.9	4.7	5.6	4.5
Portugal .....	-6.5	1.0	8.2	9.9	10.7	3.3	6.1	4.2	5.0	-1.3	3.0	3.0	2.8	5.2	6.8
Spain .....	-0.9	2.5	5.4	8.1	7.0	7.8	4.8	2.9	1.0	-4.2	1.3	3.2	1.6	2.9	4.4
Sweden .....	3.2	4.2	2.1	4.3	2.8	3.7	0.9	-2.1	-1.8	-5.2	2.5	2.6	0.1	0.4	4.1
Switzerland .....	3.2	1.9	4.5	2.0	2.6	4.1	3.9	-0.6	-2.7	-1.0	2.7	1.9	-0.1	1.3	3.8
Turkey .....	6.4	3.2	7.0	8.9	-1.3	1.5	14.6	-0.9	5.9	14.2	-12.5	11.4	7.6	9.0	1.7
<b>North America</b> .....	7.5	4.3	3.4	2.9	3.1	2.8	0.8	-1.5	2.7	2.9	3.9	2.0	3.4	4.3	4.8
Canada .....	4.7	5.8	3.4	4.6	5.3	4.1	-0.1	-1.4	0.9	1.5	3.2	1.6	1.1	5.2	2.2
United States .....	7.7	4.1	3.4	2.7	2.9	2.7	0.9	-1.6	2.8	3.0	3.9	2.1	3.6	4.2	5.1
<b>Total above</b> .....	4.7	3.4	3.8	3.4	3.8	3.2	2.2	-0.1	2.0	0.9	2.9	2.3	2.5	3.5	4.1
Japan .....	3.2	3.8	3.9	5.1	7.4	5.6	5.2	2.9	0.4	0.1	1.0	2.3	5.7	0.1	-3.6
<b>Total above, including Japan</b> ...	4.4	3.4	3.8	3.7	4.3	3.6	2.6	0.4	1.7	0.8	2.6	2.3	3.0	2.9	2.9
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	1.6	2.4	3.9	3.8	4.9	3.8	3.0	1.5	1.2	-1.9	2.6	2.1	1.4	2.3	3.5
Euro area .....	1.3	2.1	3.9	3.8	4.4	4.0	3.8	2.4	1.3	-2.6	2.3	2.0	1.1	2.0	3.4

Source: National statistics.

Note: See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.6

**Real exports of goods and services in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	8.8	4.3	0.9	4.9	6.1	7.4	6.3	4.6	4.3	2.4	9.2	8.2	6.2	10.2	4.8
<b>4 major countries</b> .....	7.5	4.9	0.6	3.1	5.0	8.5	7.5	5.0	3.5	1.4	8.2	8.4	4.8	9.5	3.9
France .....	7.0	1.9	-1.4	3.1	8.1	10.2	5.4	4.1	4.9	-0.4	6.0	6.3	5.2	12.6	5.7
Germany <sup>a</sup> .....	8.2	7.6	-0.6	0.4	5.5	10.2	11.0	12.6	-0.3	-5.0	7.9	6.6	5.1	11.1	5.4
Italy .....	7.9	3.5	0.8	4.4	5.0	7.7	7.1	0.1	6.8	9.8	10.3	12.0	1.6	5.0	1.3
United Kingdom .....	6.6	6.0	4.5	5.9	0.6	4.8	4.9	-0.2	4.1	3.9	9.2	9.5	7.5	8.7	2.7
<b>17 smaller countries</b> .....	11.3	3.1	1.5	8.4	8.4	5.2	4.0	3.8	5.8	4.5	11.2	7.7	8.8	11.5	6.5
Austria .....	6.3	7.1	-2.3	3.1	10.2	11.3	7.9	5.9	1.7	-1.3	5.6	6.5	6.9	10.1	7.5
Belgium .....	6.5	0.3	2.7	4.4	9.1	8.2	4.3	3.1	3.5	-0.7	9.5	6.8	2.2	7.1	5.1
Cyprus .....	15.1	-1.1	-1.7	13.7	13.5	16.8	7.9	-8.4	18.7	-1.3	7.9	4.6	3.7	2.1	-2.0
Denmark .....	3.5	5.0	-	5.1	7.8	4.3	6.2	7.0	-0.5	0.1	8.2	4.4	3.7	5.5	1.2
Finland .....	5.0	1.1	1.2	2.7	3.7	1.3	1.4	-7.3	10.4	16.7	13.1	8.7	6.1	14.2	6.6
Greece .....	16.9	1.3	14.0	16.0	9.0	4.6	-4.0	3.7	8.6	0.5	7.4	2.1	3.0	5.3	5.5
Iceland .....	2.4	11.1	5.9	3.3	-3.6	2.9	-	-5.9	-1.9	7.1	10.0	-2.2	9.6	5.6	5.7
Ireland .....	16.6	6.6	2.9	13.7	9.0	10.3	8.7	5.3	13.5	9.7	14.2	19.6	11.7	16.9	19.5
Israel .....	13.6	10.2	5.6	10.2	-1.5	4.0	2.0	-2.6	14.1	9.9	12.8	8.2	6.8	7.6	6.0
Luxembourg .....	18.0	9.5	3.3	4.4	11.7	8.1	3.4	6.7	4.8	2.8	4.4	4.4	2.3	6.0	7.5
Malta .....	4.0	7.4	7.0	12.6	6.1	10.7	13.3	7.5	9.7	5.3	7.1	5.4	-6.7	2.0	5.2
Netherlands .....	7.5	5.1	1.8	4.0	9.0	6.7	5.3	4.7	2.9	1.5	6.7	6.7	5.2	6.7	5.9
Norway .....	7.9	7.2	2.2	1.1	6.4	11.0	8.6	6.1	5.2	3.2	8.2	4.1	9.8	5.8	0.5
Portugal .....	11.6	6.7	6.8	11.2	8.2	13.0	10.0	2.6	4.9	-3.6	8.7	9.1	10.2	8.4	10.1
Spain .....	11.7	2.7	1.9	6.3	5.1	3.0	3.2	7.9	7.4	8.5	16.7	10.0	10.6	14.8	10.1
Sweden .....	6.9	1.2	3.7	4.3	2.5	3.1	1.6	-2.3	2.3	7.6	14.0	12.9	6.1	12.8	5.1
Switzerland .....	7.5	8.0	-0.4	2.3	6.5	6.6	2.1	-2.1	3.0	1.5	1.8	1.6	2.9	9.1	4.1
Turkey .....	25.4	-1.9	-5.1	26.4	18.4	-0.3	3.1	3.1	11.0	7.7	15.2	8.0	22.0	19.1	3.3
<b>North America</b> .....	9.1	2.9	7.2	10.4	15.4	10.8	8.2	6.0	6.7	3.7	8.6	11.1	8.3	12.4	2.1
Canada .....	18.8	5.6	5.3	3.5	9.7	1.1	4.8	2.3	7.9	12.1	13.1	8.8	5.9	8.0	8.1
United States .....	8.3	2.7	7.4	11.0	15.9	11.7	8.5	6.3	6.6	2.9	8.2	11.3	8.5	12.8	1.5
<b>Total above</b> .....	8.9	3.6	4.0	7.6	10.7	9.1	7.2	5.3	5.5	3.1	8.9	9.6	7.2	11.3	3.4
Japan .....	14.8	5.4	-5.7	-0.5	5.9	9.1	6.9	5.2	4.9	1.3	4.6	5.4	6.3	11.6	-2.3
<b>Total above, including Japan</b> ...	9.9	3.9	2.5	6.3	10.0	9.1	7.2	5.3	5.4	2.8	8.2	9.0	7.1	11.3	2.5
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	8.0	4.5	1.2	4.0	5.5	7.7	6.5	4.8	4.0	2.2	9.1	8.4	5.5	9.9	5.0
Euro area .....	8.2	4.4	0.2	3.3	6.4	8.5	7.2	6.0	4.0	1.8	9.0	8.3	5.2	10.2	5.5

*Source:* National statistics.

*Note:* See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE A.7

**Real imports of goods and services in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	6.6	4.3	5.5	9.2	7.8	8.7	7.7	3.9	4.2	-1.7	6.3	8.3	4.8	9.7	7.4
<b>4 major countries</b> .....	7.2	4.2	5.0	7.6	7.8	8.2	7.0	4.6	4.1	-4.1	6.8	6.9	3.3	8.8	7.1
France .....	2.7	4.5	7.1	7.7	8.6	8.1	6.1	3.0	1.2	-3.5	6.7	5.1	3.0	8.1	8.2
Germany <sup>a</sup> .....	5.2	4.5	2.7	4.2	5.1	8.3	10.3	13.1	2.0	-5.9	7.7	7.3	2.9	8.1	6.6
Italy .....	12.2	5.0	4.3	12.0	6.1	9.0	9.4	3.3	7.4	-8.8	6.8	9.6	-1.1	9.9	6.1
United Kingdom .....	9.9	2.5	6.9	7.9	12.8	7.4	0.5	-5.0	6.8	3.2	5.4	5.5	9.1	9.5	7.8
<b>17 smaller countries</b> .....	5.4	4.6	6.3	12.3	7.7	9.7	9.1	2.6	4.5	3.0	5.5	11.2	7.6	11.4	7.8
Austria .....	10.0	6.2	-2.9	5.4	10.4	8.4	7.3	6.5	1.8	-0.7	8.3	7.0	6.3	8.7	6.8
Belgium .....	6.3	0.2	4.5	6.1	9.7	9.4	4.9	2.8	4.1	-0.7	8.2	6.1	2.2	6.3	5.5
Cyprus .....	16.4	-4.5	-11.0	5.5	13.4	20.4	5.8	2.2	18.2	-18.1	8.2	11.5	6.8	1.3	3.6
Denmark .....	5.5	8.1	6.8	-2.0	1.5	4.2	1.5	3.9	0.2	-1.2	13.2	9.9	3.7	9.8	4.8
Finland .....	1.6	6.4	2.6	9.2	11.1	8.9	-0.6	-13.5	0.6	1.3	12.8	7.9	6.3	11.4	8.1
Greece .....	0.2	12.8	3.8	16.6	8.0	10.6	8.7	6.0	4.9	1.0	4.1	6.2	4.9	5.4	4.5
Iceland .....	9.1	9.4	0.9	23.3	-4.6	-10.3	1.0	5.7	-8.0	-8.6	4.2	3.8	16.6	8.0	25.0
Ireland .....	9.9	3.2	5.6	6.2	4.9	13.5	5.1	2.3	7.9	7.2	14.8	15.8	12.2	15.6	21.3
Israel .....	-1.1	-3.7	11.2	19.6	-2.8	-5.0	9.5	16.0	8.8	14.1	10.9	7.2	8.1	2.8	2.1
Luxembourg .....	13.9	7.0	3.8	7.5	8.2	6.6	4.5	9.0	-0.8	2.8	-0.1	3.8	1.0	6.1	7.0
Malta .....	3.9	9.2	0.1	12.3	11.1	11.1	15.7	5.4	3.0	5.9	7.5	10.0	-6.3	-2.4	1.6
Netherlands .....	5.0	6.3	3.5	4.2	7.6	6.7	4.2	4.1	2.1	-2.1	6.7	7.5	5.3	7.1	6.8
Norway .....	5.8	8.9	11.8	-6.5	-2.4	2.2	2.5	0.2	0.7	4.4	6.9	3.5	8.3	12.3	6.9
Portugal .....	-4.4	1.4	16.9	23.1	18.0	6.1	14.0	7.3	10.7	-3.3	9.0	7.8	7.5	10.4	15.0
Spain .....	-1.8	8.0	14.4	20.1	14.4	17.3	7.8	9.0	6.9	-5.2	11.3	11.0	7.4	12.2	11.5
Sweden .....	5.4	7.8	4.5	7.7	5.3	7.4	0.7	-4.9	1.1	-2.5	13.2	10.2	3.7	11.7	8.9
Switzerland .....	8.3	3.7	8.1	6.2	5.2	5.9	2.6	-1.6	-4.2	0.1	7.9	5.1	2.7	7.9	8.7
Turkey .....	19.7	-6.6	-3.5	23.0	-4.5	6.9	33.1	-5.3	10.9	35.8	-21.9	29.6	20.5	22.4	1.8
<b>North America</b> .....	23.8	6.7	8.4	6.1	4.7	4.1	3.7	-0.3	7.4	9.1	11.6	8.6	8.9	13.8	10.3
Canada .....	18.2	8.9	8.6	5.7	13.9	6.3	2.3	3.2	6.3	8.1	8.3	6.4	5.4	13.3	6.4
United States .....	24.3	6.5	8.4	6.1	3.9	3.9	3.9	-0.7	7.5	9.1	11.9	8.8	9.2	13.9	10.6
<b>Total above</b> .....	15.2	5.5	6.9	7.6	6.3	6.4	5.7	1.8	5.8	3.7	9.0	8.5	6.8	11.8	8.8
Japan .....	10.5	-1.4	1.9	9.5	20.9	18.6	7.9	-3.1	-0.7	-0.3	8.9	14.2	11.9	0.5	-7.7
<b>Total above, including Japan</b> ...	14.4	4.4	6.2	7.9	8.6	8.3	6.1	1.0	4.8	3.1	8.9	9.4	7.6	10.0	6.2
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	5.9	4.8	5.8	8.8	8.5	9.0	6.7	4.5	4.2	-3.6	7.6	7.5	4.0	9.1	7.6
Euro area .....	5.3	5.0	5.6	9.0	8.0	9.4	8.2	6.7	3.8	-5.1	7.9	7.7	3.0	9.0	7.6

*Source:* National statistics.

*Note:* See appendix table A.1.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.



APPENDIX TABLE A.8

**Industrial output in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	2.7	3.4	2.7	2.5	4.4	4.1	2.4	-0.2	-0.9	-2.7	4.5	3.8	0.4	3.9	3.3
<b>4 major countries</b> .....	1.9	3.6	2.2	1.8	4.8	3.8	2.0	-0.3	-1.3	-3.6	4.6	2.6	-0.2	2.8	2.9
France .....	0.3	2.1	0.6	1.2	4.6	3.7	1.5	-1.2	-1.2	-3.9	4.0	2.1	0.2	3.8	4.5
Germany <sup>a</sup> .....	3.0	4.8	1.8	0.4	3.6	4.9	5.2	2.4	-2.3	-7.6	3.6	1.2	0.4	3.4	4.6
Italy .....	3.3	1.4	4.1	2.6	6.9	3.9	-0.5	-0.9	-1.3	-2.1	6.2	6.1	-2.9	2.7	0.8
United Kingdom .....	-	5.5	2.5	4.0	4.8	2.1	-0.4	-3.4	0.4	2.2	5.4	1.7	1.1	0.8	0.5
<b>13 smaller countries</b> .....	4.6	2.9	3.7	4.1	3.5	4.7	3.4	-	0.1	-0.7	4.1	6.4	2.0	6.3	4.2
Austria .....	4.9	4.7	1.2	1.0	4.5	5.8	6.8	1.9	-1.2	-1.5	4.0	4.9	0.8	5.6	3.3
Belgium .....	2.5	2.5	0.8	2.1	5.8	3.4	3.7	-2.0	-	-5.2	1.9	6.5	0.8	4.4	3.3
Finland .....	4.8	2.9	1.9	5.0	3.2	3.6	-0.6	-8.7	1.3	5.6	11.3	6.8	3.2	10.0	7.2
Greece .....	2.3	3.3	-0.3	-1.2	5.0	1.8	-2.4	-1.0	-1.1	-2.9	1.3	1.8	1.2	1.3	7.0
Ireland .....	9.9	3.4	2.2	8.9	10.7	11.6	4.7	3.3	9.1	5.6	11.9	18.9	8.0	15.3	15.5
Israel .....	...	...	3.6	4.8	-3.2	-1.6	8.1	6.7	8.2	6.7	7.5	8.4	14.2	16.2	...
Luxembourg .....	11.7	-1.1	1.9	-0.6	8.7	7.8	2.6	0.3	-0.8	-4.3	5.9	1.4	-1.9	7.2	4.9
Netherlands .....	5.3	-0.1	-	1.2	-	5.2	2.5	1.7	-0.2	-1.1	4.9	2.9	2.7	1.9	1.2
Norway .....	6.5	5.7	4.7	6.2	2.8	9.4	2.3	2.6	5.7	3.8	6.9	5.9	5.2	3.5	-0.9
Portugal .....	2.5	-1.3	7.2	4.4	3.8	6.7	9.0	-	-2.3	-5.2	-0.2	4.7	1.3	2.5	4.0
Spain .....	0.9	1.8	3.3	4.6	3.1	5.1	-0.3	-0.7	-3.0	-4.7	7.6	4.8	-1.3	6.9	5.5
Sweden .....	5.6	2.9	0.2	2.8	2.9	2.9	0.3	-5.2	-1.1	0.5	11.9	11.7	2.3	7.4	4.7
Switzerland .....	2.6	5.6	3.8	1.2	7.8	1.5	4.8	0.5	-1.0	-1.8	4.3	2.0	-0.1	5.4	4.4
Turkey .....	11.0	5.9	11.7	10.6	1.6	3.6	9.5	2.7	5.0	8.0	-6.2	12.7	7.5	11.5	3.4
<b>North America</b> .....	9.3	2.0	1.0	4.6	4.7	1.6	-0.4	-2.2	3.0	3.5	5.5	4.9	4.2	6.0	3.5
Canada .....	12.6	5.4	-0.6	4.4	6.1	-0.4	-2.8	-3.8	1.1	4.5	6.4	4.7	1.3	5.2	2.4
United States .....	9.0	1.6	1.2	4.6	4.5	1.8	-0.2	-2.0	3.1	3.5	5.4	4.9	4.5	6.0	3.6
<b>Total above</b> .....	5.6	2.7	1.9	3.5	4.5	3.0	1.1	-1.1	0.8	0.1	4.9	4.3	2.1	4.8	3.4
Japan .....	9.3	3.7	-0.2	3.5	10.4	4.8	4.2	1.9	-5.8	-4.4	1.3	3.3	2.3	3.5	-6.4
<b>Total above, including Japan</b> ...	6.4	2.9	1.5	3.5	5.7	3.3	1.7	-0.5	-0.5	-0.8	4.2	4.1	2.2	4.6	1.5
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	2.2	3.2	2.2	2.1	4.5	4.1	2.0	-0.4	-1.3	-3.3	5.0	3.4	-	3.5	3.3
Euro area .....	2.6	2.7	2.2	1.8	4.5	4.6	2.5	0.3	-1.6	-4.4	4.8	3.5	-0.2	3.9	3.8

*Source:* National statistics; OECD, *Main Economic Indicators* (Paris), various issues.

*Note:* Growth rates of regional aggregates have been calculated as weighted averages of growth rates in individual countries. Weights were derived from GDP originating in industry in 1990. Data were converted from national currency units into dollars using GDP purchasing power parities.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fourteen countries (excluding Denmark).

APPENDIX TABLE A.9

**Total employment in the ECE market economies, 1984-1998**  
(Percentage change over preceding year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	0.6	0.9	1.1	1.3	1.6	1.7	1.6	0.4	-1.3	-1.7	0.1	1.0	0.8	0.2	1.2
<b>4 major countries</b> .....	0.9	0.7	0.7	0.9	1.6	1.6	1.5	-	-1.6	-1.8	-0.4	0.3	0.2	0.1	0.6
France .....	-0.9	-0.3	0.4	0.3	0.9	1.3	1.0	0.1	-0.7	-1.2	-0.1	1.0	0.2	0.2	1.4
Germany <sup>a</sup> .....	0.2	0.7	1.4	0.7	0.8	1.5	3.0	2.5	-1.8	-1.7	-0.7	-0.4	-1.3	-1.3	-
Italy <sup>b</sup> .....	0.4	0.9	0.8	0.4	0.9	0.2	0.9	0.8	-1.0	-2.9	-1.4	-0.3	-	-0.2	0.2
United Kingdom <sup>c</sup> .....	3.8	1.2	0.2	2.1	3.6	3.2	1.0	-3.2	-2.6	-1.3	0.6	1.1	2.4	1.9	0.9
<b>17 smaller countries</b> .....	0.1	1.2	1.6	1.8	1.6	1.9	1.7	0.9	-0.9	-1.5	0.7	2.0	1.6	0.3	2.1
Austria .....	-0.1	0.3	0.3	-0.1	0.3	1.4	1.9	1.6	0.4	-0.5	0.1	0.2	-0.5	0.3	0.9
Belgium <sup>c</sup> .....	-0.2	0.6	0.6	0.5	1.5	1.6	1.4	0.1	-0.4	-1.1	-1.0	0.5	0.4	0.5	1.2
Cyprus .....	3.8	3.7	1.1	3.1	4.7	3.9	2.8	0.6	4.1	-0.1	2.8	3.4	1.0	0.2	..
Denmark .....	1.7	2.5	2.6	0.9	-0.6	-0.7	-0.7	-0.6	-0.8	-1.5	1.4	1.1	0.8	2.0	1.9
Finland .....	0.4	0.1	-0.4	0.5	0.6	0.7	-0.5	-5.2	-7.0	-6.5	-1.1	1.7	1.0	2.0	2.7
Greece .....	0.4	1.0	0.3	-0.1	1.7	0.4	1.3	-2.3	1.3	1.0	1.9	0.9	1.2	-0.5	1.4
Iceland <sup>b</sup> .....	1.5	3.6	3.2	5.7	-3.0	-1.4	-1.0	-0.1	-1.4	-0.7	0.5	0.8	3.0	1.7	2.1
Ireland <sup>d</sup> .....	-1.9	-2.2	0.2	-0.1	1.0	-0.1	3.3	0.7	1.0	0.6	3.1	5.1	3.9	3.2	6.7
Israel .....	1.5	0.7	1.4	2.6	3.5	0.5	2.1	6.1	4.2	6.1	6.9	5.2	2.4	1.4	1.8
Luxembourg .....	0.6	0.9	2.5	2.7	3.0	3.4	4.2	4.1	2.5	1.8	2.5	2.5	2.8	3.2	4.5
Malta <sup>e</sup> .....	0.6	1.3	2.1	5.9	2.5	0.9	0.8	2.5	1.0	0.5	1.2	3.8	1.0	0.5	0.4
Netherlands <sup>b</sup> .....	0.1	1.9	2.1	1.7	1.6	1.9	2.3	1.3	1.0	-0.1	-0.4	1.4	2.0	2.6	2.7
Norway .....	0.6	2.7	3.0	2.1	-0.8	-2.8	-0.8	-0.8	-0.3	0.2	1.3	2.1	2.5	2.9	2.3
Portugal .....	-1.0	-0.5	2.7	2.3	2.2	1.9	1.7	2.7	-1.7	-2.0	-0.2	-0.7	0.7	1.9	2.8
Spain .....	-2.7	1.1	2.2	3.1	2.9	4.0	2.6	0.2	-1.9	-4.3	-0.9	2.7	2.9	3.0	3.1
Sweden .....	0.8	1.0	0.6	0.8	1.4	1.5	0.9	-1.5	-4.4	-5.2	-1.0	1.5	-0.5	-1.0	1.4
Switzerland .....	1.0	2.0	2.3	2.5	2.6	2.7	3.2	1.8	-1.5	-0.8	-0.1	0.1	0.3	-0.3	1.2
Turkey .....	1.5	1.7	1.8	2.3	1.5	2.0	1.8	3.1	0.2	0.2	2.8	3.7	2.0	-2.5	1.5
<b>North America</b> .....	4.6	2.5	1.8	2.9	3.0	2.5	0.6	-0.8	-0.2	1.8	2.5	2.3	1.8	2.5	2.6
Canada .....	2.7	3.0	3.0	2.7	3.2	2.1	0.6	-1.9	-0.6	1.3	2.1	1.6	1.3	1.9	2.5
United States <sup>f</sup> .....	4.8	2.4	1.7	2.9	2.9	2.5	0.6	-0.7	-0.1	1.8	2.5	2.4	1.9	2.6	2.6
<b>Total above</b> .....	2.2	1.5	1.4	1.9	2.2	2.0	1.2	-0.1	-0.8	-0.2	1.1	1.6	1.2	1.2	1.8
Japan .....	0.3	0.6	0.5	0.4	1.2	1.5	1.7	2.0	1.1	0.4	0.1	0.2	0.5	1.1	-0.6
<b>Total above, including Japan</b> ...	1.9	1.4	1.2	1.7	2.0	1.9	1.3	0.3	-0.5	-0.1	0.9	1.3	1.1	1.2	1.4
<i>Memorandum item:</i>															
European Union <sup>g</sup> .....	0.4	0.7	0.9	1.1	1.7	1.7	1.6	-	-1.5	-1.9	-0.3	0.6	0.6	0.5	1.1
Euro area .....	-0.4	0.5	1.1	0.9	1.2	1.4	1.8	1.0	-1.3	-2.1	-0.6	0.5	0.2	0.2	1.1

**Source:** National statistics; OECD, *National Accounts Detailed Tables*, Vol. II, 1998 and *OECD Economic Outlook*, No. 64, December 1998 (Paris); UN/ECE secretariat estimates.

**Note:** All aggregates exclude Israel. National accounts statistics, where available; otherwise annual labour force surveys. Unless otherwise indicated, the data refer to the annual average number of persons employed, i.e. no adjustment is made for part-time workers. Comparisons with previous years are limited due to changes in methodology in Denmark (1989), Israel (1986 and 1996), Malta (1995) and Norway (1989).

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Full-time equivalent data.

<sup>c</sup> June.

<sup>d</sup> Mid-April estimates.

<sup>e</sup> End of year.

<sup>f</sup> Full-time equivalent employees plus the number of self-employed persons (unpaid family workers are not included).

<sup>g</sup> Fifteen countries.

APPENDIX TABLE A.10

Standardized unemployment rates <sup>a</sup> in the ECE market economies, 1984-1998  
(Per cent of civilian labour force)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	9.3	9.4	9.4	9.3	8.7	8.1	7.6	8.0	8.9	10.2	10.6	10.1	10.1	9.9	9.2
<b>4 major countries</b> .....	9.0	9.3	9.3	9.2	8.5	7.9	7.3	7.9	8.8	9.8	10.1	9.8	10.1	10.2	9.7
France .....	9.7	10.1	10.2	10.4	9.8	9.3	9.0	9.5	10.4	11.7	12.3	11.7	12.4	12.4	11.9
Germany <sup>b</sup> .....	7.1	7.1	6.4	6.2	6.2	5.6	4.8	5.6	6.6	7.9	8.4	8.2	8.9	9.9	9.4
Italy .....	8.1	8.5	9.2	9.9	10.0	10.0	9.1	8.8	9.0	10.3	11.4	11.9	12.0	12.1	12.2
United Kingdom .....	11.1	11.5	11.5	10.6	8.7	7.3	7.1	8.8	10.1	10.5	9.6	8.7	8.2	7.0	6.3
<b>17 smaller countries</b> .....	9.7	9.6	9.6	9.4	9.0	8.4	7.9	8.2	9.1	10.7	11.2	10.4	10.1	9.5	8.5
Austria .....	3.8	3.6	3.1	3.8	3.6	3.1	3.2	3.5	3.6	4.0	3.8	3.9	4.4	4.4	4.4
Belgium .....	11.1	10.4	10.3	10.0	8.9	7.5	6.7	6.6	7.3	8.9	10.0	9.9	9.7	9.2	8.8
Cyprus <sup>c</sup> .....	3.3	3.3	3.7	3.4	2.8	2.3	1.8	3.0	1.8	2.6	2.7	2.6	3.1	3.4	3.2
Denmark .....	10.1	9.0	7.8	7.8	6.1	7.4	7.7	8.5	9.2	10.1	8.2	7.3	6.8	5.6	5.1
Finland .....	5.9	6.1	6.7	4.9	4.4	3.1	3.2	7.1	12.5	16.4	16.8	15.3	14.6	12.7	11.4
Greece .....	7.2	7.0	6.6	6.7	6.8	6.7	6.4	7.0	7.9	8.6	8.9	9.2	9.6	9.6	9.3
Iceland .....	1.3	0.9	0.6	0.5	1.2	1.7	1.8	1.5	3.1	4.4	4.8	5.0	4.4	3.9	2.8
Ireland .....	15.5	16.9	16.8	16.6	16.2	14.7	13.4	14.8	15.4	15.6	14.3	12.3	11.6	9.9	7.8
Israel .....	5.9	6.7	7.1	6.1	6.4	8.9	9.6	10.6	11.2	10.0	7.8	6.9	6.7	7.7	8.6
Luxembourg .....	3.1	2.9	2.6	2.5	2.0	1.8	1.7	1.7	2.1	2.7	3.2	2.9	3.0	2.8	2.8
Malta <sup>c</sup> .....	8.6	8.1	6.9	4.4	4.0	3.7	3.8	3.6	4.0	4.5	4.1	3.8	4.4	5.0	4.9
Netherlands .....	9.3	8.3	8.3	8.0	7.6	6.9	6.2	5.8	5.6	6.6	7.1	6.9	6.3	5.2	4.0
Norway .....	3.2	2.6	2.0	2.1	3.3	5.0	5.3	5.6	6.0	6.1	5.5	5.0	4.9	4.1	3.4
Portugal .....	8.5	8.7	8.4	6.9	5.5	4.9	4.6	4.0	4.2	5.7	7.0	7.3	7.3	6.8	4.9
Spain .....	20.3	21.7	21.2	20.6	19.5	17.2	16.2	16.4	18.4	22.7	24.1	22.9	22.2	20.8	18.8
Sweden .....	3.3	2.9	2.7	2.2	1.8	1.6	1.7	3.1	5.6	9.1	9.4	8.8	9.6	9.9	8.2
Switzerland .....	1.0	0.8	0.7	0.7	0.6	0.5	0.5	1.1	2.5	4.5	4.7	4.2	4.7	5.2	3.8
Turkey .....	7.6	7.1	7.9	8.3	8.4	8.6	8.0	7.9	8.0	7.7	8.1	6.9	6.0	5.7	5.6
<b>North America</b> .....	7.9	7.5	7.3	6.5	5.7	5.5	5.9	7.2	7.9	7.4	6.5	6.0	5.8	5.4	4.9
Canada .....	11.3	10.5	9.6	8.8	7.8	7.5	8.2	10.4	11.3	11.2	10.4	9.5	9.7	9.2	8.3
United States .....	7.5	7.2	7.0	6.2	5.5	5.3	5.6	6.8	7.5	6.9	6.1	5.6	5.4	4.9	4.5
<b>Total above</b> .....	8.7	8.6	8.5	8.1	7.4	7.0	6.8	7.7	8.5	9.0	8.8	8.3	8.3	7.9	7.3
Japan .....	2.7	2.6	2.8	2.8	2.5	2.3	2.1	2.1	2.2	2.5	2.9	3.2	3.4	3.4	4.1
<b>Total above, including Japan</b> ...	7.7	7.6	7.5	7.2	6.6	6.2	6.1	6.8	7.4	7.9	7.9	7.5	7.5	7.2	6.8
<i>Memorandum item:</i>															
European Union <sup>d</sup> .....	9.8	10.0	9.9	9.7	9.1	8.3	7.7	8.2	9.2	10.7	11.1	10.7	10.8	10.6	9.9
Euro area .....	9.8	10.1	10.0	10.0	9.6	8.9	8.2	8.3	9.2	10.9	11.6	11.4	11.6	11.6	10.9

**Source:** National statistics; OECD, *Quarterly Labour Force Statistics*, No. 4, 1998, *Main Economic Indicators*, various issues and *OECD Economic Outlook*, No. 64, December 1998 (Paris); UN/ECE secretariat estimates.

**Note:** All aggregates exclude Israel. Comparisons with previous years are limited by changes in methodology in Austria (1994), Germany (1984), Israel (1985 and 1995), Italy (1993), Malta (1994), Portugal (1992) and the United States (1990 and 1994).

<sup>a</sup> ILO definition, except for Austria (1984-1992), Cyprus, Denmark (1984-1987), Iceland, Israel, Malta, Switzerland and Turkey.

<sup>b</sup> West Germany 1984-1990.

<sup>c</sup> End of year.

<sup>d</sup> Fifteen countries.

APPENDIX TABLE A.11

**Consumer prices in the ECE market economies, 1984-1998**  
(Percentage change over previous year)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Western Europe</b> .....	6.7	5.8	3.5	3.2	3.5	5.0	5.4	5.0	4.3	3.5	2.9	3.0	2.3	1.9	1.6
<b>4 major countries</b> .....	6.0	5.4	2.7	2.8	3.2	4.9	5.0	4.7	4.2	3.2	2.7	3.0	2.4	1.9	1.6
France .....	7.4	5.8	2.7	3.1	2.7	3.6	3.3	3.2	2.4	2.1	1.7	1.7	2.0	1.2	0.7
Germany <sup>a</sup> .....	2.3	2.2	-0.2	0.3	1.2	2.8	2.7	3.6	5.1	4.5	2.7	1.8	1.5	1.8	0.9
Italy .....	10.6	8.6	6.1	4.6	5.0	6.6	6.1	6.5	5.3	4.2	3.9	5.4	3.9	1.7	1.8
United Kingdom .....	5.0	6.1	3.4	4.1	4.9	7.8	9.5	5.9	3.7	1.6	2.4	3.5	2.4	3.1	3.4
<b>16 smaller countries</b> .....	8.4	6.8	5.2	4.0	4.1	5.3	6.2	5.8	4.5	4.0	3.3	3.0	2.3	1.8	1.5
Austria .....	5.6	3.2	1.7	1.4	2.0	2.5	3.2	3.4	4.0	3.7	3.0	2.2	1.9	1.3	0.9
Belgium .....	6.4	4.9	1.3	1.5	1.1	3.2	3.4	3.2	2.4	2.8	2.4	1.5	2.0	1.6	1.0
Cyprus .....	6.0	5.1	1.2	2.8	3.4	3.8	4.5	5.0	6.5	4.9	4.7	2.6	2.9	3.6	2.2
Denmark .....	6.3	4.7	3.6	4.0	4.6	4.8	2.7	2.4	2.1	1.3	2.0	2.1	2.0	2.2	1.9
Finland .....	7.1	5.9	2.9	4.1	5.1	6.6	6.2	4.3	3.0	2.1	1.1	1.0	0.5	1.2	1.4
Greece .....	18.4	19.3	23.0	16.4	13.5	13.7	20.4	19.5	15.9	14.4	10.7	8.8	8.3	5.5	4.8
Iceland .....	29.2	32.6	22.7	18.8	19.1	20.8	15.4	6.8	3.7	4.1	1.5	1.7	2.3	1.8	1.7
Ireland .....	8.6	5.5	3.8	3.1	2.1	4.1	3.3	3.2	3.1	1.4	2.3	2.5	1.7	1.4	2.4
Israel .....	373.8	304.6	48.1	19.9	16.3	20.2	17.2	19.0	12.0	11.0	12.3	10.1	11.3	9.0	5.4
Luxembourg .....	6.4	4.1	0.3	-0.1	1.4	3.4	3.3	3.1	3.2	3.6	2.2	1.9	1.3	1.4	1.0
Malta .....	-0.4	-0.3	2.0	0.5	0.9	0.9	3.0	2.5	1.6	4.1	4.1	4.0	2.5	3.2	2.2
Netherlands .....	3.1	2.3	0.2	-0.8	0.7	1.1	2.5	3.1	3.2	2.6	2.7	2.0	2.0	2.2	2.0
Norway .....	6.2	5.7	7.2	8.7	6.7	4.6	4.1	3.4	2.3	2.3	1.4	2.4	1.3	2.6	2.3
Portugal .....	28.9	19.6	11.8	9.4	9.7	12.6	13.4	10.5	9.4	6.7	5.4	4.2	3.1	2.3	2.8
Spain .....	11.3	8.8	8.8	5.2	4.8	6.9	6.7	5.9	5.9	4.6	4.8	4.6	3.6	2.0	1.8
Sweden .....	8.0	7.4	4.2	4.2	5.8	6.5	10.4	9.4	2.2	4.7	2.2	2.5	0.5	0.5	-0.1
Switzerland .....	2.9	3.5	0.8	1.4	1.9	3.1	5.4	5.9	4.0	3.3	0.9	1.8	0.8	0.5	0.1
Turkey .....	48.3	45.0	34.6	38.8	68.8	63.3	60.3	66.0	70.1	66.1	105.2	88.0	79.8	84.8	86.2
<b>North America</b> .....	4.3	3.6	2.1	3.7	4.1	4.8	5.4	4.3	2.9	2.9	2.4	2.8	2.8	2.2	1.5
Canada .....	4.3	4.0	4.1	4.4	4.0	5.0	4.8	5.6	1.5	1.8	0.2	2.2	1.6	1.6	0.9
United States .....	4.3	3.6	1.9	3.6	4.1	4.8	5.4	4.2	3.0	3.0	2.6	2.8	3.0	2.3	1.6
<b>Total above</b> .....	5.6	4.7	2.8	3.4	3.8	4.9	5.4	4.7	3.6	3.2	2.6	2.9	2.6	2.1	1.5
Japan .....	2.3	2.0	0.7	-	0.7	2.4	3.1	3.2	1.7	1.3	0.7	-0.1	0.1	1.8	0.6
<b>Total above, including Japan</b> ...	5.0	4.3	2.4	2.8	3.3	4.5	5.0	4.4	3.3	2.9	2.3	2.4	2.2	2.0	1.4
<i>Memorandum item:</i>															
European Union <sup>b</sup> .....	6.9	5.9	3.5	3.1	3.5	5.1	5.4	5.0	4.3	3.5	2.9	3.0	2.4	1.9	1.6
Euro area .....	7.0	5.5	3.1	2.6	2.9	4.4	4.2	4.4	4.4	3.6	2.9	2.9	2.4	1.7	1.3

*Source:* National statistics.

*Note:* All aggregates exclude Israel and Turkey.

<sup>a</sup> West Germany 1984-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE B.1

**Real GDP/NMP in the ECE transition economies, 1980, 1985-1998**  
(Indices, 1989=100)

	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b>	89.4	94.6	97.7	99.2	100.7	100.0	92.5	82.5	78.4	77.9	81.2	86.1	89.6	92.2	94.0
Albania	79.4	88.2	93.1	92.4	91.0	100.0	90.0	64.8	60.1	65.9	71.4	80.9	88.2	82.1	88.6
Bosnia and Herzegovina	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bulgaria	76.2	89.9	93.6	99.3	101.9	100.0	90.9	83.3	77.2	76.1	77.5	79.7	71.6	66.6	68.6
Croatia <sup>a</sup>	99.0	99.8	102.6	102.5	101.6	100.0	92.9	73.3	64.7	59.5	63.0	67.3	71.4	76.0	78.3
Czech Republic	..	91.3	93.2	93.7	95.7	100.0	98.8	87.4	84.6	85.0	87.8	93.4	97.0	98.0	95.4
Hungary	86.3	94.1	95.5	99.4	99.3	100.0	96.5	85.0	82.4	81.9	84.4	85.6	86.8	90.7	95.3
Poland	91.1	90.3	94.1	95.9	99.8	100.0	88.4	82.2	84.4	87.6	92.1	98.6	104.5	111.7	117.1
Romania	88.5	103.4	105.8	106.7	106.2	100.0	94.4	82.2	75.0	76.2	79.2	84.8	88.2	82.1	76.1
Slovakia	..	91.0	94.8	97.1	99.0	100.0	97.5	83.3	77.9	75.1	78.7	84.2	89.7	95.6	99.8
Slovenia	98.9	100.9	104.1	103.5	100.5	100.0	91.9	83.7	79.1	81.4	85.7	89.3	92.4	96.6	100.5
The former Yugoslav															
Republic of Macedonia	93.3	96.0	102.7	101.4	98.1	100.0	89.8	83.5	76.8	69.9	68.6	67.8	68.3	69.3	71.4
Yugoslavia <sup>a</sup>	95.7	98.7	101.4	100.2	98.8	100.0	92.1	81.4	58.7	40.6	41.7	44.2	46.8	50.3	51.6
<b>Baltic states</b>	68.0	81.6	85.7	89.0	95.9	100.0	97.6	89.7	67.9	58.4	55.4	56.7	59.1	63.6	66.3
Estonia	74.5	85.7	88.2	89.2	93.8	100.0	91.9	82.7	71.0	65.0	63.7	66.4	69.0	76.9	80.1
Latvia	68.5	81.3	85.1	89.0	93.6	100.0	102.9	92.2	60.1	51.1	51.5	51.0	52.7	56.2	58.4
Lithuania	64.7	79.8	84.9	88.9	98.4	100.0	96.7	91.2	71.8	60.2	54.3	56.1	58.7	62.3	65.1
<b>CIS<sup>b,c</sup></b>	77.4	90.2	92.3	93.8	97.9	100.0	96.9	91.2	78.4	70.9	60.8	57.5	55.5	56.2	54.6
Armenia	73.5	95.9	97.7	94.5	92.2	100.0	94.5	83.4	48.6	44.3	46.7	49.9	52.8	54.5	58.4
Azerbaijan	79.6	98.8	100.6	105.1	109.7	100.0	88.3	87.7	67.9	52.2	41.9	37.0	37.4	39.6	43.6
Belarus	65.7	85.2	88.9	91.3	92.4	100.0	98.0	96.8	87.5	80.8	70.6	63.3	65.1	72.5	78.5
Georgia	79.4	100.0	98.8	96.8	103.6	100.0	84.9	67.0	36.9	26.1	23.4	24.0	26.6	29.6	30.5
Kazakhstan	87.0	90.8	92.3	92.1	100.1	100.0	99.0	88.1	83.4	75.8	66.2	60.8	61.1	62.1	60.6
Kyrgyzstan	69.1	82.9	83.6	84.7	95.6	100.0	104.8	96.5	83.2	70.3	56.2	53.1	56.9	62.5	63.7
Republic of Moldova	72.1	82.6	89.2	90.3	91.9	100.0	97.6	80.5	57.2	56.5	39.0	38.3	35.3	35.9	32.8
Russian Federation	78.1	90.7	92.9	94.2	98.4	100.0	97.0	92.2	78.8	71.9	62.8	60.2	58.1	58.6	55.9
Tajikistan	80.8	91.8	95.0	93.9	106.9	100.0	100.2	91.7	62.1	52.0	40.9	35.8	29.8	30.3	32.0
Turkmenistan	80.7	89.5	93.4	97.1	107.5	100.0	101.8	97.0	82.5	83.7	69.2	64.2	68.5	60.7	63.8
Ukraine	75.0	88.7	90.0	93.4	95.2	100.0	96.4	88.0	79.2	68.0	52.4	46.0	41.4	40.1	39.4
Uzbekistan	76.0	88.1	88.0	88.4	97.0	100.0	99.2	98.7	87.7	85.7	81.2	80.5	81.9	86.1	89.9
<b>Total above</b>	80.6	91.2	93.7	95.2	98.7	100.0	95.7	88.6	78.1	72.5	66.6	65.8	65.5	66.8	66.4
<i>Memorandum items:</i>															
<b>CETE-5</b>	89.3	92.0	95.1	97.1	99.6	100.0	92.3	83.7	83.4	85.0	88.9	94.2	98.9	104.3	108.1
<b>SETE-7</b>	89.5	99.1	102.3	102.7	102.3	100.0	93.0	80.5	70.1	66.0	68.3	72.5	74.0	71.7	70.3
Czechoslovakia <sup>b</sup>	84.9	92.7	95.1	97.0	99.3	100.0	98.5	84.4	78.8	..	..	..	..	..	..
Yugoslavia (SFR) <sup>a</sup>	97.7	99.5	103.0	101.0	99.4	100.0	92.4	..	..	..	..	..	..	..	..
Former Soviet Union <sup>b</sup>	77.0	89.9	92.0	93.6	97.8	100.0	96.9	91.1	77.9	70.4	60.6	57.4	55.7	56.5	55.1
Former GDR	..	..	..	..	..	100.0	84.5	68.3	73.6	80.4	88.2	92.0	95.0	96.6	98.5

*Source:* UN/ECE Common Database, derived from national and CIS statistics (IMF and World Bank data for Albania).

*Note:* Data for the east European countries are based on a GDP measure, except where otherwise mentioned. For the countries of the former Soviet Union, NMP data for 1980-1990 were chain-linked to GDP data from 1990. Country indices were aggregated with previous year weights (viz., previous year's GDP at 1992 prices).

<sup>a</sup> Gross material product (1980-1989 for Croatia).

<sup>b</sup> Sum of individual country data for former members.

<sup>c</sup> Net material product for 1980-1990 (until 1992 in the case of Turkmenistan).

APPENDIX TABLE B.2

**Real total consumption expenditure in the ECE transition economies, 1980, 1985-1998**  
(Indices, 1989=100 or earliest year available thereafter)

	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bulgaria .....	..	..	..	..	..	100.0	100.6	92.3	89.4	86.2	82.3	80.7	75.3	64.0	..
Croatia .....	..	..	..	..	..	..	..	100.0	87.2	85.3	92.0	106.6	109.2	..	..
Czech Republic .....	..	..	..	91.3	93.1	100.0	104.9	81.0	88.2	90.4	92.6	96.5	102.5	103.2	..
Hungary .....	92.2	99.2	101.5	104.9	102.0	100.0	97.3	92.2	92.8	97.9	95.6	89.3	86.6	88.4	..
Poland .....	108.0	105.1	109.3	111.8	114.7	100.0	88.3	94.9	98.2	103.0	106.9	110.4	118.4	125.6	..
Romania .....	83.9	85.4	85.8	88.7	90.6	100.0	108.9	96.0	90.7	91.8	95.3	105.5	112.9	108.0	104.0
Slovakia .....	..	81.8	85.4	89.2	92.1	100.0	103.3	76.9	75.6	74.3	71.6	73.9	82.0	85.5	..
Slovenia .....	..	..	..	..	..	..	100.0	91.6	88.8	99.1	102.6	110.2	113.1	117.2	..
Estonia .....	..	..	..	..	..	..	..	..	..	100.0	101.2	110.4	116.3	125.7	..
Latvia.....	..	..	..	..	..	..	100.0	76.7	49.2	46.5	47.4	47.0	50.8	52.7	..
Lithuania.....	..	..	..	..	..	..	..	..	..	..	..	100.0	105.6	112.2	..
Armenia .....	..	..	..	..	..	..	100.0	97.4	84.9	66.4	68.9	74.5	76.8	81.5	..
Azerbaijan .....	..	..	..	..	..	..	..	..	..	100.0	80.3	78.0	84.3	93.2	..
Belarus .....	..	..	..	..	..	..	100.0	93.4	84.0	82.1	72.1	65.3	67.4	73.8	..
Georgia .....	..	..	..	..	..	..	100.0	79.2	77.1	45.4	42.4	46.1	..	..	..
Kazakhstan .....	..	..	..	..	..	..	100.0	96.8	96.1	84.9	67.7	55.1	51.2	51.8	..
Kyrgyzstan .....	..	..	..	..	..	..	..	100.0	87.2	77.1	62.0	52.0	55.3	50.8	50.4
Republic of Moldova .....	..	..	..	..	..	..	..	..	..	100.0	82.6	90.3	99.8	111.6	105.3
Russian Federation .....	..	..	..	..	..	..	100.0	93.9	89.0	88.1	85.4	83.1	81.3	82.7	80.6
Ukraine .....	..	..	..	..	..	..	100.0	94.3	88.6	72.0	65.0	62.6	57.4	59.3	..

Source: UN/ECE Common Database, derived from national and CIS statistics.

APPENDIX TABLE B.3

**Real gross fixed capital formation in the ECE transition economies, 1980, 1985-1998**  
(Indices, 1989=100 or earliest year available thereafter)

	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bulgaria .....	..	..	..	..	..	100.0	100.0	80.0	74.1	61.2	61.9	71.8	56.6	44.1	..
Croatia .....	..	..	..	..	..	..	..	100.0	88.5	94.5	93.6	108.2	..	..	..
Czech Republic .....	..	..	..	93.4	99.4	100.0	97.9	80.5	87.7	81.0	95.0	114.9	124.9	118.8	..
Hungary .....	114.7	94.6	100.8	110.7	100.6	100.0	92.9	83.1	81.0	82.6	92.9	88.9	94.8	103.2	..
Poland .....	124.6	111.4	116.4	116.5	126.5	100.0	75.2	71.9	73.6	75.7	82.6	96.2	115.2	140.1	..
Romania .....	163.7	161.5	163.3	161.0	157.6	100.0	64.4	44.0	48.9	52.9	63.9	68.3	72.2	70.1	57.4
Slovakia .....	..	..	..	..	..	..	100.0	74.8	71.5	68.5	64.7	64.6	90.3	103.3	..
Slovenia .....	..	..	..	..	..	..	100.0	88.5	77.1	85.4	97.4	113.8	124.2	138.3	..
Estonia .....	..	..	..	..	..	..	..	..	..	100.0	106.2	110.5	123.1	138.4	..
Latvia.....	..	..	..	..	..	..	100.0	36.1	25.7	21.6	21.8	23.7	29.0	32.2	..
Lithuania.....	..	..	..	..	..	..	..	..	..	..	..	100.0	110.9	137.0	..
Armenia .....	..	..	..	..	..	..	100.0	67.0	8.6	7.9	11.5	9.5	10.5	11.7	..
Azerbaijan .....	..	..	..	..	..	..	..	..	100.0	61.0	115.3	94.5	199.8	333.7	..
Belarus .....	..	..	..	..	..	..	100.0	105.3	85.6	79.1	68.3	48.1	46.6	57.4	..
Georgia .....	..	..	..	..	..	..	100.0	67.3	49.2	18.5	133.4	219.9	..	..	..
Kazakhstan .....	..	..	..	..	..	..	100.0	74.2	61.9	44.2	39.2	24.3	18.5	19.1	..
Kyrgyzstan .....	..	..	..	..	..	..	..	100.0	70.7	55.3	39.3	63.2	54.9	38.7	33.1
Republic of Moldova .....	..	..	..	..	..	..	..	..	..	100.0	56.5	54.5	68.1	64.9	64.8
Russian Federation .....	..	..	..	..	..	..	100.0	84.5	49.4	36.7	27.1	25.1	20.9	19.9	18.5
Ukraine .....	..	..	..	..	..	..	100.0	81.6	69.3	48.2	28.4	19.7	15.2	14.2	..

Source: UN/ECE Common Database, derived from national and CIS statistics.

APPENDIX TABLE B.4

**Real gross industrial output in the ECE transition economies, 1980, 1985-1998**  
(Indices, 1989=100)

	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b>	83.1	91.6	95.5	98.0	100.6	100.0	83.9	67.7	61.4	60.5	65.1	70.1	74.3	78.5	79.6
Albania	77.0	87.5	91.9	93.3	95.2	100.0	86.7	50.4	35.2	31.7	25.8	23.9	27.2	25.7	28.2
Bosnia and Herzegovina	106.0	104.1	104.1	101.1	98.1	100.0	101.8	76.9	25.5	2.0	1.7	2.8	5.2	7.0	8.7
Bulgaria	71.3	88.3	92.4	98.0	101.1	100.0	83.2	66.4	54.2	48.8	54.0	56.4	58.6	52.6	47.7
Croatia	88.7	95.1	99.4	102.0	100.6	100.0	88.7	63.4	54.2	51.0	49.6	49.7	51.3	54.8	56.8
Czech Republic	81.5	92.0	94.5	96.5	98.5	100.0	96.6	75.7	69.8	66.1	67.4	73.3	74.8	78.1	79.4
Hungary	92.9	102.1	104.0	106.4	105.3	100.0	90.7	74.1	66.9	69.6	76.3	79.8	82.5	91.7	103.2
Poland	86.3	88.5	92.3	95.5	100.5	100.0	75.8	69.7	71.7	76.3	85.5	93.8	101.6	113.3	118.6
Romania	76.9	90.5	96.8	99.2	101.9	100.0	81.9	63.3	49.4	50.1	51.7	56.6	60.1	55.8	46.3
Slovakia	76.7	91.6	95.2	98.6	100.8	100.0	94.0	73.1	66.1	62.5	66.8	72.3	74.1	75.3	78.8
Slovenia	90.3	101.0	102.7	101.6	98.9	100.0	89.5	78.4	68.1	66.1	70.4	71.8	72.5	73.2	75.9
The former Yugoslav															
Republic of Macedonia	72.1	88.6	95.0	97.3	95.6	100.0	89.4	74.0	62.3	53.7	48.0	42.9	44.3	45.0	47.0
Yugoslavia	80.0	93.6	96.8	97.6	98.4	100.0	88.0	72.5	57.0	35.7	36.2	37.6	40.4	44.2	45.8
<b>Baltic states</b>	72.6	85.5	89.4	93.1	96.9	100.0	99.0	95.7	64.5	44.8	37.6	38.1	39.9	43.6	45.2
Estonia	78.5	90.2	93.5	96.3	99.3	100.0	100.0	92.8	59.8	48.6	47.1	48.0	49.4	56.0	56.5
Latvia	72.5	86.6	89.9	93.7	97.1	100.0	100.8	100.2	65.6	44.6	40.1	38.7	40.8	46.4	47.3
Lithuania	70.0	82.6	87.2	91.2	95.6	100.0	97.4	94.0	65.8	43.2	31.7	33.4	35.0	36.2	38.7
<b>CIS<sup>a</sup></b>	73.0	87.2	91.0	94.4	98.1	100.0	99.9	93.7	79.1	69.8	54.8	51.6	50.1	51.4	50.2
Armenia	76.3	100.7	105.3	110.3	109.1	100.0	92.5	85.4	44.2	39.7	41.8	42.4	43.0	43.4	42.3
Azerbaijan	76.1	94.5	92.7	96.1	99.3	100.0	93.7	98.2	74.9	69.7	53.9	44.6	41.6	41.7	42.7
Belarus	61.1	79.0	84.3	89.9	95.6	100.0	102.1	101.1	91.6	82.4	68.3	60.3	62.4	74.2	82.3
Georgia	70.6	91.8	93.9	96.2	99.3	100.0	94.3	73.0	39.6	25.0	15.2	13.2	14.1	15.2	14.8
Kazakhstan	72.4	85.8	90.2	94.1	97.6	100.0	99.2	98.3	84.7	72.2	51.9	47.7	47.8	49.7	48.7
Kyrgyzstan	66.7	84.2	87.8	89.0	95.1	100.0	99.4	99.1	72.9	54.5	39.2	32.2	35.1	52.8	55.2
Republic of Moldova <sup>b</sup>	68.7	85.1	87.3	91.6	94.6	100.0	103.2	91.7	66.9	67.1	48.5	46.6	43.6	43.6	38.8
Russian Federation	74.4	87.8	91.8	95.0	98.6	100.0	99.9	91.9	75.4	64.7	51.2	49.5	47.5	48.5	46.0
Tajikistan	72.9	87.1	88.7	93.1	98.2	100.0	101.2	97.6	73.9	68.1	50.8	43.9	33.4	32.7	35.4
Turkmenistan	75.4	86.0	90.1	92.9	96.9	100.0	103.2	108.2	92.0	95.7	72.1	67.5	80.8	54.7	54.8
Ukraine	72.6	86.4	90.0	93.4	97.3	100.0	99.9	95.1	89.0	81.9	59.5	52.4	49.7	49.6	48.8
Uzbekistan	68.5	86.0	91.2	93.4	96.5	100.0	101.8	103.3	96.4	99.9	101.5	101.6	104.2	108.5	114.8
<b>Total above</b>	75.7	88.3	92.2	95.3	98.7	100.0	95.7	86.9	74.0	66.6	57.0	56.1	56.1	58.3	57.8
<i>Memorandum items:</i>															
<b>CETE-5</b>	85.8	91.5	94.8	97.4	100.6	100.0	83.4	72.1	70.2	72.2	79.1	85.9	91.2	99.7	104.7
<b>SETE-7</b>	79.3	91.8	96.6	98.9	100.5	100.0	84.5	61.4	48.9	43.9	45.1	47.8	50.5	48.5	44.1
Czechoslovakia	80.5	91.9	94.8	97.2	99.2	100.0	96.5	75.2	67.6	..	..	..	..	..	..
Yugoslavia (SFR) <sup>a</sup>	86.9	96.4	99.3	99.7	98.7	100.0	88.3	71.7	..	..	..	..	..	..	..
Former Soviet Union	73.0	87.1	91.0	94.4	98.1	100.0	99.9	93.7	78.5	68.8	54.1	51.1	49.7	51.1	50.0
Former GDR	75.2	89.5	92.5	94.7	97.7	100.0	72.7	37.0	34.8	36.8	42.0	44.4	45.9	48.5	52.2

*Source:* UN/ECE Common Database, derived from national and CIS statistics (IMF and World Bank data for Albania).

*Note:* Data for former Czechoslovakia and the SFR of Yugoslavia for 1980 to the breakup obtained as sum of individual country data for former members. For the countries of the former Soviet Union, data for 1980-1990 were chain-linked to national or CIS data from 1990. Country indices were aggregated with previous year gross industrial output weights.

<sup>a</sup> Generated from components.

<sup>b</sup> Excluding Transdniestria since 1993.

APPENDIX TABLE B.5

**Total employment in the ECE transition economies, 1980, 1985-1998**  
(Indices, 1989=100)

	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b>	94.7	96.6	97.4	98.0	97.9	100.0	97.0	91.3	85.0	82.3	82.3	81.9	82.5	82.4	..
Albania	77.9	90.1	93.1	95.9	97.6	100.0	99.2	97.5	76.0	72.7	80.7	79.0	77.5	76.9	76.6
Bosnia and Herzegovina	..	..	..	..	..	100.0	94.6	87.5	22.1	9.9	9.1	10.1	22.5	31.2	..
Bulgaria	100.0	102.2	102.5	102.8	102.4	100.0	93.9	81.6	75.0	73.8	74.3	75.2	75.3	73.3	..
Croatia	87.4	95.9	98.6	100.6	100.4	100.0	96.9	88.5	77.9	76.5	74.8	73.9	73.9	73.4	..
Czech Republic	95.3	97.5	98.5	98.9	99.4	100.0	99.1	93.6	91.2	89.7	90.4	92.8	93.4	92.4	..
Hungary <sup>a</sup>	104.2	102.6	102.6	101.7	100.7	100.0	96.7	86.8	77.0	72.1	70.6	69.3	69.0	69.1	70.3
Poland	102.0	100.8	101.1	100.8	100.1	100.0	95.8	90.1	86.3	84.3	85.1	86.7	88.3	90.8	..
Romania <sup>b</sup>	94.6	96.7	97.5	97.9	98.7	100.0	99.0	98.5	95.5	91.9	91.5	86.7	85.7	82.4	..
Slovakia <sup>a</sup>	91.3	96.8	98.4	99.4	100.2	100.0	98.2	85.9	80.4	80.4	78.9	80.7	81.3	81.0	..
Slovenia <sup>c</sup>	84.0	88.9	90.4	101.9	101.3	100.0	96.1	88.7	83.8	81.3	79.3	79.1	78.7	78.6	78.7
The former Yugoslav															
Republic of Macedonia	79.1	92.7	96.0	100.5	100.1	100.0	98.5	95.6	91.2	86.2	81.7	73.9	70.6	66.8	..
Yugoslavia	83.4	93.7	96.5	99.0	99.8	100.0	97.0	94.1	90.9	88.3	86.5	85.3	84.8	83.6	..
<b>Baltic states<sup>d</sup></b>	94.9	98.0	98.8	99.4	99.6	100.0	98.5	98.9	94.4	89.0	83.2	80.6	80.1	80.9	..
Estonia	..	96.7	97.9	97.6	97.6	100.0	98.6	96.4	91.4	84.5	82.7	78.3	77.0	77.4	..
Latvia	97.0	99.1	99.8	100.4	100.5	100.0	100.1	99.3	92.0	85.6	77.0	74.3	72.3	73.7	..
Lithuania	93.4	97.7	98.5	99.5	99.8	100.0	97.3	99.7	97.5	93.4	88.0	86.4	87.2	87.7	..
<b>CIS</b>	94.3	97.8	98.3	98.9	99.3	100.0	100.2	98.9	96.5	94.1	91.3	90.4	89.6	88.3	..
Armenia	86.6	97.2	98.6	99.5	101.4	100.0	102.4	105.0	99.2	97.0	93.5	92.8	90.2	86.2	84.9
Azerbaijan	79.8	90.9	92.7	95.2	95.8	100.0	100.9	105.8	101.4	101.2	99.0	98.5	100.5	100.7	101.1
Belarus	95.4	98.4	98.8	99.0	99.5	100.0	99.1	96.6	94.1	92.9	90.4	84.8	84.0	84.1	84.5
Georgia	92.7	98.8	100.1	101.0	101.1	100.0	102.3	93.3	73.5	66.4	64.8	79.0	79.1	82.7	83.3
Kazakhstan	86.2	92.6	93.5	94.7	96.0	100.0	101.3	100.1	98.3	89.9	85.4	85.0	84.6	84.0	81.8
Kyrgyzstan	81.9	92.8	95.0	97.9	98.7	100.0	100.5	99.6	105.6	96.6	94.6	94.4	95.0	97.1	97.5
Republic of Moldova <sup>e</sup>	97.3	99.5	99.6	99.7	98.9	100.0	99.1	99.0	98.0	80.7	80.4	80.0	79.4	78.7	77.7
Russian Federation	96.9	99.1	99.5	99.7	99.9	100.0	99.6	97.7	95.3	93.7	90.6	87.9	87.2	85.5	85.1
Tajikistan	76.7	89.5	91.2	94.5	96.9	100.0	103.2	104.9	101.6	98.8	98.8	98.7	92.2	95.3	95.8
Turkmenistan	76.4	89.7	91.7	94.3	96.8	100.0	103.4	105.3	105.4	110.0	111.6	112.1	111.7	112.3	..
Ukraine	99.6	100.6	100.5	100.3	99.9	100.0	99.9	98.3	96.3	94.1	90.5	93.3	91.3	88.8	87.7
Uzbekistan	75.4	86.8	88.9	93.2	95.9	100.0	104.2	109.2	108.7	108.5	109.9	110.8	112.3	113.8	115.4
<b>Memorandum items:</b>															
<b>CETE-5</b>	99.8	99.9	100.4	100.6	100.1	100.0	96.7	89.8	85.1	82.8	82.9	84.1	85.1	86.3	14.2
<b>SETE-7</b>	87.8	92.2	93.4	94.4	94.9	100.0	97.4	93.4	85.0	81.7	81.5	79.0	78.9	77.0	..
<b>Former Soviet Union</b>	93.7	97.8	98.3	98.9	99.3	100.0	100.2	98.9	96.4	94.0	91.1	90.1	89.3	88.1	..

Source: UN/ECE Common Database, derived from national and CIS statistics.

<sup>a</sup> End of year, up to 1992, since 1992 onwards annual average.

<sup>b</sup> End of year.

<sup>c</sup> Self-employed excluded until 1987.

<sup>d</sup> Excluding Estonia until 1985.

<sup>e</sup> Excluding Transnistria since 1993.



APPENDIX TABLE B.6

**Registered unemployment in the ECE transition economies, 1990, 1994-1998**  
(Thousands and per cent of labour force, end of period)

	Thousands						Per cent of labour force					
	1990	1994	1995	1996	1997	1998	1990	1994	1995	1996	1997	1998
<b>Eastern Europe</b> .....	2 773	7 190	6 583	6 300	6 196	..	..	13.6	12.5	11.7	11.9	12.6
Albania .....	150	262	171	158	194	235	9.5	18.0	12.9	12.3	14.9	17.6
Bosnia and Herzegovina .....	..	..	..	185	222	257	..	..	..	..	39*	38*
Bulgaria .....	72	488	424	478	524	465	1.8	12.8	11.1	12.5	13.7	12.2
Croatia .....	196	248	249	269	287	303	..	17.3	17.6	15.9	17.6	18.6
Czech Republic .....	39	167	153	186	269	387	0.7	3.2	2.9	3.5	5.2	7.5
Hungary .....	101	520	496	479	464	404	1.7	10.9	10.4	10.5	10.4	9.1
Poland .....	1 126	2838	2 629	2 360	1 826	1 831	6.5	16.0	14.9	13.2	10.3	10.4
Romania .....	150	1224	998	658	881	1025	1.3	10.9	9.5	6.6	8.8	10.3
Slovakia .....	40	372	330	330	348	427	1.6	14.8	13.1	12.8	12.5	15.6
Slovenia .....	55	124	127	125	129	127	..	14.2	14.5	14.4	14.8	14.6
The former Yugoslav												
Republic of Macedonia <sup>a</sup> .....	156	196	229	245	258	..	..	33.2	37.2	39.8	42.5	..
Yugoslavia <sup>a</sup> .....	688	751	777	827	794	849	..	23.9	24.7	26.1	25.6	27.2
<b>Baltic states</b> .....	..	197	245	237	236	269	..	5.3	6.6	6.4	6.3	7.3
Estonia <sup>b</sup> .....	..	35	34	37	31	35	..	5.1	5.0	5.6	4.6	5.1
Latvia .....	..	84	83	91	85	111	..	6.5	6.6	7.2	6.7	9.2
Lithuania .....	..	78	128	109	120	123	..	4.5	7.3	6.2	6.7	6.9
<b>CIS</b> .....	..	6 011	7 185	8 519	9 673	10 741	..	4.4	5.8	6.6	7.6	8.5
Armenia .....	..	92	132	159	174	134	..	6.0	8.1	9.7	11.0	8.9
Azerbaijan .....	..	24	28	32	38	42	..	0.9	1.1	1.1	1.3	1.4
Belarus .....	..	101	131	183	126	106	..	2.1	2.7	4	2.8	2.3
Georgia .....	..	76	61	58	143	99	..	3.8	3.4	3.2	8.0	4.2
Kazakhstan .....	..	70	140	282	259	252	..	1.0	2.1	4.1	3.9	3.7
Kyrgyzstan .....	..	13	50	77	55	56	..	0.8	3.0	4.5	3.1	3.1
Republic of Moldova .....	..	21	25	23	28	32	..	1.0	1.4	1.5	1.7	1.9
Russian Federation <sup>c</sup> .....	..	5 478	6 431	7280	8 133	8 930	..	7.5	8.9	10.0	11.2	12.4
Tajikistan .....	..	32	35	46	51	54	..	1.8	1.8	2.4	2.8	2.9
Turkmenistan .....	..	..	..	..	..	..	..	..	..	..	..	..
Ukraine .....	..	82	127	351	637	1 003	..	0.3	0.6	1.5	2.8	4.3
Uzbekistan .....	..	22	25	28	29	33	..	0.3	0.3	0.3	0.3	0.4
<b>Total above</b> .....	..	13398	14 013	15 056	16 105	..	..	6.9	7.8	8.1	8.8	9.6
<i>Memorandum items:</i>												
<b>CETE-5</b> .....	1 361	4 021	3 735	3 480	3 036	3 176	..	12.9	12.0	11.2	9.8	10.2
<b>SETE-7</b> .....	1 412	3 169	2 848	2 635	2 936	..	..	14.6	13.7	12.5	14.3	15.4
Russian Federation <sup>d</sup> .....	..	1 637	2 327	2 506	1 999	1 929	..	2.1	3.2	3.4	2.8	2.7

*Source:* National statistics and direct communications from national statistical offices to UN/ECE secretariat.

<sup>a</sup> The data reported on employment cover only the social sector in agriculture, hence unemployment rates are biased upwards. In Yugoslavia, according to the labour force survey, the unemployment rate was 13.8 per cent in October 1997, instead of the officially reported rate of some 26 per cent. Also, in The former Yugoslav Republic of Macedonia, according to the labour force survey, the unemployment rate was 34.5 per cent in April 1998 instead of reported estimates of some 40 per cent.

<sup>b</sup> Job seekers.

<sup>c</sup> Based on Russian Federation Goskomstat's monthly estimates according to the ILO definition, i.e. including all persons not having employment but actively seeking work.

<sup>d</sup> Registered unemployment.

## APPENDIX TABLE B.7

**Consumer prices in the ECE transition economies, 1989-1998**  
(Annual average, percentage change over preceding year)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Albania .....	..	..	35.5	193.1	85.0	21.5	8.0	12.7	33.1	20.3
Bosnia and Herzegovina .....	36.8	594.0	116.2	64 218.3	38 825.1	553.5	-12.1	-21.2	11.8	4.9
Bulgaria .....	6.4	23.8	338.5	91.3	72.9	96.2	62.1	123.1	1 082.6	22.2
Croatia <sup>a</sup> .....	1 200.0	609.5	123.0	663.6	1 516.6	97.5	2.0	3.6	3.7	5.9
Czech Republic .....	1.4	9.9	56.7	11.1	20.8	10.0	9.1	8.9	8.4	10.6
Hungary .....	17.0	28.9	35.0	23.0	22.6	19.1	28.5	23.6	18.4	14.2
Poland .....	264.3	585.8	70.3	45.3	36.9	33.2	28.1	19.8	15.1	11.7
Romania .....	1.1	5.1	170.2	210.7	256.2	137.1	32.2	38.8	154.9	59.3
Slovakia .....	1.3	10.4	61.2	10.2	23.1	13.4	10.0	6.0	6.2	6.7
Slovenia .....	1 285.3	551.6	115.0	207.3	31.7	21.0	13.5	9.9	8.4	7.9
The former Yugoslav										
Republic of Macedonia <sup>a</sup> .....	1 246.0	608.4	114.9	1 505.5	353.1	121.0	16.9	4.1	3.6	1.0
Yugoslavia .....	1 265.0	580.0	122.0	8 926.0	2.2E+14	7.9E+10	71.8	90.5	23.2	30.4
Estonia .....	4.0	18.0	202.0	1 078.2	89.6	47.9	28.9	23.1	11.1	10.6
Latvia .....	5.2	10.9	172.2	951.2	109.1	35.7	25.0	17.7	8.5	4.7
Lithuania .....	2.1	9.1	216.4	1 020.5	410.1	72.0	39.5	24.7	8.8	5.1
Armenia .....	0.8	6.9	174.1	728.7	3 731.8	4 964.0	175.5	18.7	13.8	8.7
Azerbaijan .....	0.5	6.1	106.6	912.6	1 129.7	1 663.9	411.5	19.8	3.6	-0.8
Belarus .....	1.7	5.5	98.6	971.2	1 190.9	2 219.6	709.3	52.7	63.9	73.2
Georgia .....	0.9	4.2	78.7	1 176.9	4 084.9	22 470.6	177.6	39.4	6.9	3.6
Kazakhstan .....	1.8	5.6	114.5	1 504.3	1 662.7	1 879.5	175.9	39.1	17.4	7.3
Kyrgyzstan .....	1.6	5.5	113.9	854.6	1 208.7	278.1	42.9	30.3	25.5	12.1
Republic of Moldova .....	1.1	5.7	114.4	1 308.0	1 751.0	486.4	29.9	23.5	11.8	7.7
Russian Federation .....	2.5	5.3	100.3	1 528.7	875.0	309.0	197.4	47.8	14.7	27.8
Tajikistan .....	1.7	5.9	112.9	822.0	2 884.8	350.3	682.1	422.4	85.4	43.1
Turkmenistan .....	2.5	5.7	88.5	483.2	3 128.4	2 562.1	1 105.3	714.0	83.7	16.8
Ukraine .....	2.0	5.4	94.0	1 209.6	4 734.9	891.2	376.7	80.2	15.9	10.6
Uzbekistan .....	0.7	5.8	97.3	414.5	1 231.8	1 550.0	315.5	56.3	73.2	..

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* From 1992 onwards indices derived from monthly data. Retail prices for Bulgaria and CIS countries for 1989.

<sup>a</sup> Retail prices.

APPENDIX TABLE B.8

**Producer price indices in the ECE transition economies, 1989-1998**  
(Annual average, percentage change over preceding year)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Albania .....	..	..	..	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	129.5	70 374.7	10 967.6	1 184.8	68.7	-4.8	3.2	3.6
Bulgaria .....	2.8	14.7	296.4	56.1	28.3	59.1	48.9	129.7	888.1	22.8
Croatia .....	1 346.7	455.3	146.3	826.0	1 510.4	77.7	0.8	1.3	3.7	-1.5
Czech Republic .....	0.1	2.5	70.3	10.8	9.3	5.4	7.8	4.9	5.1	4.9
Hungary .....	15.4	22.0	32.6	12.3	14.1	12.3	28.5	22.3	20.9	11.4
Poland .....	212.8	622.4	40.9	28.0	32.6	31.0	26.0	13.4	12.2	7.2
Romania .....	..	26.9	220.1	184.8	165.0	140.7	35.3	50.0	150.5	33.6
Slovakia .....	-	5.2	68.9	5.3	17.2	10.0	9.1	4.0	4.6	3.3
Slovenia .....	1 413.3	390.4	124.1	215.7	23.3	17.8	12.4	6.7	6.1	6.0
The former Yugoslav										
Republic of Macedonia .....	1 357.0	393.8	112.0	2 193.5	258.6	88.7	4.7	-0.1	4.2	4.2
Yugoslavia .....	1 301.0	468.0	124.0	8 993.0	1.4E+13	7.9E+10	75.7	88.8	20.6	25.9
Estonia .....	..	19.3	208.4	1 208.0	75.2	36.1	25.5	14.7	8.8	3.8
Latvia .....	..	..	192.0	1 310.0	117.1	17.0	12.0	13.8	4.3	2.0
Lithuania .....	..	..	148.2	1 510.0	391.7	44.7	28.7	16.5	6.0	-3.8
Armenia .....	..	..	120.0	947.0	892.0	4 394.4	187.8	36.3	21.7	4.7
Azerbaijan .....	..	..	135.0	1 303.0	1 040.7	3 971.6	1 340.1	70.6	11.4	-5.5
Belarus .....	..	..	150.0	2 326.7	1 536.3	3 362.1	538.6	35.7	89.4	70.4
Georgia .....	..	..	..	..	..	..	..	..	..	..
Kazakhstan .....	..	..	193.0	2 369.0	1 342.0	2 952.2	173.6	24.8	15.6	1.0
Kyrgyzstan .....	..	..	..	..	..	223.6	34.0	31.0	27.0	9.4
Republic of Moldova .....	..	..	130.0	1 210.9	1 078.5	711.7	52.2	30.2	14.9	9.7
Russian Federation .....	..	..	138.0	1 949.0	887.0	340.0	237.6	50.7	15.0	7.3
Tajikistan .....	..	..	163.0	1 316.5	1 080.0	665.5	351.7	342.2	107.2	28.4
Turkmenistan .....	..	..	211.0	994.0	1 610.0	911.0	296.5	2 974.9	260.6	-30.5
Ukraine .....	..	..	122.0	2 668.8	4 698.3	901.2	450.8	54.6	15.1	13.2
Uzbekistan .....	..	..	147.0	1 296.0	1 119.0	2 162.6	792.5	128.5	53.9	40.5

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* Indices generally derived from monthly data from 1992 onwards for east European countries and from 1994 for Baltic and CIS countries.

APPENDIX TABLE B.9

**Nominal gross wages in industry in the ECE transition economies, 1990-1998**  
(Annual average, percentage change over preceding year)<sup>a</sup>

	1990	1991	1992	1993	1994	1995	1996	1997	1998
Albania <sup>b</sup> .....	..	..	..	69.5	34.5	29.3	..	..	..
Bosnia and Herzegovina <sup>c</sup> .....	..	..	..	..	..	..	249.4	50.8	31.1
Bulgaria .....	20.8	175.5	132.8	55.1	53.9	57.7	95.0	909.3	..
Croatia <sup>c</sup> .....	453.7	40.7	466.7	1 444.1	130.5	44.0	11.8	16.3	..
Czech Republic .....	3.0	16.5	21.0	22.6	16.9	18.3	17.7	12.1	10.7
Hungary <sup>b</sup> .....	27.2	33.4	24.3	24.9	21.4	21.0	21.7	21.8	16.6
Poland <sup>c</sup> .....	365.5	64.0	39.4	37.8	39.8	30.1	25.8	22.1	..
Romania <sup>c</sup> .....	9.7	125.0	173.5	210.7	139.4	55.3	56.7	99.5	53.1
Slovakia <sup>b</sup> .....	4.4	15.0	16.9	23.1	17.7	15.2	14.6	9.3	8.6
Slovenia .....	361.5	68.4	196.7	45.1	27.1	17.1	14.0	12.1	10.5
The former Yugoslav									
Republic of Macedonia <sup>c</sup> .....	433.6	79.2	1 083.7	454.0	105.8	11.1	3.6	2.3	3.1
Yugoslavia <sup>c</sup> .....	400.0	100.6	4 886.4	-62.5	229.6	74.1	74.5	41.7	..
Estonia <sup>d</sup> .....	..	122.2	570.3	93.3	71.3	34.6	23.8	19.7	..
Latvia .....	..	104.5	599.1	111.7	62.7	24.1	14.9	21.6	..
Lithuania .....	15.2	183.9	632.5	231.6	59.3	48.8	34.9	24.2	..
Armenia .....	6.0	46.9	341.1	737.3	3 345.9	203.9	78.8	31.6	..
Azerbaijan .....	4.4	82.9	870.4	700.8	575.7	354.8	53.0	36.8	..
Belarus .....	13.4	113.3	910.9	1 073.8	69.6	618.7	58.5	96.8	112.1
Georgia .....	6.0	33.9	457.3	2 114.7	23 327.5	87.5	145.4	12.7	..
Kazakhstan .....	11.0	91.5	1 056.0	1 008.6	1 422.8	178.2	30.9	22.5	..
Kyrgyzstan .....	0.5	62.1	638.3	745.6	176.3	54.8	29.1	60.3	-1.4
Republic of Moldova .....	14.2	90.1	815.0	773.0	284.4	37.1	38.7	24.9	..
Russian Federation .....	13.0	94.9	1 065.7	798.2	260.2	131.4	64.3	21.6	23.9
Tajikistan .....	8.0	76.2	550.2	917.5	142.2	139.2	418.3	85.4	..
Turkmenistan .....	..	83.8	1 010.1	1 467.7	622.2	686.2	915.3	121.5	25.4
Ukraine .....	..	107.6	1 421.7	2 296.2	747.0	403.5	107.1	17.0	..
Uzbekistan .....	..	82.3	706.1	1 159.3	806.8	278.4	99.8	76.3	..

Source: UN/ECE Common Database, derived from national statistics.

<sup>a</sup> Calculated from reported annual average wages.

<sup>b</sup> Gross wages in total economy. For Hungary for 1990-1992; for Slovakia for 1990-1991.

<sup>c</sup> Net wages in industry. For Poland and Romania for 1990-1992.

<sup>d</sup> Manufacturing for 1991-1993.

APPENDIX TABLE B.10

**Merchandise exports of the ECE transition economies, 1980, 1986-1998**  
(Billion dollars)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b> .....	56.367	60.117	63.550	65.020	63.850	61.733	57.241	59.333	62.675	72.937	94.777	100.206	106.963	117.060*
Albania .....	0.320	0.230	0.230	0.230	0.302	0.231	0.101	0.072	0.123	0.139	0.202	0.213	0.141	0.190*
Bulgaria .....	7.160	7.599	7.841	7.554	6.651	5.232	3.433	3.992	3.769	3.935	5.345	4.890	4.914	4.298*
Czechoslovakia .....	10.475	12.160	12.355	12.381	11.988	10.728	11.319	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	..	8.767	14.463	15.882	21.273	22.180	22.779	26.358
Slovakia .....	..	..	..	..	..	..	..	3.500	5.458	6.714	8.585	8.822	9.639	10.667
Hungary .....	8.609	9.170	9.584	9.999	9.673	9.731	10.226	10.681	8.921	10.701	12.867	15.704	19.100	23.010
Poland .....	13.071	13.130	14.095	14.573	14.665	18.291	14.912	13.187	14.202	17.240	22.887	24.440	25.751	26.313*
Romania .....	9.217	8.159	8.580	8.971	8.076	4.570	4.266	4.363	4.892	6.151	7.910	8.085	8.431	8.296*
Yugoslavia (SFR) .....	7.514	9.669	10.866	11.311	12.496	12.950	12.984	14.772	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	..	1.550	2.100	1.850	..	..	..	..	0.024	0.058	0.109	0.171*
Croatia .....	..	..	..	2.300	2.600	4.020	3.310	4.353	3.709	4.260	4.633	4.512	4.171	4.541
Slovenia .....	1.836	2.567	2.757	3.278	3.408	4.118	3.874	6.681	6.083	6.828	8.316	8.310	8.372	9.049
The former Yugoslav Republic of Macedonia .....	..	..	..	..	0.654	1.113	1.095	1.199	1.055	1.086	1.204	1.147	1.180	1.310*
Yugoslavia .....	..	3.974	4.063	4.298	4.461	4.651	4.704	2.539	..	..	1.531	1.846	2.376	2.858
<b>Baltic states</b> .....	..	..	..	..	..	..	..	2.139	4.197	4.324	5.844	6.877	8.461	8.738
Estonia .....	..	..	..	..	..	..	..	0.444	0.802	1.305	1.838	2.079	2.929	3.214
Latvia .....	..	..	..	..	..	..	..	0.843	1.401	0.988	1.304	1.443	1.672	1.812
Lithuania .....	..	..	..	..	..	..	..	0.852	1.994	2.031	2.705	3.355	3.860	3.712
<b>CIS</b> .....	..	..	..	..	..	..	..	51.110	52.516	62.654	80.007	87.839	89.177	75.146*
Armenia .....	..	..	..	..	..	..	..	0.026	0.030	0.058	0.101	0.157	0.138	0.142
Azerbaijan .....	..	..	..	..	..	..	..	0.754	0.351	0.378	0.352	0.341	0.403	0.320
Belarus .....	..	..	..	..	..	..	1.860	1.061	0.758	1.032	1.776	1.888	1.922	1.900
Georgia .....	..	..	..	..	..	..	..	0.068	0.069	0.039	0.057	0.070	0.102	0.089
Kazakhstan .....	..	..	..	..	..	..	..	1.398	1.501	1.357	2.367	2.738	3.515	3.200
Kyrgyzstan .....	..	..	..	..	..	..	..	0.077	0.112	0.117	0.140	0.112	0.285	0.288
Republic of Moldova .....	..	..	..	..	..	..	..	0.167	0.178	0.160	0.279	0.252	0.267	0.190
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	47.266	42.376	44.297	53.001	65.607	70.975	69.954	57.700
Tajikistan .....	..	..	..	..	..	..	..	0.108	0.227	0.399	0.497	0.439	0.473	0.394
Turkmenistan .....	..	..	..	..	..	..	..	0.908	1.049	0.494	0.951	0.551	0.300	0.202*
Ukraine .....	..	..	..	..	..	..	..	3.297	3.223	4.653	6.168	6.995	8.643	8.200
Uzbekistan .....	..	..	..	..	..	..	..	0.869	0.721	0.966	1.712	3.321	3.175	2.521*
<b>Former Soviet Union</b> .....	57.942	60.043	63.406	62.016	62.286	59.056	46.660	53.733	56.713	66.978	85.851	94.716	97.638	83.884*
<b>Total</b> .....	114.310	120.161	126.957	127.035	126.136	120.788	103.901	113.066	119.389	139.915	180.628	194.922	204.602	200.944*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: Data exclude intra-CIS trade, but now include the "new trade" among members of other recently dissolved federal states: former Czechoslovakia (from 1993), the former SFR of Yugoslavia (from 1992), and the trade of the Baltic states with the former USSR (from 1992). Data excluding the "new trade" were shown in earlier issues of this publication. Changes in the method of recording trade are reflected from 1993 in data for the Czech Republic (inclusion of OPT transactions, etc), from 1995 in Latvia (imports registered c.i.f.) and Lithuania (change from special to general system), from 1996 in Hungary (inclusion of trade flows of free trade zones) and from 1997 in Slovakia (inclusion of OPT transactions, etc.).

All trade values for the years 1991-1998 are expressed in dollars at prevailing market exchange rates. For earlier years, values reported in national currencies were adjusted by the UN/ECE secretariat to remove distortions stemming from mutually inconsistent national rouble/dollar cross-rates in the valuation of the then important intra-CMEA trade flows. For details on the revaluation, see the note to table 2.1.3 and the discussion in box 2.1.1 in UN/ECE, *Economic Bulletin for Europe*, Vol. 43 (1991).

<sup>a</sup> Data not adjusted for non-registered flows. Through 1997, GosTamdok data revised by the Russian Goskomstat and include off board sales of fish and other sea products as well as natural gas deliveries under debt repayment agreements with former CMEA countries.

APPENDIX TABLE B.11

**Merchandise imports of the ECE transition economies, 1980, 1986-1998**  
(Billion dollars)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b> .....	65.443	59.532	62.033	60.158	61.185	63.408	61.610	68.388	76.285	86.128	117.026	135.886	146.134	157.609*
Albania .....	0.320	0.230	0.230	0.280	0.385	0.381	0.409	0.524	0.421	0.549	0.650	0.913	0.620	0.780*
Bulgaria .....	6.321	8.679	8.222	8.131	7.325	5.584	2.700	4.530	5.120	4.272	5.638	5.074	4.886	4.838*
Czechoslovakia .....	10.619	10.277	12.503	12.180	11.772	11.808	10.962	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	..	10.368	14.617	17.427	25.265	27.919	27.563	28.822
Slovakia .....	..	..	..	..	..	..	..	3.889	6.332	6.634	8.777	11.112	11.672	12.959
Hungary .....	9.188	9.594	9.859	9.372	8.863	8.797	11.449	11.123	12.648	14.554	15.466	18.144	21.234	25.700
Poland .....	14.705	12.315	12.686	12.987	12.941	12.619	15.531	16.141	18.758	21.566	29.043	37.137	42.308	47.487*
Romania .....	11.061	6.411	6.355	5.361	5.834	6.889	5.793	6.260	6.522	7.109	10.278	11.435	11.280	10.732*
Yugoslavia (SFR) .....	13.229	12.026	12.178	11.847	14.064	17.330	14.765	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	..	1.300	1.850	1.750	..	..	..	..	0.524	1.204	1.555	1.050*
Croatia .....	..	..	..	2.900	3.750	5.133	3.811	4.346	4.166	5.229	7.510	7.788	9.104	8.383
Slovenia .....	2.463	2.740	2.722	2.914	3.216	4.727	4.131	6.141	6.501	7.304	9.492	9.421	9.358	10.098
The former Yugoslav Republic of Macedonia .....	..	..	..	..	0.934	1.531	1.274	1.206	1.199	1.484	1.719	1.627	1.754	1.912*
Yugoslavia .....	..	4.753	4.851	4.915	5.383	6.701	5.548	3.859	..	..	2.665	4.113	4.801	4.848
<b>Baltic states</b> .....	..	..	..	..	..	..	..	1.802	4.101	5.251	8.006	10.110	12.812	13.744
Estonia .....	..	..	..	..	..	..	..	0.406	0.896	1.659	2.540	3.231	4.444	4.759
Latvia .....	..	..	..	..	..	..	..	0.794	0.961	1.240	1.818	2.320	2.724	3.189
Lithuania .....	..	..	..	..	..	..	..	0.602	2.244	2.352	3.649	4.559	5.644	5.796
<b>CIS</b> .....	..	..	..	..	..	..	..	42.203	33.354	36.745	45.680	49.670	57.977	50.259*
Armenia .....	..	..	..	..	..	..	..	0.050	0.086	0.188	0.340	0.568	0.593	0.675
Azerbaijan .....	..	..	..	..	..	..	..	0.333	0.241	0.292	0.439	0.621	0.443	0.660
Belarus .....	..	..	..	..	..	..	..	0.751	0.779	0.975	1.887	2.369	2.872	3.000
Georgia .....	..	..	..	..	..	..	..	0.227	0.167	0.065	0.233	0.416	0.600	0.680
Kazakhstan .....	..	..	..	..	..	..	..	0.469	0.494	1.384	1.154	1.296	1.969	2.200
Kyrgyzstan .....	..	..	..	..	..	..	..	0.071	0.112	0.108	0.169	0.351	0.274	0.393
Republic of Moldova .....	..	..	..	..	..	..	..	0.179	0.184	0.183	0.272	0.420	0.567	0.600
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	39.294	36.984	26.807	28.344	33.117	32.798	39.363	32.400
Tajikistan .....	..	..	..	..	..	..	..	0.132	0.374	0.314	0.332	0.286	0.268	0.265
Turkmenistan .....	..	..	..	..	..	..	..	0.030	0.501	0.782	0.619	0.924	0.531	0.471*
Ukraine .....	..	..	..	..	..	..	..	2.049	2.651	2.908	5.488	6.427	7.242	6.600
Uzbekistan .....	..	..	..	..	..	..	..	0.929	0.958	1.202	1.630	3.195	3.255	2.315*
<b>Former Soviet Union</b> .....	52.218	55.016	53.794	58.044	64.983	64.963	45.405	44.166	37.455	41.997	53.686	59.780	70.788	64.003*
<b>Total</b> .....	117.661	114.548	115.827	118.202	126.168	128.371	106.901	112.554	113.740	128.124	170.712	195.667	216.923	221.612*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: See appendix table B.10.

<sup>a</sup> Data not adjusted for non-registered flows. Through 1997, GosTamkom data revised by the Russian Goskomstat and include off board sales of fish and other sea products as well as natural gas deliveries under debt repayment agreements with former CMEA countries.

APPENDIX TABLE B.12

**Balance of merchandise trade of the ECE transition economies, 1980, 1986-1998**  
(Billion dollars)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>Eastern Europe</b> .....	-9.076	0.585	1.517	4.861	2.665	-1.675	-4.369	-9.055	-13.610	-13.190	-22.250	-35.681	-39.171	-40.548*
Albania .....	-	-	-	-0.050	-0.083	-0.150	-0.308	-0.452	-0.298	-0.410	-0.448	-0.701	-0.479	-0.590*
Bulgaria .....	0.839	-1.080	-0.381	-0.577	-0.674	-0.352	0.732	-0.538	-1.352	-0.336	-0.293	-0.184	0.028	-0.540*
Czechoslovakia .....	-0.144	1.882	-0.147	0.201	0.216	-1.080	0.356	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	..	-1.601	-0.154	-1.545	-3.992	-5.739	-4.784	-2.464
Slovakia .....	..	..	..	..	..	..	..	-0.389	-0.874	0.080	-0.192	-2.290	-2.033	-2.292
Hungary .....	-0.579	-0.423	-0.276	0.627	0.810	0.934	-1.223	-0.442	-3.727	-3.853	-2.599	-2.440	-2.134	-2.690
Poland .....	-1.634	0.815	1.409	1.586	1.724	5.672	-0.619	-2.955	-4.555	-4.326	-6.156	-12.697	-16.556	-21.174*
Romania .....	-1.844	1.748	2.225	3.610	2.242	-2.320	-1.528	-1.897	-1.630	-0.958	-2.368	-3.351	-2.849	-2.436*
Yugoslavia (SFR) .....	-5.715	-2.357	-1.312	-0.536	-1.568	-4.380	-1.780	14.772	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	..	0.250	0.250	0.100	..	..	..	..	-0.500	-1.146	-1.446	-0.879*
Croatia .....	..	..	..	-0.600	-1.150	-1.113	-0.501	0.007	-0.457	-0.969	-2.877	-3.276	-4.933	-3.842
Slovenia .....	-0.626	-0.173	0.035	0.365	0.192	-0.609	-0.257	0.540	-0.418	-0.476	-1.176	-1.111	-0.986	-1.049
The former Yugoslav Republic of Macedonia .....	..	..	..	..	-0.280	-0.418	-0.179	-0.007	-0.144	-0.398	-0.515	-0.480	-0.574	-0.602*
Yugoslavia .....	..	-0.779	-0.788	-0.617	-0.922	-2.050	-0.844	-1.320	..	..	-1.134	-2.267	-2.425	-1.990
<b>Baltic states</b> .....	..	..	..	..	..	..	..	0.337	0.096	-0.927	-2.162	-3.232	-4.350	-5.006
Estonia .....	..	..	..	..	..	..	..	0.038	-0.094	-0.353	-0.702	-1.152	-1.515	-1.545
Latvia .....	..	..	..	..	..	..	..	0.049	0.440	-0.252	-0.514	-0.877	-1.052	-1.377
Lithuania .....	..	..	..	..	..	..	..	0.250	-0.250	-0.322	-0.944	-1.204	-1.784	-2.084
<b>CIS</b> .....	..	..	..	..	..	..	..	8.907	19.163	25.909	34.328	38.168	31.200	24.887*
Armenia .....	..	..	..	..	..	..	..	-0.024	-0.056	-0.130	-0.239	-0.411	-0.456	-0.533
Azerbaijan .....	..	..	..	..	..	..	..	0.422	0.110	0.086	-0.087	-0.280	-0.040	-0.340
Belarus .....	..	..	..	..	..	..	1.860	0.310	-0.021	0.057	-0.111	-0.481	-0.950	-1.100
Georgia .....	..	..	..	..	..	..	..	-0.159	-0.098	-0.026	-0.176	-0.346	-0.498	-0.591
Kazakhstan .....	..	..	..	..	..	..	..	0.930	1.007	-0.027	1.213	1.442	1.547	1.000
Kyrgyzstan .....	..	..	..	..	..	..	..	0.006	-	0.009	-0.029	-0.239	0.011	-0.105
Republic of Moldova .....	..	..	..	..	..	..	..	-0.012	-0.006	-0.023	0.007	-0.168	-0.300	-0.410
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	7.972	5.392	17.491	24.657	32.490	38.177	30.591	25.300
Tajikistan .....	..	..	..	..	..	..	..	-0.024	-0.147	0.086	0.165	0.154	0.205	0.129
Turkmenistan .....	..	..	..	..	..	..	..	0.879	0.548	-0.288	0.332	-0.374	-0.231	-0.269*
Ukraine .....	..	..	..	..	..	..	..	1.248	0.572	1.745	0.680	0.568	1.401	1.600
Uzbekistan .....	..	..	..	..	..	..	..	-0.060	-0.237	-0.236	0.082	0.126	-0.080	0.206*
<b>Former Soviet Union</b> .....	5.724	5.027	9.612	3.972	-2.697	-5.907	1.255	9.567	19.259	24.982	32.165	34.936	26.850	19.881*
<b>Total</b> .....	-3.351	5.613	11.130	8.833	-0.032	-7.583	-3.000	0.512	5.649	11.791	9.916	-0.745	-12.321	-20.667*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: See appendix table B.10.

<sup>a</sup> Data not adjusted for non-registered flows. Through 1997, GosTAMKOM data revised by the Russian Goskomstat and include off board sales of fish and other sea products as well as natural gas deliveries under debt repayment agreements with former CMEA countries.

APPENDIX TABLE B.13

**Merchandise trade of the ECE transition economies by direction, 1980, 1986-1998**  
(Shares in total trade, per cent)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998 <sup>a</sup>
<b>Eastern Europe, to and from:</b>														
<i>Exports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	48.5	52.5	50.2	46.5	44.4	38.1	28.5	23.0	28.2	26.3	25.8	26.1	26.0	23.6
Former Soviet Union .....	27.1	31.0	29.7	27.2	25.5	22.3	17.9	12.4	9.8	9.0	8.9	9.4	10.4	8.5
Eastern Europe .....	21.4	21.5	20.5	19.3	18.9	15.8	10.7	10.7	18.5	17.4	16.9	16.7	15.6	15.1
Developed market economies .....	35.7	32.3	35.2	38.7	42.6	49.5	59.8	63.0	58.0	62.5	64.5	65.0	66.3	70.5
Developing economies .....	15.8	15.2	14.6	14.8	13.0	12.4	11.7	14.0	13.8	11.2	9.7	8.9	7.7	5.9
<i>Imports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	42.0	50.3	45.6	40.5	36.4	26.6	25.5	24.7	29.3	26.1	25.3	23.8	22.2	19.7
Former Soviet Union .....	26.8	34.5	30.7	26.3	23.5	18.3	20.2	17.9	16.5	14.1	13.2	12.7	11.4	19.7
Eastern Europe .....	18.8	21.2	20.5	19.6	18.7	14.3	8.1	6.8	12.8	12.0	12.1	11.1	10.8	8.9
Developed market economies .....	38.7	32.3	36.1	41.1	44.0	53.3	58.3	64.4	61.5	65.0	65.8	66.6	68.0	70.4
Developing economies .....	19.3	17.4	18.3	18.4	19.5	20.1	16.1	10.9	9.2	9.0	8.9	9.6	9.8	9.8
<b>Former Soviet Union/Russian Federation, to and from:</b>														
<i>Exports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	34.5	38.5	33.5	29.4	26.6	21.8	25.9	22.3	18.1	15.1	16.8	18.2	19.5	18.7
Eastern Europe .....	34.5	38.5	33.5	29.4	26.6	21.8	25.9	20.7	16.8	11.7	13.2	14.3	14.9	14.8
Developed market economies .....	42.2	31.0	35.3	38.9	41.8	49.5	56.5	57.9	59.7	66.6	60.6	58.1	58.6	59.9
Developing economies .....	23.3	30.5	31.2	31.7	31.6	28.7	17.6	19.9	22.2	18.3	22.6	23.8	21.9	21.4
<i>Imports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	31.5	38.6	38.2	32.4	27.6	24.7	26.0	15.9	10.6	14.1	15.5	12.6	13.7	12.6
Eastern Europe .....	31.5	38.6	38.2	32.4	27.6	24.7	26.0	15.0	10.0	11.7	12.4	10.6	11.1	10.4
Developed market economies .....	46.4	40.9	40.7	46.3	50.1	52.9	58.1	62.4	60.6	70.3	69.5	67.8	68.2	67.5
Developing economies .....	22.1	20.5	21.1	21.3	22.3	22.4	15.9	21.7	28.8	15.6	15.0	19.6	18.1	19.9

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* Data for 1980-1990 refer to the east European CMEA countries (Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland and Romania) and to the former Soviet Union. Trade data in national currencies were revalued at consistent rouble/dollar cross-rates (see the note to appendix table B.10). For 1991-1997, eastern Europe covers Bulgaria, former Czechoslovakia (from 1993, Czech Republic and Slovakia including their mutual trade), Hungary, Poland and Romania, and the second panel reflects non-CIS trade of the Russian Federation only.

Partner-country grouping has been recently revised with subsequent revisions back to 1980. Thus, the earlier reported "Transition economies" group is now replaced by "ECE transition economies", which covers the Baltic states, CIS and the east European countries including the successor states of the former SFR of Yugoslavia. The "Eastern Europe" partner-group now covers Albania, Bulgaria, the Czech Republic, Hungary, Poland, Romania, Slovakia and the successor states of the former SFR of Yugoslavia, which earlier were in the "Other socialist countries" subgroup. The rest of subgroup "Other socialist countries", which in previous series covered China, Cuba, Democratic People's Republic of Korea, Mongolia and Viet Nam, is now included in the "Developing countries" group.

<sup>a</sup> January-September.



APPENDIX TABLE B.14

**Exchange rates of the ECE transition economies, 1980, 1986-1998**  
(Annual averages, national currency units per dollar)

	Unit <sup>a</sup>	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Albania	lek	..	..	..	..	..	8.90	24.20	75.03	102.06	94.62	93.14	104.33	148.93	150.63
Bulgaria	lev	0.86	0.94	0.87	0.83	0.84	0.79	17.45	23.42	27.85	54.13	67.08	177.88	1 681.87	1 760.37
Czechoslovakia	koruna	5.37	16.20	14.79	14.37	15.06	18.56	29.56	28.30	..	..	..	..	..	..
Czech Republic	koruna	..	..	..	..	..	..	..	..	29.15	28.79	26.54	27.14	31.70	32.29
Slovakia	koruna	..	..	..	..	..	..	..	..	30.80	31.93	29.71	30.68	33.62	35.15
Hungary	forint	32.64	45.83	46.97	50.41	59.07	63.21	74.73	78.98	91.91	105.11	125.69	152.65	186.79	214.40
Poland	zloty <sup>b</sup>	3.05	175.28	265.08	430.64	1 439	9 500	10 576	13 627	18 136	22 723	2.42	2.70	3.28	3.49
Romania	leu	4.47	16.80	16.00	16.00	16.00	22.43	71.84	307.98	760.12	1 654	2 033	3 085	7 183	8 876
Yugoslavia (SFR)	dinar <sup>c</sup>	24.64	379.22	737.00	25 239	28 760	11.32	19.64	..	..	..	..	..	..	..
Bosnia and Herzegovina	dinar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croatia	kuna <sup>d</sup>	..	..	..	..	..	..	18.80	264.30	3 577.63	6.00	5.23	5.43	6.10	6.36
Slovenia	tolar	..	..	..	..	..	..	27.57	81.29	113.24	128.81	118.52	135.37	159.69	166.13
The former Yugoslav															
Republic of Macedonia	denar <sup>e</sup>	..	..	..	..	..	..	19.69	508.07	23.26	43.25	38.05	39.92	50.40	54.48
Yugoslavia	dinar <sup>f</sup>	..	..	..	..	..	..	19.64	508.07	..	..	4.74	4.96	5.72	5.99
Estonia	kroon <sup>g</sup>	..	..	..	..	..	..	..	12.11	13.22	12.98	11.46	12.03	13.88	14.08
Latvia	lats <sup>h</sup>	..	..	..	..	..	..	..	..	0.67	0.56	0.53	0.55	0.58	0.59
Lithuania	litas <sup>i</sup>	..	..	..	..	..	..	..	..	4.37	3.98	4.00	4.00	4.00	4.00
Armenia	dram	..	..	..	..	..	..	..	..	8.66	288.35	405.93	413.47	490.70	504.86
Azerbaijan	manat	..	..	..	..	..	..	..	..	..	1 169	4 417	4 295	3 987	3 869
Belarus	rouble <sup>j</sup>	..	..	..	..	..	..	..	..	2177	4 017	11 538	13 472	26 729	48 650
Georgia	lari <sup>k</sup>	..	..	..	..	..	..	..	..	..	1.10	1.29	1.26	1.30	1.39
Kazakhstan	tenge	..	..	..	..	..	..	..	..	..	35.54	60.95	67.30	75.43	78.26
Kyrgyzstan	som	..	..	..	..	..	..	..	..	..	10.86	10.83	12.81	17.37	21.37
Republic of Moldova	leu	..	..	..	..	..	..	..	..	..	4.07	4.50	4.60	4.62	5.36
Russian Federation	rouble <sup>l</sup>	0.65	0.70	0.63	0.61	0.63	0.59	1.74	192.75	927.46	2204	4 559	5 121	5 785	9.71
Tajikistan	rouble	..	..	..	..	..	..	..	..	..	..	107.59	292.89	560.64	778.30
Turkmenistan	manat	..	..	..	..	..	..	..	..	..	19.50	110.42	3 509	4 143	4 941
Ukraine	hryvnia <sup>m</sup>	..	..	..	..	..	..	..	..	4 796	31 700	147 314	1.83	1.86	2.51
Uzbekistan	sum <sup>n</sup>	..	..	..	..	..	..	..	..	932.15	9.96	29.81	40.15	66.43	94.79
Memorandum item:															
Former GDR	mark <sup>o</sup>	3.30	8.14	8.14	8.14	8.14	8.14	1.66	1.56	1.65	1.62	1.43	1.50	1.73	1.76

**Source:** UNECE Common Database, derived from national, IMF and CIS statistics. Annual averages are unweighted arithmetic averages of monthly values. Change or redenomination of currency is indicated by a vertical bar.

**Note:** Under the central planning system with its state foreign trade monopoly, exchange rates served primarily statistical and accounting purposes (notably the conversion of foreign trade values for statistics expressed in domestic currency), without direct impact on domestic price formation. Market-based exchange rates and a meaningful link to domestic currency values emerged only with the transformations from 1989 onward. The official exchange rates of the earlier period are therefore not suitable for the conversion to dollars of macroeconomic and other data of these countries expressed in domestic currency. These strictures should be kept in mind in the interpretation and use of the data for the 1980s shown above.

<sup>a</sup> Currency unit of the last period shown. For prior periods, see footnotes.

<sup>b</sup> The zloty was redenominated at 1:10,000 from 1 January 1995.

<sup>c</sup> The dinar was redenominated at 1:10,000 from 1 January 1990.

<sup>d</sup> The kuna replaced the Croat dinar on 3 May 1994 at 1:1,000; the 1994 average is shown in kuna terms.

<sup>e</sup> The denar (which had replaced the Yugoslav dinar 1:1 on 26 April 1992) was redenominated 1:100 on 1 May 1993; the 1993 average is shown in terms of that unit.

<sup>f</sup> The dinar was further redenominated on 1 July 1992 (1:10), 1 October 1993 (1:1 million), 1 January 1994 (1:1 trillion) and 24 January 1994 (1:13 million). Average annual exchange rates not available for 1993-1994.

<sup>g</sup> The kroon replaced the Soviet rouble in June 1992 with a peg to the deutsche mark (8:1); the average shown for 1992 refers to June-December.

<sup>h</sup> The lats replaced an earlier Latvian rouble at 1:200 on 18 October 1993; the 1993 average is shown in lat terms.

<sup>i</sup> The litas replaced the earlier talonas at 1:100 on 1 June 1993; the 1993 average is shown in litas terms.

<sup>j</sup> The Belarus rouble was redenominated 1:10 on 10 August 1994; the 1994 average here assumes this applied to the entire year. Annual averages were calculated from end-of-period monthly rates.

<sup>k</sup> The lari replaced the lari-kupon on 25 September 1995; the annual average for 1994 is shown in million lari-kupon, and that for 1995 in lari.

<sup>l</sup> 1980-1991: Soviet rouble/dollar rate used in the conversion of foreign trade data for statistical purposes. The rouble was redenominated at 1:1,000 from 1 January 1998.

<sup>m</sup> The hryvnia replaced the former karbovanets on 2 September 1996 at 1:100,000; the average for 1996 is shown in hryvnia terms.

<sup>n</sup> Sum-kupon in 1993.

<sup>o</sup> German Democratic Republic mark through 1990, deutsche mark thereafter.

APPENDIX TABLE B.15

**Current account balances of the ECE transition economies, 1990-1998**  
(Million dollars)

	1990	1991	1992	1993	1994	1995	1996	1997	1998 <sup>a</sup>
<b>Eastern Europe</b> .....	-3 914	-2 502	-862	-7 338	-4 197	-1 090	-13 189	-14 662	-16 974
Albania .....	-118	-168	-51	15	-43	-15	-107	-271	-50*
Bulgaria .....	-1 710	-77	-360	-1 098	-25	-26	16	427	-273
Croatia <sup>b c</sup> .....	-500	-589	329	600	786	-1 284	-858	-2 434	-1 554
Czech Republic .....	-122	1 709	-456	456	-787	-1 369	-4 292	-3 211	-800*
Hungary <sup>d</sup> .....	127	267	324	-3 455	-3 911	-2 480	-1 678	-981	-2 298
Poland <sup>d e</sup> .....	716	-1 359	-269	-2 329	-944	5 455	-1 352	-4 268	-6 810
Romania <sup>d</sup> .....	-1 650	-1 369	-1 460	-1 174	-428	-1 774	-2 571	-2 338	-2 633
Slovakia .....	-767	-786	173	-559	712	646	-2 098	-1 347	-2 300*
Slovenia <sup>b</sup> .....	518	129	926	192	600	-23	39	37	-6
The former Yugoslav Republic of Macedonia .....	-409	-259	-19	15	-158	-222	-288	-275	-250*
<b>Baltic states</b> .....	..	..	681	371	-71	-816	-1 425	-1 889	-1 854
Estonia .....	..	..	153	40	-178	-185	-423	-563	-370
Latvia .....	..	..	207	417	201	-16	-279	-345	-456
Lithuania .....	..	..	322	-86	-94	-614	-723	-981	-1 028
<b>CIS</b> .....	-6 608	2 947	-4 881	1 360	6 977	4 421	6 522	-2 914	-11 366
Armenia .....	..	..	..	-67	-106	-279	-291	-305	-297*
Azerbaijan .....	..	..	..	..	-121	-401	-931	-916	-945*
Belarus .....	..	..	131	-404	-506	-567	-516	-799	-797
Georgia .....	..	..	..	..	-278	-218	-277	-347	-258*
Kazakhstan .....	..	..	..	..	..	-518	-750	-912	-689
Kyrgyzstan .....	..	..	..	-88	-84	-235	-425	-138	-228
Republic of Moldova .....	..	..	..	-155	-82	-95	-188	-267	-280
Russian Federation <sup>f</sup> .....	-6 300	2 500	-5 700	2 700	9 284	7 938	12 096	3 335	-5 625
Tajikistan .....	..	..	..	-208	-170	-54	-74	-50	-45*
Turkmenistan .....	-308	447	926	776	84	24	43	-596	-525*
Ukraine .....	..	..	..	-765	-1 163	-1 152	-1 185	-1 335	-1 310
Uzbekistan .....	..	..	-238	-429	119	-21	-980	-584	-368*
<b>Total</b> .....	-10 522	445	-5 062	-5 606	2 709	2 515	-8 093	-19 466	..

*Source:* National balance of payments statistics; IMF for Tajikistan, Turkmenistan and Uzbekistan.

<sup>a</sup> Full year except for Baltic states and CIS which are January-September.

<sup>b</sup> Excludes transactions with the republics of the former SFR of Yugoslavia: Croatia (1990-1992), Slovenia (1990-1991) and The former Yugoslav Republic of Macedonia (1990-1992).

<sup>c</sup> Data for 1993-1997 were revised in 1998 according to a new methodology.

<sup>d</sup> Convertible currencies. Hungary until 1995; Romania until 1992 and Poland until 1997.

<sup>e</sup> As of 1995 the current account of Poland includes non-classified current account transactions. Excluding this item the current account balance was a \$2,299 million deficit in 1995.

<sup>f</sup> 1990-1993 excluding transactions with the Baltic and CIS countries.

APPENDIX TABLE B.16

**Inflows of foreign direct investment <sup>a</sup> in selected ECE transition economies, 1990-1998**  
(Million dollars)

	1990	1991	1992	1993	1994	1995	1996	1997	1998 <sup>b</sup>
<b>Eastern Europe</b> .....	605	2 329	3 120	4 107	3 491	9 172	7 577	9 116	13 155
Albania <sup>c</sup> .....	–	–	20	58	53	70	90	48	36
Bulgaria <sup>c</sup> .....	4	56	42	40	105	90	109	505	141
Croatia .....	–	–	16	96	113	101	533	388	854
Czech Republic .....	180	513	1 004	654	869	2 562	1 428	1 300	1 617
Hungary .....	311	1 459	1 471	2 339	1 146	4 453	1 983	2 085	1 935
Poland <sup>c</sup> .....	88	117	284	580	542	1 134	2 768	3 077	6 326
Romania .....	–	37	73	94	341	419	263	1 215	1 598
Slovakia .....	18	82	100	134	170	157	206	161	401
Slovenia .....	4	65	111	113	128	176	186	321	165
The former Yugoslav Republic of Macedonia <sup>c</sup> .....	–	–	–	–	24	9	11	16	83
<b>Baltic states</b> .....	–	–	111	236	471	457	684	1 142	1 828
Estonia .....	–	–	58	160	225	205	150	267	485
Latvia .....	–	–	43	45	214	180	382	521	286
Lithuania .....	–	–	10	30	31	73	152	355	1 057
<b>European CIS</b> .....	–	100	1 678	1 626	820	2 365	3 096	7 128	2 939
Belarus .....	–	–	7	10	9	15	73	192	118
Republic of Moldova .....	–	–	17	14	12	67	24	72	69
Russian Federation <sup>c</sup> .....	–	100	1 454	1 404	640	2 016	2 479	6 241	1 977
Ukraine .....	–	–	200	198	159	267	521	623	775
<b>Total</b> .....	605	2 429	4 909	5 969	4 782	11 994	11 358	17 386	17 922

**Source:** National balance of payments statistics; IMF for Tajikistan, Turkmenistan and Uzbekistan.

<sup>a</sup> Inflows into the reporting country.

<sup>b</sup> Full year data except for Albania, the Czech Republic, Slovakia, The former Yugoslav Republic of Macedonia, the Baltic states and the European CIS for which extrapolations of January-September rates were used.

<sup>c</sup> Net of residents' investments abroad. Bulgaria, 1990-1994; Poland, 1990-1995; and Russian Federation, 1990-1992.