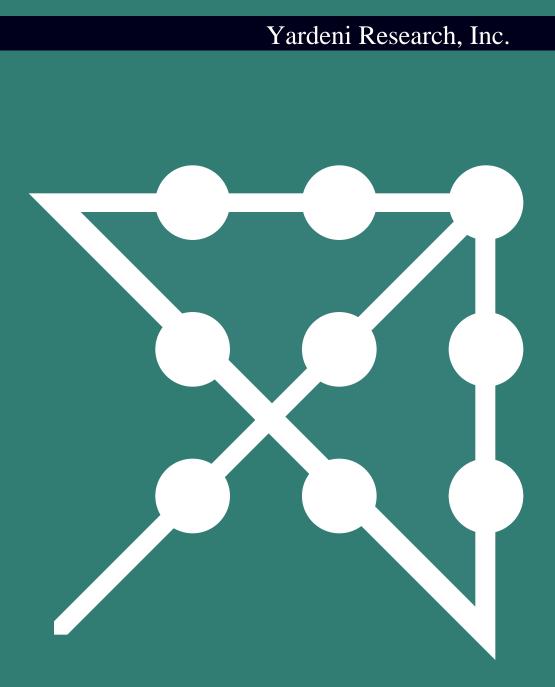
Chart Collection for Morning Briefing



thinking outside the box

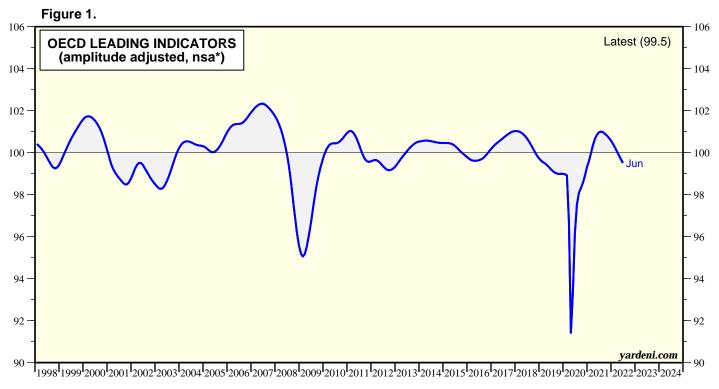
August 9, 2022

Dr. Edward Yardeni

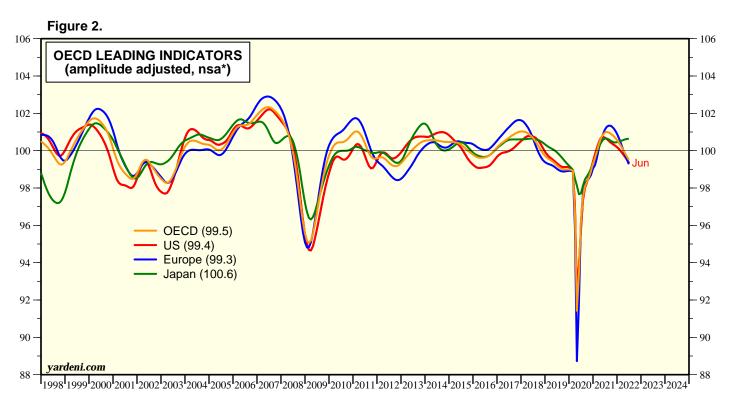
516-972-7683 eyardeni@yardeni.com

Mali Quintana 480-664-1333 aquintana@yardeni.com

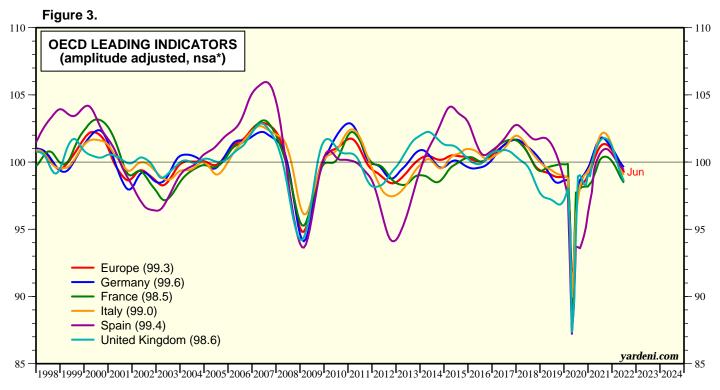
Please visit our sites at www.yardeni.com blog.yardeni.com



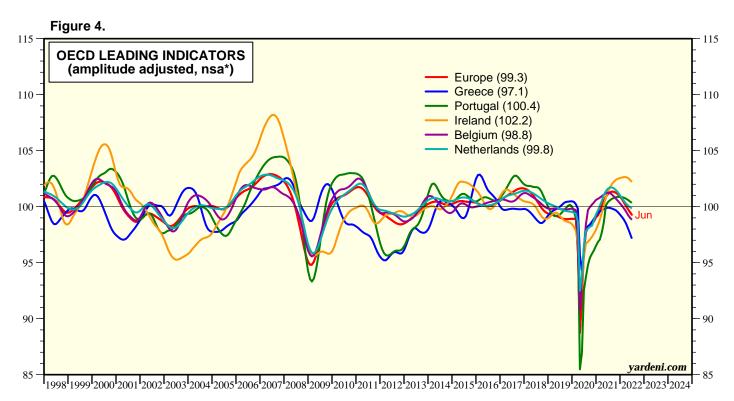
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



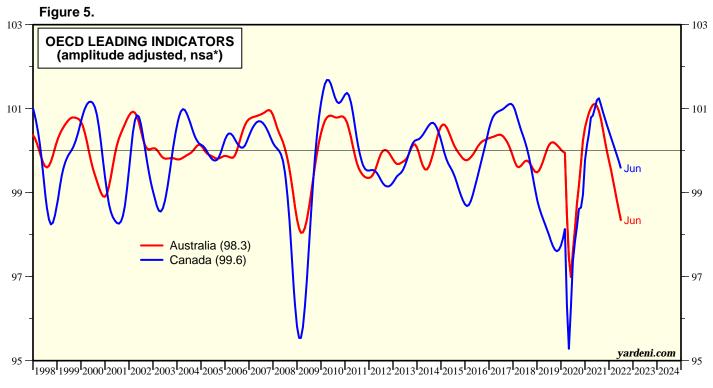
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



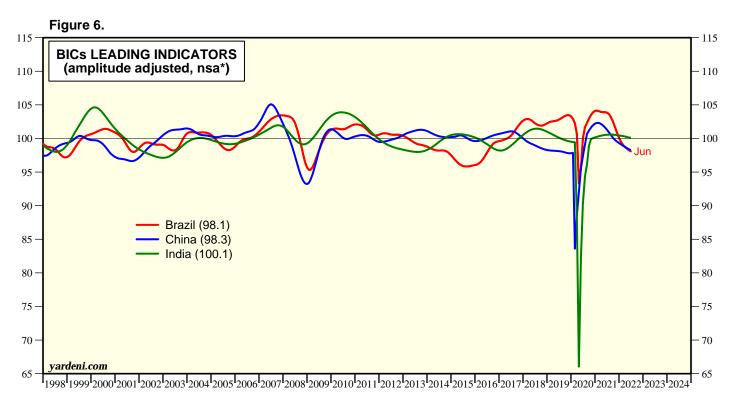
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



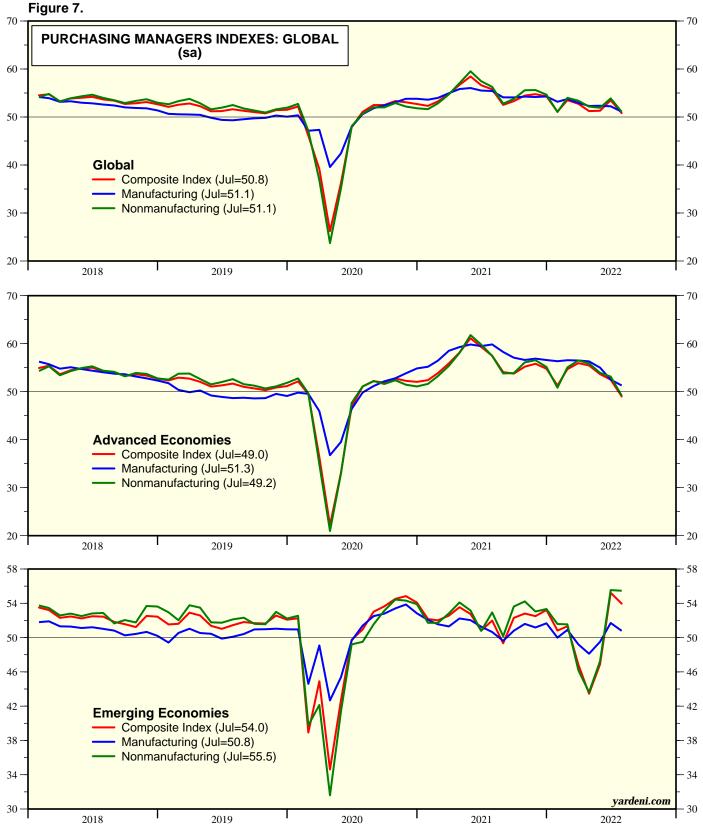
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



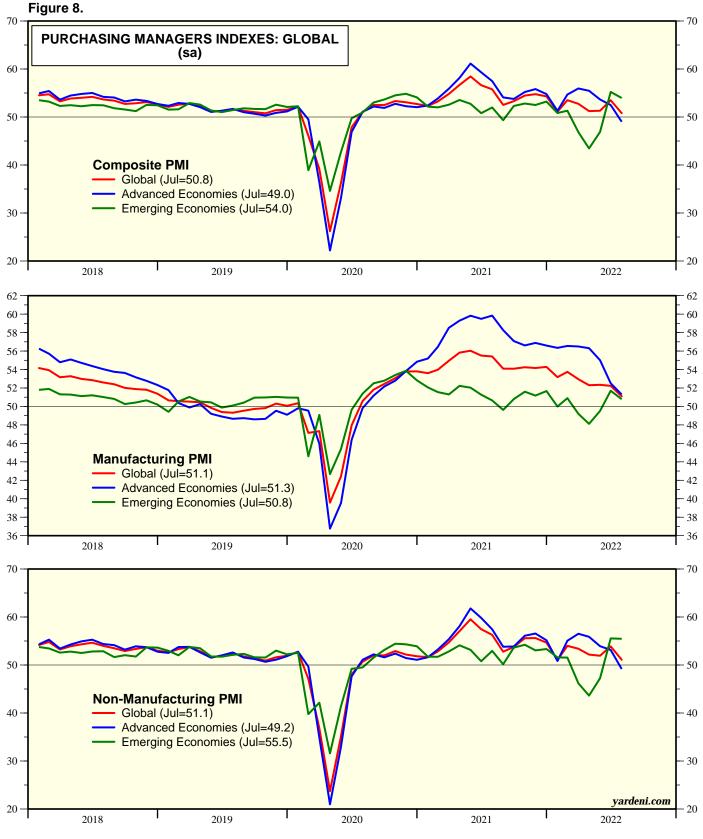
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



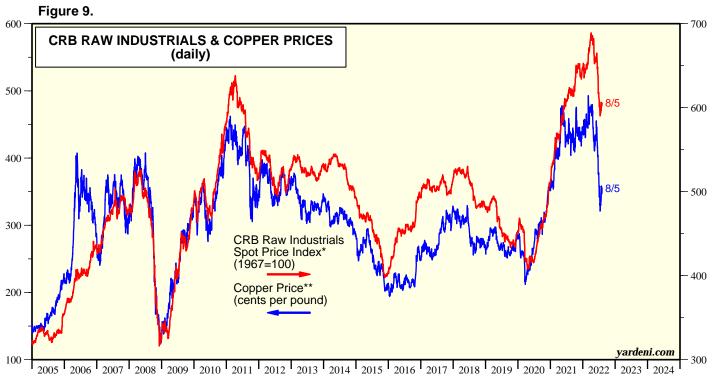
* A reading above 100 that is rising predicts expansion, above 100 and falling a downturn, below 100 and falling a slowdown, and below 100 and rising a recovery. Source: OECD and Haver Analytics.



Source: JP Morgan, Markit, and Haver Analytics.

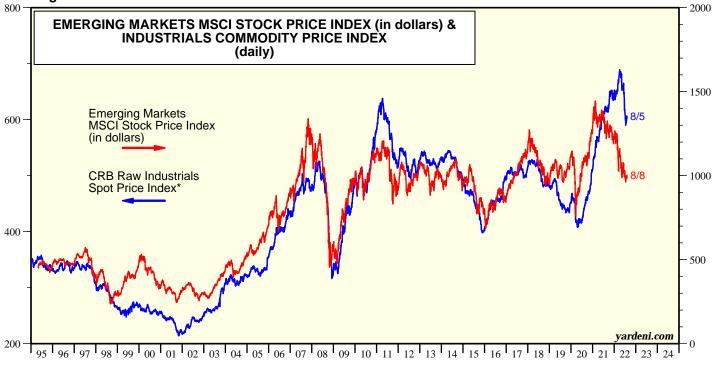


Source: JP Morgan, Markit, and Haver Analytics.

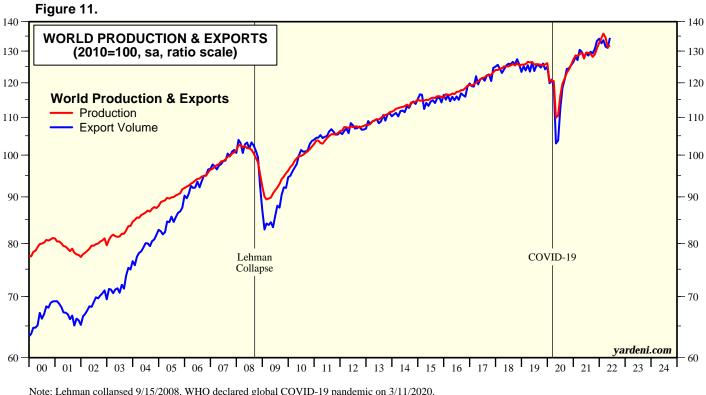


 * Includes copper scrap, lead scrap, steel scrap, tin, zinc, burlap, cotton, print cloth, wool tops, hides, rosin, rubber, and tallow.
** Nearby futures contract. Source: Commodity Research Bureau and Wall Street Journal.

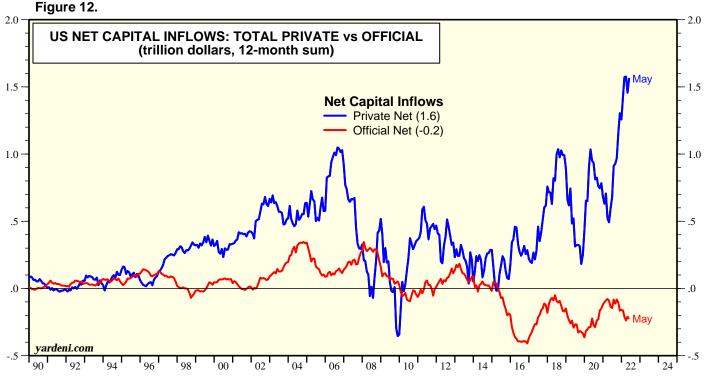




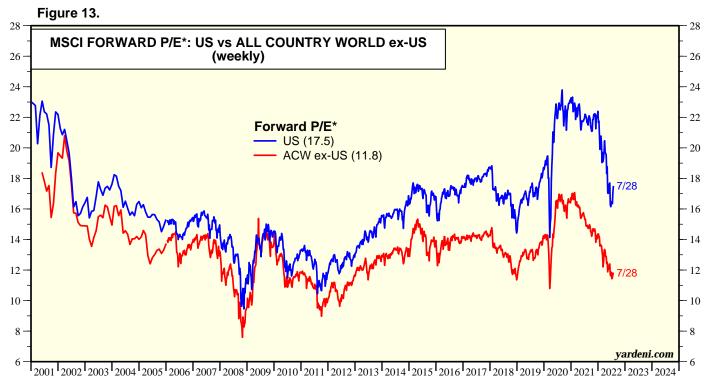
* Includes copper scrap, lead scrap, steel scrap, tin, zinc, burlap, cotton, print cloth, wool tops, hides, rosin, rubber, and tallow. Source: Morgan Stanley Capital International and Commodity Research Bureau.



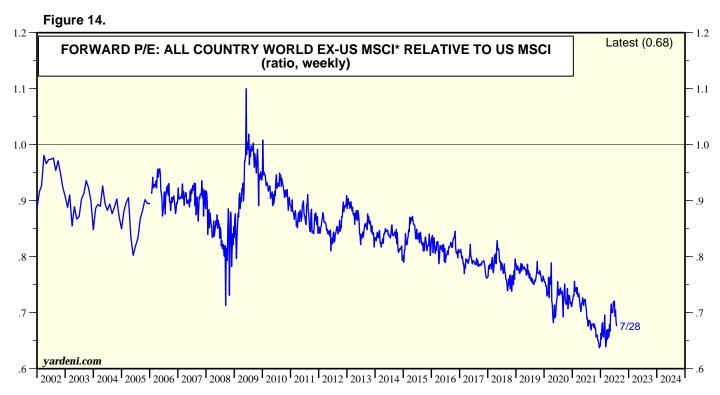
Note: Lehman collapsed 9/15/2008. WHO declared global COVID-19 pandemic on 3/11/2020. Source: CPB Netherlands Bureau for Economic Policy.



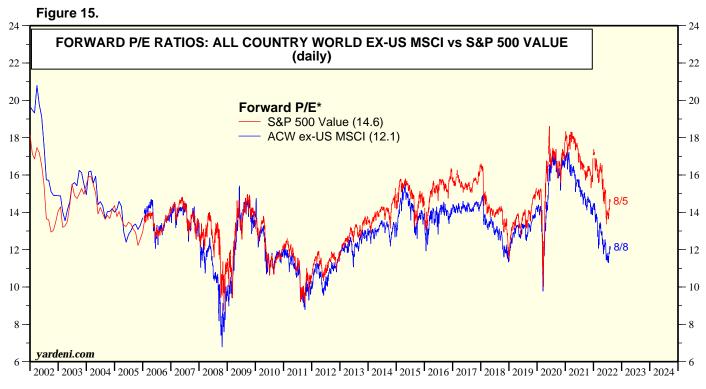
Source: US Treasury International Capital System.



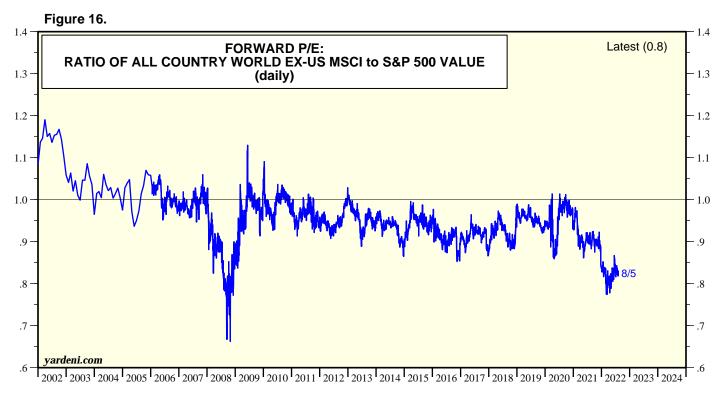
* Price divided by 12-month forward consensus expected operating earnings per share. Monthly through December 2005, then weekly. Source: MSCI.



* Price divided by 12-month forward consensus expected operating earnings per share. Monthly through December 2005, weekly thereafter. Source: I/B/E/S data by Refinitiv and MSCI.



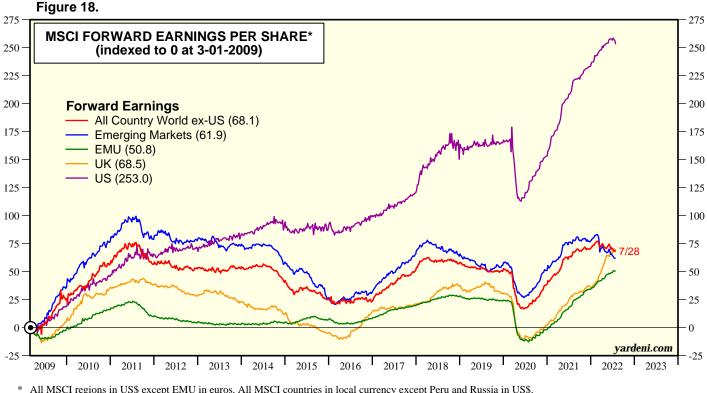
* Price divided by 12-month forward consensus expected operating earnings per share. Monthly through December 2005, daily thereafter. Source: I/B/E/S data by Refinitiv and MSCI.



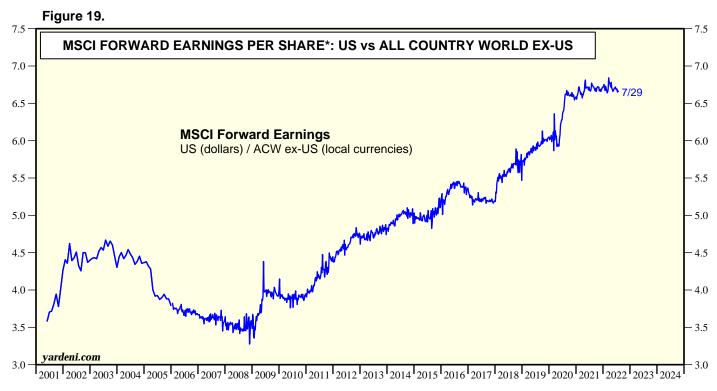
* Price divided by 12-month forward consensus expected operating earnings per share. Monthly through December 2005, daily thereafter. Source: I/B/E/S data by Refinitiv and MSCI.



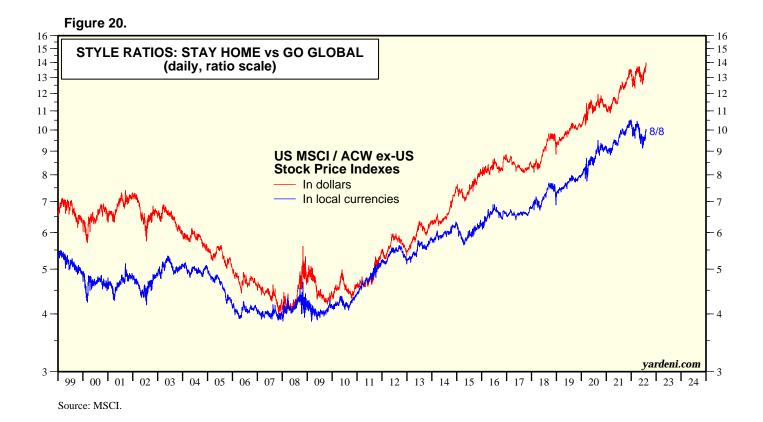
* All MSCI regions in US\$ except EMU in euros. All MSCI countries in local currency except Peru and Russia in US\$. Source: I/B/E/S data by Refinitiv.

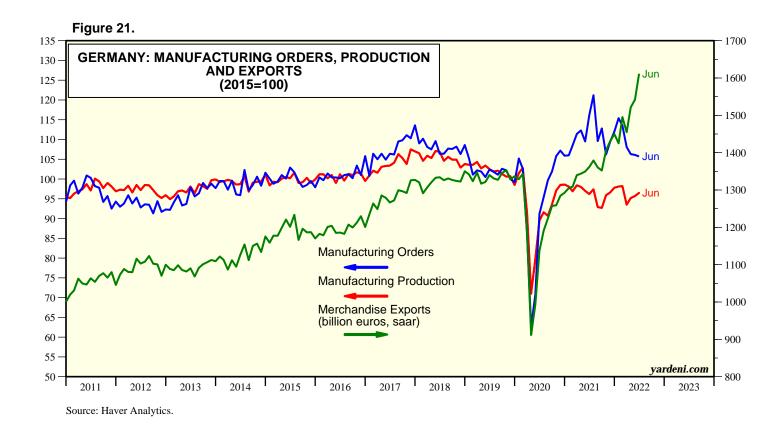


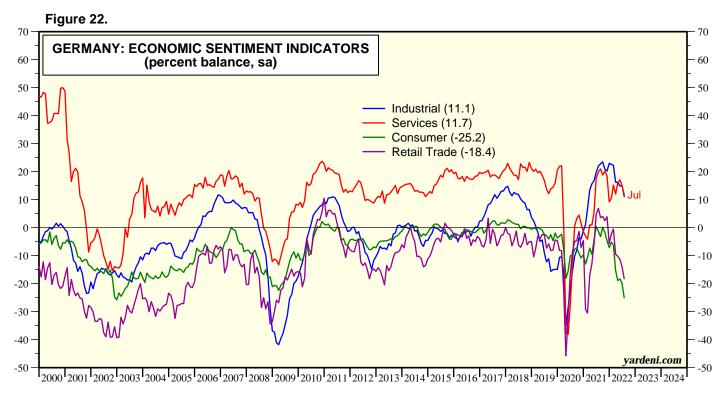
All MSCI regions in US\$ except EMU in euros. All MSCI countries in local currency except Peru and Russia in US\$. Source: I/B/E/S data by Refinitiv.



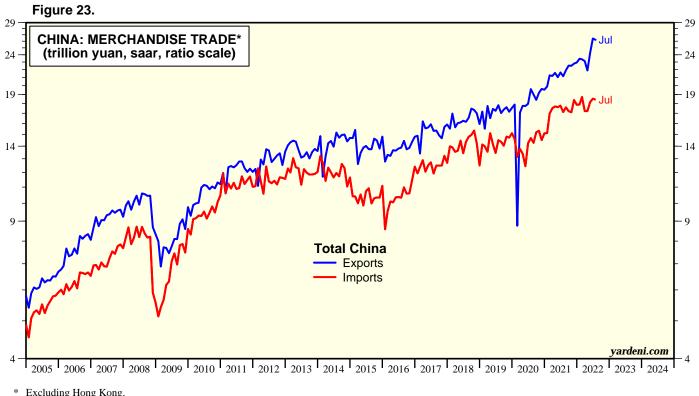
* Time-weighted average of the consensus earnings estimates for current and next year. Monthly through December 2005, then weekly. Source: MSCI.



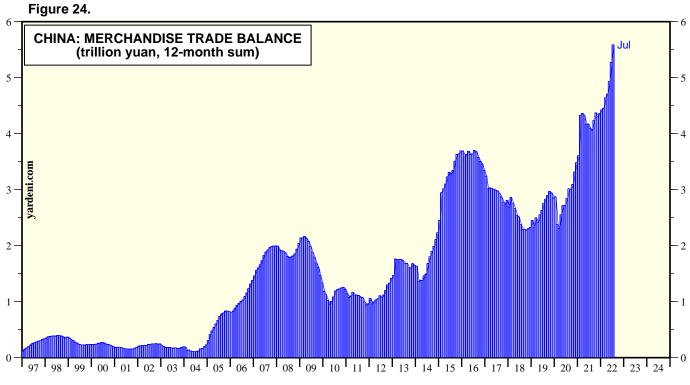




Source: European Commission.



⁶ Excluding Hong Kong. Source: China Customs and Haver Analytics.



Source: China Customs and Haver Analytics.

Copyright (c) Yardeni Research, Inc. 2022. All rights reserved. The information contained herein has been obtained from sources believed to be reliable, but is not necessarily complete and its accuracy cannot be guaranteed. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness, or correctness of the information and opinions contained herein. The views and the other information provided are subject to change without notice. All reports and podcasts posted on www.yardeni.com, blog.yardeni.com, and YRI's Apps are issued without regard to the specific investment objectives, financial situation, or particular needs of any specific recipient and are not to be construed as a solicitation or an offer to buy or sell any securities or related financial instruments. Past performance is not necessarily a guide to future results. Company fundamentals and earnings may be mentioned occasionally, but should not be construed as a recommendation to buy, sell, or hold the company's stock. Predictions, forecasts, and estimates for any and all markets should not be construed as recommendations to buy, sell, or hold any security--including mutual funds, futures contracts, and exchange traded funds, or any similar instruments.

The text, images, and other materials contained or displayed on any Yardeni Research, Inc. product, service, report, email or website are proprietary to Yardeni Research, Inc. and constitute valuable intellectual property. No material from any part of <u>www.yardeni.com</u>, <u>blog.yardeni.com</u>, and YRI's Apps may be downloaded, transmitted, broadcast, transferred, assigned, reproduced or in any other way used or otherwise disseminated in any form to any person or entity, without the explicit written consent of Yardeni Research, Inc. All unauthorized reproduction or other use of material from Yardeni Research, Inc. shall be deemed willful infringement(s) of this copyright and other proprietary and intellectual property rights, including but not limited to, rights of privacy. Yardeni Research, Inc. expressly reserves all rights in connection with its intellectual property, including without limitation the right to block the transfer of its products and services and/or to track usage thereof, through electronic tracking technology, and all other lawful means, now known or hereafter devised. Yardeni Research, Inc. reserves the right, without further notice, to pursue to the fullest extent allowed by the law any and all criminal and civil remedies for the violation of its rights.

The recipient should check any email and any attachments for the presence of viruses. Yardeni Research, Inc. accepts no liability for any damage caused by any virus transmitted by this company's emails, website, blog and Apps. Additional information available on request.