The American Journal of Physiology: Heart and Circulatory Physiology (ISSN 0363-6135) is published monthly (two volumes per year) by the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991. Subscription Prices (postpaid): Institutional: $316.00, US; $360.00, Canada and Mexico; $416.00, elsewhere. Non-member individual: $220.00, US; $260.00, Canada and Mexico; $290.00, elsewhere. APS Members, $110.00. Subscriptions are accepted on a calendar-year basis only. Single Copies: Rockville Pike, Bethesda, MD 20814-3991. Copyright © 1993 the American Physiological Society; printed in the United States of America. The code at the bottom of the first page of an article indicates the copyright owner’s consent that copies of that article may be made beyond that permitted by sections 107 and 108 of the US Copyright Law—unless the copies are for general distribution, for advertising, for creating new works, or for resale—provided the per-copy fee is paid through the Copyright Clearance Center, Inc., 27 Congress St., Salem, MA 01970. 0363-6135/93 $2.00.