AMERICAN HEART ASSOCIATION

1981 SUBSCRIPTION RATES

CIRCULATION
A monthly devoted to clinical research and advances in the cardiovascular field. Elliot Rapaport, M.D., Editor

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$40</td>
<td>$55</td>
</tr>
</tbody>
</table>

CIRCULATION RESEARCH
A monthly concerned with basic research in the cardiovascular field. Brian F. Hoffman, M.D., Editor

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$75</td>
<td>$90</td>
</tr>
</tbody>
</table>

HYPERTENSION
A bi-monthly concerned with basic and clinical research in the hypertension field. Harriet P. Dustan, M.D., Editor

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$40</td>
<td>$55</td>
</tr>
</tbody>
</table>

STROKE
A journal of cerebral circulation, bi-monthly. Fletcher McDowell, M.D., Editor

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$40</td>
<td>$55</td>
</tr>
</tbody>
</table>

ARTERIOSCLEROSIS
A bi-monthly devoted to research bearing on the biology, prevention, and impact of vascular diseases. Edwin L. Bierman, M.D., Editor

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$50</td>
<td>$65</td>
</tr>
</tbody>
</table>

RECURRING BIBLIOGRAPHY
OF HYPERTENSION
Bi-monthly, in cooperation with the National Library of Medicine.

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Elsewhere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$12</td>
<td>$16</td>
</tr>
</tbody>
</table>

Publishing Office
AMERICAN HEART ASSOCIATION
7320 Greenville Ave.
Dallas, Texas 75231
The NEW AMERICAN HEART ASSOCIATION HEARTBOOK

Yours at a Special-Direct-from-the-National Center price of $19.95

The HEARTBOOK provides a wealth of information on all aspects of the cardiovascular system for the non-professional. This comprehensive guide is the only one authorized by the American Heart Association.

In clear, non-technical terms, the HEARTBOOK answers virtually every question your patient may ask about his heart... an important publication for your waiting room.

TO ORDER YOUR HEART BOOK
Please send your check or money order for $19.95 to:

American Heart Association
Department HB
P.O. Box 85200
Dallas, Texas 75286
The Scientific Sessions of the American Heart Association represent three and one-half days of Invited Lectures and Investigative Reports, all conducted simultaneously and arranged to present subject areas in all fields of Cardiovascular Disease and related disciplines.

Cardiovascular Nursing Research may be focused on individuals, laboratory animals, or patients. It should study aspects of the cardiac field and contribute to new scientific knowledge or theory.

Guidelines, forms and information may be obtained from the Section on Scientific Sessions, American Heart Association, 7320 Greenville Avenue, Dallas Texas 75231.

Abstracts selected for presentation will be published in a Supplement to CIRCULATION (October, 1981).

Postmark deadline for submission of Abstracts and Scientific Exhibit applications is May 22, 1981.
GEORGE LYMAN DUFF MEMORIAL LECTURE
293 Atherosclerosis: A Problem of the Biology of Arterial Wall Cells and Their Interactions with Blood Components
Russell Ross

REVIEW
312 Declining Mortality in Coronary Heart Disease
Robert I. Levy

ARTICLES
326 Effects of Oscillatory Mechanical Disturbance on Macromolecular Uptake by Arterial Wall
Shu Chien, Mary M.L. Lee, Leopold S. Laufer, Dean A. Handley, Sheldon Weinbaum, Colin G. Caro, and Shunichi Usami

337 Responses of Serum Lipoproteins to Dietary Cholesterol and Type of Fat in the Baboon
Henry C. McGill, Jr., C. Alex McMahan, Arthur W. Kruski, Jim L. Kelley, and Glen E. Mott

345 Effects of Insulin Exposure Upon the Metabolism of Rat Aortic Media: Influence of Hydrostatic Forces
Loic Capron, Monique Philippe, Jean-Louis Guilmot, Jean-Noël Fiessinger, and Edward Housset

ABSTRACTS

396a Authors Index to Abstracts

405A NEWS FROM THE AMERICAN HEART ASSOCIATION