NEW FEATURE

Beginning with the January 1, 1953 issue, Circulation will carry a Section on Conferences, to be edited by Edgar V. Allen, M.D., and J. Earle Estes, M.D. The new section will be published six times annually and will cover clinical and clinicopathologic conferences on specific subjects.

Experts will cover each field of cardiac and circulatory diseases, using the question and answer method wherever possible.

NEW CHAIRMAN

Dr. J. Scott Butterworth, Associate Professor of Medicine at New York University Postgraduate Medical School, has been appointed Chairman of the Educational Committee of the American Heart Association's Scientific Council.

WEST COAST SYMPOSIA

The Los Angeles County Heart Association will sponsor Symposia on Pharmacology of Cardiovascular Diseases, on Hypertension and on Peripheral Vascular Diseases, on October 15 and 16 at the Wilshire-Ebell Theatre in Los Angeles.

The six guest speakers will be C. Sidney Burrwell, M.D., of the Harvard Medical School; Julius H. Comroe, Jr., M.D., of the University of Pennsylvania; Keith S. Grimson, M.D., of Duke University; Robert L. King, M.D., University of Washington School of Medicine and President-Elect of the American Heart Association; and Maurice L. Tainter, M.D., former professor of Pharmacology at Stanford University.

GRANTS-IN-AID APPLICATIONS

Applications for research grants-in-aid for the fiscal year 1953–54 should be forwarded to the Medical Director of the American Heart Association, postmarked not later than December 1, 1952.

ANNUAL MEETING AND SCIENTIFIC SESSIONS

The Twenty-Ninth Annual Meeting and the Twenty-Sixth Scientific Sessions of the American Heart Association will be held at the Hotel Chelsea in Atlantic City, N. J., April 8–12, 1953, immediately preceding the annual meeting of the American College of Physicians. All those desiring to attend should make room reservations at the earliest possible date. (The Hotel Chelsea is located on the Boardwalk at Morris Avenue, five blocks south of the Convention Hall.) The Scientific Sessions will be held on Thursday, Friday, Saturday and Sunday, April 9, 10, 11 and 12.
PAPERS FOR THE SCIENTIFIC SESSIONS

All those desiring to present papers at the Association's Scientific Sessions should submit abstracts in triplicate of the proposed presentation to Dr. André Cournand, Chairman of the Program Committee, American Heart Association, 44 East 23rd Street, New York 10, N. Y., not later than January 1, 1953. Abstracts should not be longer than 300 words and must contain in summary form, a specific statement of the results obtained or conclusions reached (not merely a statement that results or conclusions will be presented, or discussed at the meeting.)

COURSE ON CONGENITAL HEART DISEASE

A three day postgraduate course on congenital heart disease will be held under the auspices of the Medical School of the University of Utah on November 19, 20, and 21, as a preliminary to the regional meeting of the American College of Chest Physicians. Visiting faculty for the course will include Dr. Lewis Dexter, Assistant Professor in the Department of Medicine at Harvard University; Dr. Jesse Edwards, Assistant Professor in the Department of Pathology and Anatomy at the Mayo Clinic in Rochester, Minnesota; and Dr. Marcy Sussman, specialist in Radiology, of Phoenix, Arizona.

The registration fee for this course will be $30.00. A fee of $5.00 should accompany the application for this course, which is applicable to the total registration fee.

Address all inquiries to the Director, Division of Graduate and Postgraduate Medical Education, 175 East 21st Street, Salt Lake City, Utah.

WASHINGTON STATE SYMPOSIUM

The Washington State Heart Association in cooperation with the Washington State Department of Health will present their Fourth Annual Symposium on "Hypertension" and "The Arrhythmias" on November 7 and 8 at the University of Washington Medical School Auditorium. Speakers will include Drs. Robert W. Wilkins, Boston; Stanley E. Bradley, New York; Eugene B. Ferris, Cincinnati; and Myron Prinzmetal, Los Angeles.

CALENDAR


Oct. 12-16: World Medical Association, Athens, Greece. Dr. Louis H. Bauer, Secretary-General, 2 East 103rd Street, New York 29, N. Y.

Oct. 16-18: World Congress of Medicine, Montecatini, Italy. Secretariat: Corso Trieste, 65, Rome, Italy.

Oct. 20-24: 80th Annual Meeting, American Public Health Association, Cleveland, Ohio. Reginald M. Atwater, M.D., Executive Secretary, 1700 Broadway, New York 19, N. Y.

Nov. 6: Fall meeting of the Midwest Section of the American Federation for Clinical Research, Congress Hotel, Chicago, Ill. Robert L. Grissom, M.D., Secretary.

Nov. 10-12: Association of American Medical Colleges, 63rd Annual Meeting, Hotel Broadmoor, Colorado Springs, Colo. Dean F. Smiley, M.D., Secretary, 185 North Wabash Avenue, Chicago 1, Ill.
In Left Ventricular Failure with Pulmonary Edema

Searle AMINOPHYLLIN*

"No one who has seen a case of left ventricular failure, with pulmonary edema, recover in a few moments after the use of Aminophyllin, can doubt its value..."


Searle AMINOPHYLLIN — a valuable diuretic and myocardial stimulant for relief of pulmonary edema or paroxysmal dyspnea of congestive heart failure.

AMPULS • POWDER • TABLETS • SUPPOSICONES®

Research in the Service of Medicine SEARLE

*Contains at least 80% of anhydrous theophylline.
A NEW BIMONTHLY JOURNAL FOR EVERY ALERT PHYSICIAN

- A new and specialized journal covering those metabolic problems which reach into the day-by-day experience of every physician.

- METABOLISM offers regular, up-to-date and correlative coverage in a field which has long been in need of integration through medical journalism.

- In its first year of publication, METABOLISM has already gained wide recognition as a distinguished new journal, edited by respected authorities in the field. This journal merits your attention today.

Bimonthly, Annual Subscription $9.00

SUBSCRIBE NOW

Grune & Stratton, Inc.
381 Fourth Avenue
New York 16, N.Y.

Please enter my subscription to METABOLISM, Volume 1, 1952.
Enclosed is check or money order for $9.00. (foreign, $10.00)

Name

Address

GRUNE & STRATTON

CIRCULATION—THE JOURNAL OF THE AMERICAN HEART ASSOCIATION

Compact design, engineered for accuracy, simplicity of use and clinical efficiency. No service required. Records on any make ECG. Simultaneous QRS reading.

$50.00 F.O.B. NEW YORK

*With "leg block" carrying case—$12.50 extra*

COUNTY SURGICAL CO., INC.
1237 Atlantic Ave., Brooklyn 16, N.Y.

For the physician who reads German-language medical literature and is in need of a handy, authoritative reference book.

A D I C T I O N A R Y
F O R P H Y S I C I A N S
To The German Language

Fritz Lejeune, Prof. Dr. med., Vienna/Hamburg.

In convenient desk size (3 3/4" x 6"), with sturdy, flexible cloth binding for everyday utility, here is a compact, complete, up-to-date and easy-to-use work that many physicians will find of constant value. Professor Lejeune is a skilled lexicographer in his native German, and his fluency in English was augmented by considerable contact with American personnel during the last war. Included also are phonetic guides to pronunciation, chemical terms and others related to medicine, plus idiomatic and vernacular expressions. Volume I contains 1372 pages.

Volume I (German-English) $6.00 (ready now)
Volume II (English-German) $6.00 (available soon)

GRUNE & STRATTON, INC.
381 Fourth Avenue New York 16, N.Y.

We recommend DETERGICIDE liquid or powder... a versatile germicide-detergent for office or hospital use

UNITED STATES CATHETER & INSTRUMENT CORP.

GLENS FALLS, NEW YORK
When Blood Pressure Falls...

Injection Wyamine Sulfate elicits an immediate, but gentle and prolonged pressor effect not obtained with any other agent. This new pressor amine represents a marked therapeutic advance in the management of severe hypotensive states:

<table>
<thead>
<tr>
<th>Associated with</th>
<th>Occurring during</th>
</tr>
</thead>
<tbody>
<tr>
<td>myocardial infarction</td>
<td>the immediate postoperative period</td>
</tr>
<tr>
<td>cardiac surgery</td>
<td>spinal anesthesia</td>
</tr>
<tr>
<td>general surgery</td>
<td></td>
</tr>
</tbody>
</table>

Injection Wyamine Sulfate does not increase cardiac irritability; it does not cause cerebral stimulation; it does not significantly alter heart rate nor rhythm; yet pressor response to it is quantitatively equivalent to that of ephedrine.

NEW Effective Pressor Drug
Remarkably Free from Side Reactions

Supplied: Vials of 1 cc. and 10 cc.; 15 mg. Wyamine base as Wyamine Sulfate per cc. Detailed information on request.

INJECTION Wyamine® Sulfate
Mephentermine Sulfate

Wyeth®
prescribed for a lifetime...

NEOHYDRIN
THE DIURETIC TABLETS THAT WORK
LIKE AN INJECTION

lifet ime therapy —

NEOHYDRIN helps keep the cardiac patient in fluid and electrolyte balance for his lifetime — a lifetime that might be impossible without such control of water and salt metabolism.

day in, day out diuresis —

NEOHYDRIN daily, maintains a steady, uninterrupted diuresis. This allows more liberal salt intake which benefits the patient psychologically. Even more important, liberalized salt intake permits the daily physiologic intake and output of sodium required by the body and safeguards against salt depletion.

prescribe NEOHYDRIN when indicated in

congestive heart failure • recurring edema and ascites • cardiac asthma • hypertensive heart disease dyspnea of cardiac origin • arteriosclerotic heart disease • fluid retention masked by obesity • and, for patients averse to their low-salt diet.

how to use this new drug

Maintenance of the edema-free state has been accomplished with as little as one NEOHYDRIN Tablet a day. Often this dosage of NEOHYDRIN will obtain per week an effect comparable to a weekly injection of MERCURYDRIN.® When more intensive therapy is required one tablet or more three times daily may be prescribed as determined by the physician.

Gradual attainment of the ultimate maintenance dosage is recommended to preclude gastrointestinal upset which may occur in occasional patients with immediate high dosage. Though sustained, the onset of NEOHYDRIN diuresis is gradual. Injections of MERCURYDRIN will be initially necessary in acute severe decompensation.

NEOHYDRIN is contraindicated in acute nephritis.

Any patient receiving a diuretic should ingest daily a glass of orange juice or other supplementary source of potassium.

packaging Bottles of 50 tablets. There are 18.3 mg. of 3-chloromercuri-2-methoxy-propylurea in each tablet.

Leadership in diuretic research

Lakeside LABORATORIES, INC., MILWAUKEE 1, WISCONSIN

*TRADEMARK APPLIED FOR
CONTENTS

HISTOGENESIS OF CORONARY ARTERIOSCLEROSIS

Henry D. Moon and James F. Rinehart 481

A COMPARATIVE EVALUATION OF TROMEXAN AND DICUMAROL IN THE TREATMENT OF THROMBOEMBOLIC CONDITIONS—BASED ON EXPERIENCE WITH 514 PATIENTS. A REPORT OF THE COMMITTEE ON ANTICOAGULANTS OF THE AMERICAN HEART ASSOCIATION............. Louis A. Scarrone, Dorothy Fahs Beck and Irving S. Wright 489

CLINICAL USE OF THE ANTICOAGULANT PHENYLINDANEDIONE. REPORT OF 74 CASES.

Frederick W. Preston, William R. O'Connor, Charles E. Thompson and Eldis N. Christensen 515

AN EVALUATION OF THE ABILITY OF PRISCOLINE, REGITINE, AND RONIACOL TO OVERCOME VASOSPASM IN NORMAL MAN. ESTIMATION OF THE PROBABLE CLINICAL EFFICACY OF THESE DRUGS IN VASOSPASTIC PERIPHERAL VASCULAR DISEASE

Harold D. Green, W. Kenneth Gobel, Michael J. Moore and Thomas C. Prince 520

ACONITINE-INDUCED AURICULAR ARRHYTHMIAS AND THEIR RELATION TO CIRCUS-MOVEMENT FLUTTER.............. Barbara B. Brown and George H. Acheson 529

THE CLINICAL SIGNIFICANCE OF POSTEXTRASYSTOLIC T-WAVE CHANGES

Harold D. Levine, Bernard Bow and Richard B. Streeter 538

CLINICAL CHARACTERISTICS OF HYPERTENSION ASSOCIATED WITH UNILATERAL RENAL DISEASE................. George A. Perera and Arthur W. Haeltig 549

RESPIRATORY VARIATIONS IN BLOOD PRESSURE

A. C. Dornhorst, P. Howard and G. L. Leathart 553

STUDIES OF HEMODYNAMIC CHANGES IN HUMANS FOLLOWING INDUCTION OF LOW AND HIGH SPINAL ANESTHESIA. I. GENERAL CONSIDERATIONS OF THE PROBLEM. THE CHANGES IN CARDIAC OUTPUT, BRACHIAL ARTERIAL PRESSURE, PERIPHERAL AND PULMONARY OXYGEN CONTENTS AND PERIPHERAL BLOOD FLOWS INDUCED BY SPINAL ANESTHESIA IN HUMANS NOT UNDERGOING SURGERY

Salvatore M. Sanseca, R. Beverley Lynn, Fiorindo A. Simeone and Roy W. Scott 559

THE DETERMINATION OF CARDIAC OUTPUT BY A CONTINUOUS RECORDING SYSTEM UTILIZING IODINATED (131I) HUMAN SERUM ALBUMIN. II. CLINICAL STUDIES


STUDIES UTILIZING THE PORTABLE ELECTROMAGNETIC BALLISTOCARDIOGRAPH. III. THE BALLISTOCARDIOMETER IN BUNDLE BRANCH BLOCK

Harry Mandelbaum and Robert A. Mandelbaum 578

RELATIONSHIP BETWEEN BALLISTOCARDIOGRAPHIC FORCES AND CERTAIN EVENTS IN THE CARDIAC CYCLE

Oscar Tannenbaum, Jerome A. Schack and Harry Vesell 586

MASSIVE INFARCTION OF THE RIGHT VENTRICLE AND ATRIUM. REPORT OF A CASE

Earl A. Zaus and Walter M. Kearns, Jr. 593

CLINICAL PROGRESS: THE PATHOGENESIS OF MALIGNANT HYPERTENSION

G. W. Pickering 599

ABSTRACTS.............................................. 613

BOOKS RECEIVED........................................ 636

AMERICAN HEART ASSOCIATION........................... 639