

writing his memoirs after all the stimulation of world travel and official life so necessary, apparently, to his well-being.

Dr. Mattingly looked enigmatically at the ceiling and said:

"I haven't the slightest notion that the President is going to sit still at Gettysburg and write his memoirs, nor would I advise it."

It is amusing in retrospect to consider all the predictions made about the President's outlook for this administration. One of them was that Vice President Nixon was only a heart beat away from the Presidency, and that it was most likely that he would enter into that office before President Eisenhower's term had ended.

With anti-coagulants and all the modern treatment given, not only to the President but to the ordinary man who has a heart attack, the number one killer may take its place down the line before another Presidential term of office is through. Starting a stopped heart will become a simple matter. Or, better yet, fewer hearts are going to stop.

Cases of heart block are few in comparison to other disturbances of heart rhythm associated with heart disease, which make heart trouble the first cause of death in the United States.

Arteriosclerotic heart disease, which includes atherosclerosis, the cause of more than half of all deaths in this category, includes also coronary insufficiency, myocardial infarction (coronary thrombosis) and other disorders.

In an article reprinted from the magazine *Cardiovascular Disease Nursing*, Dr. Mattingly discusses prophylaxis, or treatment.

He says: "Since the cause or causes of atherosclerosis are not known, specific measures of prevention are not yet available."

Among the many prophylactic measures recommended, he mentions diet, hormonal therapy, regulation of physical activity, emotional or mental stress, and inheritance factors.

### Circumstantial Evidence

"There is still no definite proof," he says, "of the theory that arteriosclerosis has a dietary origin. During the past decade, considerable evidence has accumulated in support of this belief, but as far as human experiments are concerned, it is largely circumstantial evidence based upon the frequency of high fat diets with excess of fat or lipids in the blood (hyperlipemia), and, in turn, hyperlipemia with atherosclerosis."

Dr. Mattingly says that science is slowly but surely marching on toward the prevention and alleviation of heart disease.

"Therapy and procedures in the management of arteriosclerosis and arteriosclerotic heart disease are altered almost daily by our efforts to relate new theoretical and laboratory findings to clinical practice," he says.

"In doing so, at times we tend to forget or discard measures which have been thoroughly evaluated and of proven value. In our modern management, it is well to keep in mind the writing of Alexander Pope who, over 200 years ago, gave this good advice:

"Be not the first by whom the new are tried;

Nor yet the last to lay the old aside."

• *Science News Letter*, 78:250 October 15, 1960

### ENTOMOLOGY

## Parasite of Pea Aphid Imported From India

### See Front Cover

➤ NOW USED TO CONTROL damage of the pea aphid to leguminous crops in California is a small parasitic wasp, *Aphidius smithi*, imported from India. It was imported by the Entomology Research Division of the U. S. Department of Agriculture for propagation in the biological control insectaries at Albany and Riverdale, Calif.

Shown on the cover is an alfalfa leaf with mummified pea aphids containing the parasite pupa of the Indian wasp.

• *Science News Letter*, 78:251 October 15, 1960

### TECHNOLOGY

## Geometrical Fracture Puzzles Scientist

➤ A GEOMETRICAL PATTERN consisting of four spirals arranged symmetrically appeared unexplainably when titanium oxide fractured after being pressed for use as a refractory material.

This occurrence is reported by J. S. Jackson in the British science journal, *Nature*, 187:1104, 1960. He discovered this while working in the Research Laboratory of the Associated Electrical Industries, Ltd., in Rugby, England.

The formation of one spiral by the fracture can be explained satisfactorily. However, the formation of four spirals spaced so symmetrically cannot be explained.

• *Science News Letter*, 78:251 October 15, 1960

## Do You Know

The nation's *traffic toll* for 1959 was estimated by the National Safety Council at between 37,500 and 38,000 deaths and 1.4 million disabling injuries.

*Arson* may be responsible for as much as 30% of the United States' yearly fire total.

## Questions

ASTRONAUTICS—What is the total sun pressure on satellite Echo? p. 243.

METEOROLOGY—What type of clouds are being studied by the Missouri Ozarks weather team? p. 249.

VETERINARY MEDICINE—What is the yearly economic loss to farmers whose cattle have leptospirosis? p. 246.

Photographs: Cover, F. E. Skinner, University of California; p. 243, Chrysler Corporation; p. 245, University of Illinois; p. 247, Grumman Aircraft Engineering Corporation; p. 250, Signal Corps; p. 256, Pyro Plastics Corporation.

Order now before  
publication—

SAVE \$7.50

A complete library  
of psychology in  
one volume—

# Classics in Psychology

Edited by  
THORNE SHIPLEY

To own this book is to own one of the most comprehensive collections of psychological writings ever gathered in one volume. In a text of over 1400 pages are the works of the leading psychologists of Europe, the United States and Russia, spanning a period of one-hundred and fifty years. The selections cover every major school in the field—faculty, behaviorist, Gestalt, Jungian—as well as every major branch including individual, clinical, psychoanalytical, child, animal, educational, social and genetic psychology. Beginning with the tremendous achievements of Pinel and Charcot, right down to the works of Freud and Adler, the 35 chapters represent essential contributions to science by world-renowned psychologists. Authors include: Wundt, von Helmholtz, James, Titchener, Rush, Sakel, Bleuler, Breuer, Jung, Pavlov, Watson, Rorschach and many others.

CLASSICS IN PSYCHOLOGY is much more than a lifetime reference. It is a significant historical record of the complex growth of ideas that are now of lasting benefit to mankind. You will find yourself returning to this magnificent volume again and again in the years to come. Take advantage of this Pre-Publication offer and save \$7.50. (Regular published price \$20.00.) Mail this coupon today to

PHILOSOPHICAL LIBRARY, Publishers  
Dept. SNL-10  
15 East 40th St., New York 16, N.Y.

Please send me a copy of CLASSICS IN PSYCHOLOGY at the special pre-publication price of \$12.50. I enclose

Check  Money Order

Name.....

Address.....

City..... Zone..... State.....