The American Association for the Advancement of Science:

Commanding Our Wealth: Dr. ISAIAH BOWMAN       229

Obituary:
Edward Franklin Gaines: LEONARD W. YOUNG.       241

Deaths and Memorials

Scientific Events:
Astronomy in Soviet Russia: A Tectonic Map of the United States; The Reorganization of the Office of the Surgeon General       242

Scientific Notes and News

Discussion:

Scientific Books:
Statistics: PROFESSOR EDWIN B. WILSON. Problems in Physical Chemistry: DR. ARTHUR V. TOSOLSKY       249

Special Articles:
The Effect of Biotin on the Metabolism of Liver Slices from Biotin-Deficient Rats: DR. WILLIAM H. SUMMERS, JOHANNA M. LEE and CHESTER W. H. PARTRIDGE. 10-Nor-Progesterone, A Physiologically Active Lower Homolog of Progesterone: DR. WILLARD M. ALLEN and DR. MAXIMILIEN EHRENSTEIN       250

Scientific Apparatus and Laboratory Methods:
Apparatus for the Use of Solid Carbon Dioxide as a Source of CO$_2$ Gas: WILLIAM P. JAMBOR       252

Science News       10

SCIENCE: A Weekly Journal devoted to the Advancement of Science. Editorial communications should be sent to the editors of SCIENCE, Lancaster, Pa. Published every Friday by

THE SCIENCE PRESS
Lancaster, Pennsylvania

Annual Subscription, $6.00 Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the Association may be secured from the office of the permanent secretary in the Smithsonian Institution Building, Washington 25, D. C.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

COMMANDING OUR WEALTH

By Dr. ISAIAH BOWMAN

PRESIDENT OF THE JOHNS HOPKINS UNIVERSITY

"If we command our wealth we shall be rich and free."—Edmund Burke.

In his Quebec broadcast, August 29, 1943, Prime Minister Churchill spoke of marching forward to the end of the present military struggle when "the whole world may turn with hope, with science, with good sense and dearly bought experience, from war to lasting peace." Possessing "all the grand comprehensions," as he once said of Lord Rosebery, Mr. Churchill included science among the forces to be employed in the creation of a lasting peace. He was not betrayed by the shallow observation that men have used science for destruction, nor did he erroneously conclude that science causes war. If one may venture

1 Address of the retiring president, American Association for the Advancement of Science, Cleveland, Ohio, September 11, 1944.

to extend his statement: hope, science, good sense and experience are four hard-riding horsemen equipped to lead the procession of victory in the post-war years.

The Four Horsemen

Among the banners of victory there will also be represented justice, religion, the freedoms and generousities of humanitarianism, and all the arts in which men strive to express the instinct for beauty and enjoy the creations of disciplined taste. The four horsemen who carry these banners represent the benevolent and spiritual virtues. We may agree that they should be in the forefront of the procession and one day may be when their noble rank is more generally recognized. Whatever the place of the second group of forces, the faith for which they stand must surely inspire hope,