

A. G. WORTHING AWARD

From a fund contributed by friends of the late A. G. Worthing, professor of physics at the University of Pittsburgh who died last year, the University has established a memorial award in his name to be given annually to an outstanding senior student in physics. First winner of the award, which carries a cash prize of \$100, is William M. MacDonald.

Presentation of the award took place during the annual Scholars' Day ceremonies held at Pittsburgh April 21. At the same time the University's 1950 Sigma Pi Sigma award for excellent work as an undergraduate physics major was given to Mario L. Minuti.

PHYSICS TODAY DOUBLES

Physics Today again received two awards in editorial achievement in a competition with other class, institutional, and professional magazines which was sponsored by *Industrial Marketing* magazine. One was a first prize plaque for graphic presentation, the second an award of merit for outstanding single article (F. P. Shepard's "Dangerous Currents in the Surf"). Last year the magazine won two awards of merit.

FELLOWSHIPS OFFERED

SHELL OIL

The graduate fellowship program established by the Shell Oil Company and its affiliated companies in the United States has been extended through the 1950-1951 academic year, according to a recent announcement. Of the total number of available fellowships, six are in physics (non-nuclear) and will be awarded to graduates at the University of Chicago, Duke University, Harvard University, Massachusetts Institute of Technology, Rice Institute, and Washington University in St. Louis. In addition, two fellowships in geophysics will be awarded to graduate students at the University of California at Los Angeles and the University of Utah. As in earlier years, provision is made for payment of tuition and fees of the recipient, a fixed stipend of \$1200, and a fund of \$300 for departmental expense in connection with equipment needed for the research. The respective schools are responsible for the selection of the fellows, and the departments concerned are to determine the specific research to be undertaken.

SIGMA DELTA EPSILON

Sigma Delta Epsilon, graduate women's scientific society, has announced that awards will be given to the two members in good standing who have presented the best papers at any regular session of any scientific society during 1950, or who have written the best articles describing original research accepted for publication in a scientific journal during the year. The awards, one for \$500 and the other for \$200, will be presented at the Cleveland meeting of the American Association for the Advancement of Science next December. The \$200 award is to be presented for the best paper describing original research carried out in the home. Further information may be ob-

tained by writing Lela V. Barton, Chairman, Research Awards Committee, Boyce Thompson Institute for Plant Research, 1086 N. Broadway, Yonkers 3, N. Y.

NOT EXEMPT

FELLOWSHIP TAX

Current tax policies with respect to the status of fellowships, scholarships, and grants-in-aid as interpreted by the Bureau of Internal Revenue have been described in the May 25th issue of the American Council on Education's pamphlet, *Higher Education and National Affairs*. A recent Bureau judgment that Fulbright Fellowships are not tax exempt, said the Council, has apparently resulted in a significant change of policy in this regard. The situation as it stands is reported to be that all post-doctoral fellowships are subject to tax on the premise that the doctor's degree represents completion of the educational process, that pre-doctoral fellowships are tax exempt provided that the fellowships do not designate the field in which work is to be done or that no services are required of the fellows, and that grants-in-aid given to individuals are taxable, but that expenses may be deducted. The Council's staff has been asked to cooperate with other interested bodies in attempting to persuade the Bureau of Internal Revenue to modify its position.

CORNELL SUMMER COURSE

THE ELECTRON MICROSCOPE

Cornell University has announced plans for a summer laboratory course dealing with techniques and applications of the electron microscope, to be held from July 31 to August 12. The course, to be offered by the department of engineering physics, is designed for research workers having need for fundamental knowledge in the field of electron microscopy. Further inquiries should be addressed to Professor Benjamin M. Siegel, Department of Engineering Physics, Rockefeller Hall, Cornell University, Ithaca, N. Y.

SOCIETY ACTIVITIES

SIGMA PI SIGMA

Sigma Pi Sigma, national physics honor society, has added new chapters at nine institutions during the current academic year, bringing the total membership to 8891. Of this number, something over one-quarter make up the active membership list, the remainder being classified as alumni members. Groups were installed at Alabama Polytechnic Institute, Louisiana State University, Missouri School of Mines, St. Olaf College, Tulane University, and the Universities of Arizona, Connecticut, Kansas, and New Hampshire. A national convention of the society is being planned for December 28-30, with the chapter at Berea College, Berea, Kentucky as hosts.

HERMAN SHAW

British geophysicist Herman Shaw, director of the London Science Museum at South Kensington, died May 4 at the age of fifty-eight. Dr. Shaw, an authority on

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NEWS *Continued from preceding page*

aeronautics, meteorology, and applied geophysics and the author of books on each of these subjects, had been associated with the Science Museum since 1920. He was a member of the council and honorary treasurer of the British Physical Society; he also belonged to the American Geophysical Union, the Society of Exploration Geophysicists, and the American Institute of Mining and Metallurgical Engineers. As director of the Museum, Dr. Shaw was custodian of the Wright brothers' airplane, the Kitty Hawk, during the twenty years it was in England. In 1948 he brought the plane to this country to deliver it to the Smithsonian Institution in Washington.

HELMUT L. BRADT

Helmut L. Bradt, 33-year-old visiting professor of physics at the University of Rochester, died May 24 in a Brooklyn hospital following a lung operation. A native of Berlin, Dr. Bradt received his PhD in Switzerland in 1943. He came to the United States in 1946 as a visiting professor at Purdue, and the following year joined the Rochester physics department. Last December Dr. Bradt, together with Bernard Peters and M. F. Kaplan, reported the 74-pronged "Rochester Star", discovered upon examination of photographic plates used in a high altitude cosmic ray balloon flight. Detailed study of the plates gave evidence for a neutral meson, which had been predicted but had not previously been verified. Stanford University had offered, and Dr. Bradt had accepted, a position as associate professor of physics; his appointment was to have become effective in June.

RURIC C. MASON

R. C. Mason, manager of the physics department of the Westinghouse Research Laboratories since 1947, died at his home in Pittsburgh on May 12 at the age of 47. A native of Bentonville, Arkansas, Dr. Mason received a degree in electrical engineering at the University of Arkansas in 1924 and joined Westinghouse the same year. He received the PhD degree in physics from Princeton University in 1936 and spent the following year at Utrecht, afterwards returning to Westinghouse to join the physics department. He was one of a group of scientists that went to Oak Ridge in 1946 to study atomic power-plant development problems. Dr. Mason was a fellow of the American Physical Society and a member of the American Institute of Electrical Engineers.

ROY W. CHESNUT

Roy W. Chesnut, a member of the technical staff of the Bell Telephone Laboratories since 1925, died June 4 following a brief illness. He was 58 years old. Born in Kiowa, Kansas, he graduated from Harvard with high honors in 1917 and in the same year served the French War Department's bureau of inventions as a physicist; until the end of the war he was a first lieutenant in the Signal Corps of the U. S. Army. Mr. Chesnut was a member of the American Physical Society, the American Association for the Advancement of Science, and the American Institute of Electrical Engineers.