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THEORETICAL SOLID STATE PHYSICIST

To conduct basic investigations in quantum tunnelling phenomena, p-n junction phenomena, and the theory of electrical properties of metals and semi-conductors. Advanced degree in physics desired.

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and Astronomy at the State University of Iowa. The presentation was made by Theodore von Kármán, director of the International Academy of Astronautics, which administers the award, during the XIII Congress of the International Astronautical Federation, held at Varna, Bulgaria, from September 23 to 29.

The award carries a prize of \$1000 and is given annually to an individual who has made outstanding contributions to the progress of astronautics during the preceding five years. Last year's recipient was Sir Bernard Lovell. Dr. Van Allen was honored for his development of recording and measuring instruments for US space probes, for his discovery of the radiation belts which bear his name, and for his efforts in planning and promoting the International Geophysical Year.

Bruce Medal

The 1962 Bruce Gold Medal of the Astronomical Society of the Pacific has been awarded to Grote Reber, known for his pioneering work in radio astronomy. He received his bachelor's degree at the Illinois Institute of Technology in 1933, after which he did graduate work in physics at the University of Chicago. His interest in the sources of radio noise led him to construct a radio telescope in 1937, and for several years he was the only investigator engaged in the new field of radio astronomy, which had been opened by Karl Jansky in 1932.

Mr. Reber is now in Tasmania, organizing the development of a steerable antenna array for radio-astronomy observations at a wavelength of 141 meters.

The Lawrence Award

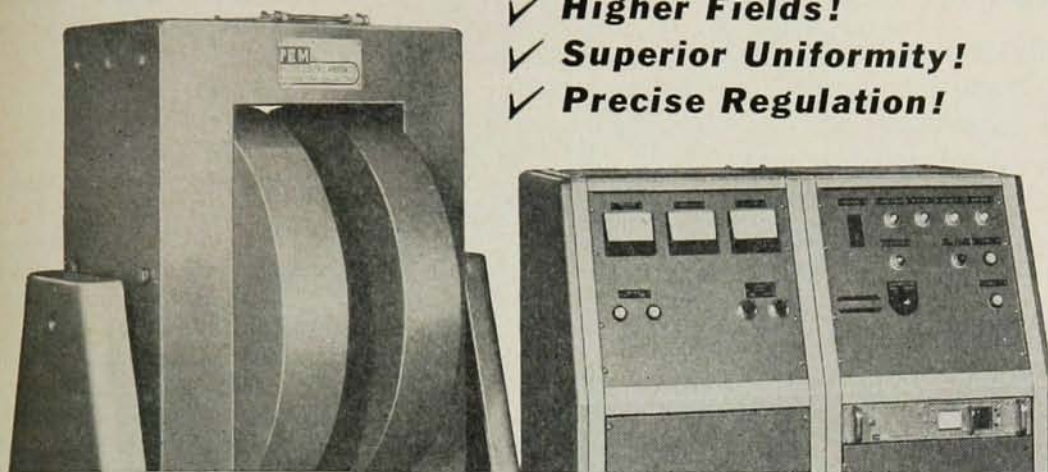
The General Advisory Committee to the US Atomic Energy Commission is receiving nominations for the 1963 Ernest Orlando Lawrence Memorial Award. The award, which was established in 1959, is given to not more than five US citizens in each year and consists of a medal, citation, and a monetary prize of not less than \$5000, awarded in recognition of "recent, especially meritorious contributions to the development, use, or control of atomic energy, including medicine and engineering". The 1963 award will be given to persons who have not reached their 46th birthday by July 1, 1963.

Previous recipients of the Lawrence Award have been: (1960) Harvey Brooks, John S. Foster, Jr., Isadore Perlman, Norman F. Ramsey, Jr., and Alvin M. Weinberg; (1961) Leo Brewer, Henry Hurwitz, Conrad L. Longmire, Wolfgang K. H. Panofsky, and Kenneth E. Wilzbach; (1962) Andrew A. Benson, Richard P. Feynman, Herbert Goldstein, Anthony L. Turkevich, and Herbert F. York.

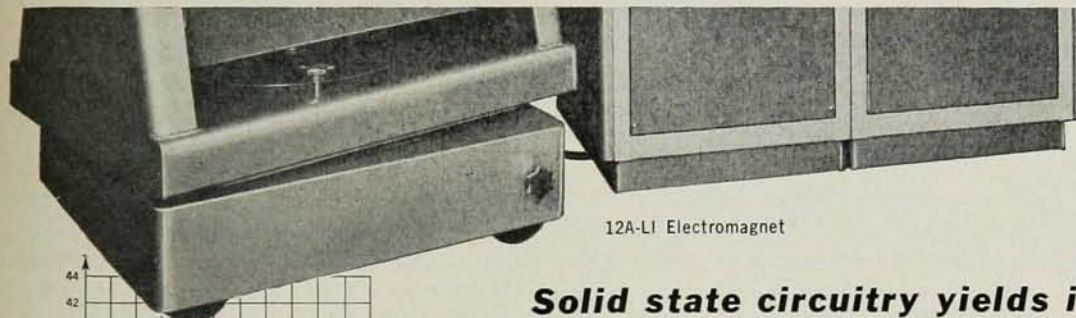
Nominations for the 1963 award should be received by the Chairman, General Advisory Committee, US Atomic Energy Commission, P.O. Box 3528, Washington 7, D. C., not later than November 1, 1962. A nomi-

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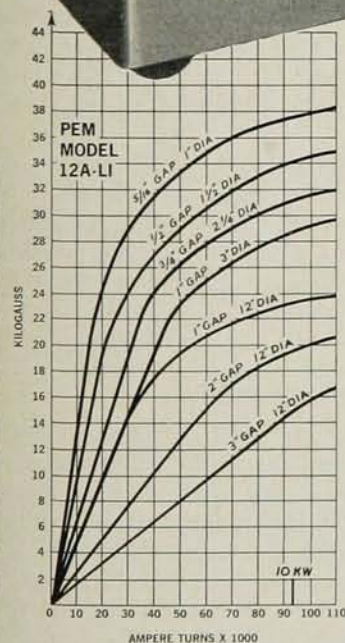
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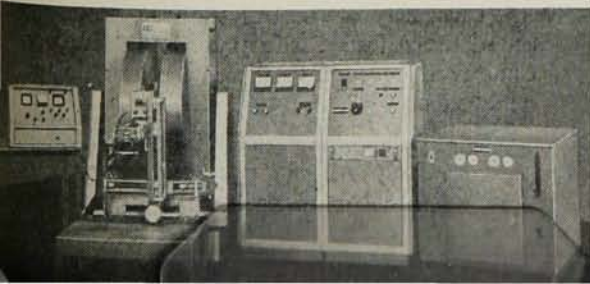
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 1 pt. $10^5 - 1 1/2"$ dia. cyl.
 1 pt. $10^4 - 4"$ dia. cyl.
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Illustrated: 12A-LI Electromagnet System. Includes magnet, "Q" Line power supply, N.M.R. equipment and water-to-water heat exchanger. Pole face windings available to increase volume of uniformity



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nation should include a brief biographical sketch, but should emphasize the scientific and technical achievements upon which it is based. Nominees who are not selected to receive the award in 1963 will be retained on the list for consideration in the two following years.

Mills Award

The American Nuclear Society's annual Mark Mills award has been won by Alfred L. Mowery, Jr., of the Los Alamos Scientific Laboratory. The \$500 award was established in memory of the late deputy director of the Lawrence Radiation Laboratory, who was killed in a helicopter crash off Eniwetok Island in 1958. It is presented for the best technical paper related to nuclear science by a graduate student. Dr. Mowery's winning paper was a section of his thesis entitled "A Generalized Variational Method for Reactor Analysis". He received his PhD at North Carolina State College last year.

Sarton Medal

The George Sarton Medal, which is awarded for outstanding performance in the history of science, has been given to Edward J. Dijksterhuis of the University of Utrecht. Prof. Dijksterhuis is known for his published works on the history of early Greek science and of 17th-century science. The presentation was made in absentia on September 2 at the banquet in Philadelphia of the International Congress of the History of Science, which met at Cornell University and at the Benjamin Franklin Hotel in Philadelphia. The medal and cash award of \$1500 are donated by the Pfizer Company.

Previous recipients of the George Sarton medal include the late George Sarton of Harvard, Alexandre Koyre of the Institute for Advanced Study at Princeton, Oswei Temkin of Johns Hopkins, the late John Fulton of Yale, and Richard H. Shryock of the University of Pennsylvania.

Combustion Institute Medals

At its Ninth International Symposium on Combustion held at Cornell University in August, the Combustion Institute presented medals to three research scientists. George B. Kistiakowsky, professor of chemistry at Harvard, received the Bernard Lewis Gold Medal "for brilliant research in the field of combustion, particularly on detonation phenomena"; Tucker Carrington of the National Bureau of Standards was awarded the Silver Combustion Medal for an outstanding paper presented at the Eighth Symposium on Combustion in 1960; Friedrich Wilhelm Jost, director of the Institute for Physical Chemistry of the University of Göttingen, was presented the Alfred C. Egerton Gold Medal for "his continuing and encouraging contributions" to the field of combustion.