

Margaret Burbidge to head Greenwich Observatory

E. Margaret Burbidge, professor of astronomy at the University of California at San Diego, has been appointed director of the Royal Greenwich Observatory in Sussex, UK. The first woman to be named to this post in its 300-year history, Burbidge succeeds Sir Richard Woolley, who is retiring after serving as director since 1955.

As director, Burbidge's primary concern will be to improve the situation in optical observational astronomy in the UK, which, because of the climate and sky quality, can best be done from overseas sites. Burbidge, who joined UCSD in 1962, will assume her new appointment in the summer of 1972, while she is on a leave of absence from San Diego. She plans to retain her connections with San Diego and to

at UCSD. He also plans to divide his time between the US and UK. In 1959, the two were jointly awarded the Helen B. Warner Prize in astronomy from the American Astronomical Society. She was asked to receive the Annie J. Cannon Prize in astronomy from the AAS in 1971, but declined on grounds that the prize is discriminatory because it is restricted to women only.

The title of Astronomer Royal, a Crown appointment previously held by the director of the Observatory, is now formally separated from this position; the new holder, to succeed Woolley, has not yet been announced.

Kenneth Kellerman wins Helen B. Warner Prize

Kenneth Kellerman, a radio astronomer at the National Radio Astronomy Observatory in Charlottesville, Va., has won the American Astronomical Society's 1971 Helen B. Warner Prize.

Kellerman is receiving the award for his interpretation of the evolution of radio sources as well as for his work on high-resolution radio interferometry and on radio emission from stars and planets. The award, which consists of \$500 and is designated for an astronomer under 35 years old, is being presented to Kellerman at the annual meeting of the AAS on 5 Dec. Earlier this year, Kellerman was one of the members of the joint group from Cornell University and the NRAO receiving the Rumford Award (see *physics today*, June, page 69).

Arthur Lodge named 1971 Bingham Medalist

The Society of Rheology has awarded the 1971 Bingham Medal to Arthur S. Lodge, a professor at the University of Wisconsin.

Lodge, who is being honored for his contributions to rheology, has been active in rheology since 1950 when he demonstrated the utility of convected coordinates in formulating and solving flow problems. His papers on rheology have included a 1956 paper on the

formulation of constitutive equations from the basis of molecular network theory, and a paper entitled "Elastic Liquids," which was a comprehensive treatment of both the theoretical and experimental aspects of modern rheology. Recently, Lodge's analysis of rheological measurements resulted in the discovery of an important source of error in normal stress measurements.

The award, established in 1946 in memory of Eugene C. Bingham who coined the word "rheology," was presented to Lodge at the AVS annual meeting in October.

AVS Welch Award to Gottfried Wehner

Gottfried K. Wehner, professor at the University of Minnesota, has been awarded the American Vacuum So-



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continue research now being conducted with the astrophysics group there.

An authority in observational astronomy and spectroscopy, Burbidge has written more than 200 papers for scientific journals, many of them in collaboration with her husband, Geoffrey Burbidge, professor of physics



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ciety's Medard W. Welch Award. The award, consisting of a gold medal and \$1000, was presented to Wehner at the annual meeting of the AVS on 13 October in Boston.

Wehner, who has been with the electrical engineering department of the University of Minnesota since 1967, was honored for his work on sputtering. His interest in this field dates back to 1955 when he began