

49. Miscellaneous Materials and Techniques

49

Reactive scattering in molecular beams : evidence of a stripping mechanism in reaction of alkali atoms with halogen. See Abstr. No. 981.

49

1057. Study of the reaction of CS with Br₂ in crossed molecular beams.

S. Datz and R. E. Minturn, *J. Chem. Phys.*, **41** (4), 15 August 1964, 1153–1154.

49 : 41 : 22

1058. Mass spectrometric study of the vaporization of uranium monophosphide.

K. A. Gingerich and Peng Kei Lee, *J. Chem. Phys.*, **40** (12), 15 June 1964, 3520–3526.

49

1059. A device for the transmission of a rotary motion into vacuum. (U.S.S.R.)

A magnetic drive for a vacuum unit is described. With the help of a special membrane, the gap between the master and slave magnets is reduced to a fraction of a millimeter. The magnets are 80 mm in dia. and the couple transferred amount to 300 gm. cm. The device has been used to rotate substrates during vacuum deposition of thin films.

O. A. Motovilov, *Pribory i Tekh. Eksper.*, (3), 1964, 221–222. (In Russian)