

solid sample. The chromatographic column is calibrated by the introduction of known gases and vapors into the carrier gas stream at *A* through a conventional serum cap fitted to a *T* junction, and an allowance made for the volume of the apparatus between *A* and *B*.

In these ways the whole range of physical form that polymer samples take can be admitted to the reactor with a minimum of preliminary treatment. That samples admitted in this manner are rapidly pyrolyzed is demonstrated by the sharpness of the peaks in the pyrogram of a sample of Bakelite polyester resin, grade SR 18995, shown in Figure 2. Pyrograms of this type may be used for the qualitative or quantitative analysis of the polymer sample, or the products identified in order to obtain information on the mode of degradation of the polymer.

References

1. Barlow, A., R. S. Lehrle, and J. C. Robb, Paper presented at the symposium on *Techniques of Polymer Science*, Plastics and Polymer Group, Society of Chemical Industry, London, September 1962.
2. Guillet, J. E., W. C. Wooten, and R. L. Combes, *J. Appl. Polymer Sci.*, **3**, 61 (1960).
3. Jones, C. E. R., and A. F. Moyles, *Nature*, **189**, 222 (1961); *ibid.*, **191**, 663 (1961).
4. Paris, W. H., and P. D. Holland, *Brit. Plastics*, **33**, 372 (1960).
5. Cobler, J. G., and E. P. Samsel, *SPE Trans.*, **2**, 145 (1962).
6. Lehmann, F. A., and G. M. Brauer, *Anal. Chem.*, **33**, 673 (1961).
7. Barlow, A., R. S. Lehrle, and J. C. Robb, *Makromol. Chem.*, **54**, 230 (1962).
8. Hewitt, G. C., and B. T. Whitham, *Analyst*, **86**, 643 (1961).
9. Blenkin, J., Preprint No. 47, Fourth Rubber Technology Conference, London, May 1962.
10. Szymanski, H., C. Salinas, and P. Kwitowski, *Nature*, **188**, 403 (1960).

B. C. COX
BRYAN ELLIS

Chemistry Department
Welsh College of Advanced Technology
Cathays Park
Cardiff, U. K.

Received December 26, 1962

ERRATA

Polysaccharide B-1459; A New Hydrocolloid Polyelectrolyte Produced from Glucose by Bacterial Fermentation

(*J. Appl. Polymer Sci.*, **5**, 519-526, 1961)

By ALLENE JEANES, J. E. PITTSLEY, and F. R. SENTI

Northern Regional Research Laboratory, Peoria, Illinois

On page 519, right-hand side, line 14, the number "17,000" should be "7,000."