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Lady Mitchell Hall (A)	Chromatography <i>Chairman: P. J. Houghton</i>		
A9 10.30–10.55	Invited lecture. V. Schurig, University of Tübingen: "Separation of isotopic and enantiomeric compositions by complexation gas chromatography."	B12 12.00–12.25	"Evaluation of a new sodium selective electrode," Martin Telting, Malcolm R. Smyth and Dermot Diamond (NIHE, Dublin), Eileen Seward, Gyula Svehla and Anthony M. McKervey (University College, Cork).
A10 11.00–11.25	"Gas chromatographic separation of hydrocarbons on chitin and chitosan as stationary phases," Jama Tuddin Mohd Daud and Harry Agusnar (Universiti Kebangsaan, Malaysia).	B13 15.00–15.25	"Development of an optical fibre aluminium sensor in a flowing system," E. Blanco Gonzalez, R. Perciro Garcia, M. E. Diaz Garcia, A. Sanz-Medel (University of Oviedo, Spain), and R. Narayanaswamy (UMIST, Manchester).
A11 11.30–11.55	"Pyrolysis gas chromatography of separated zones on thin layer chromatograms," S. J. Lyle (King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia).	B14 15.30–15.55	"Sensors based on polymer modified electrodes," Malcolm R. Smyth, Donal Leech, Mary Meaney and Johannes G. Vos (NIHE, Dublin), Pilar Dominguez, Jose-Maria Fernandez Alvarez and Tuno Blanco (University of Oviedo, Spain).
A12 12.00–12.25	"Gas chromatographic determination of dibutyltin and dioctyltin dichlorides as hydride derivatives," Sinikka Vainiotalo and Leila Hayri (Institute of Occupational Health, Helsinki, Finland).	B15 16.00–16.25	"The preparation of polypyrrole layers for NO _x gas sensors," Jonathan M. Slater and Esther Watt (Birkbeck College, London).
A13 15.00–15.25	"Selectivity and column comparisons in	B16 16.30–16.55	"Development of a test rig for evaluating metal oxide gas sensors in solvent analysis," A. Brown and S. J. Hurrell (The...

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SENSORS BASED ON POLYMER MODIFIED ELECTRODES

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The application of polymer modified electrodes as sensors for a range of inorganic and organic species is of increasing interest in analytical chemistry. In recent years, our studies have concentrated on the development of polymer modified electrodes based on $[\text{Ru}(\text{bpy})_2(\text{PVP})_5\text{Cl}]\text{Cl}$ as detection systems in flow injection analysis^{1,2} and on the incorporation of antibody species, such as anti-human serum albumin, into polypyrrole³. This paper will review the recent results that we have obtained using novel ruthenium-containing polymers, and on the further studies on the incorporation of proteins into polymeric matrices.

References

1. Barisci JN, Wallace GG, Wilke E, Meaney M, Smyth MR and Vos JG, *Electroanalysis*, in the press.
2. Meaney M, Smyth MR, Vos JG and Wallace GG, *Electroanalysis*, submitted for publication.
3. John R, Wallace GG and Smyth MR, *Biosensors*, submitted for publication.