2:30 (1264) Electrochemical Hydride Generation Sample Introduction into ICPMS. **I. Marawi**, University of Cincinnati, T. J. Ntozakhe, K. Khalema, T. H. Ridgeway, J. A. Caruso

2:50 (1265) Recent Advances in the Design of Thermospray-Based Sample Introduction for AES. **T. S. Conver**, Southern Illinois University, W. Howe, J. A. Koropchak

3:25 (1266) Elimination of Acid Matrix and Organic Solvent Interferences in Ultrasonic Nebulization ICP-AES. **J. J. Zhu**, CETAC Technologies

3:45 (1267) Use of an Ultrasonic Nebulizer in the Determination of Boron by ICP Spectrometry. **D. R. Wieder**, CETAC Technologies, F. G. Smith

4:05 (1268) Determination of Trace Elements by IC(Argon)P Spectrometry with a Modified Ultrasonic Nebulizer. **C. M. Harris**, U. S. Geological Survey, C. J. Litteral, D. L. Milne

4:25 (1269) ICP with Ultrasonic Nebulization at 5, 10, and 20 µL/min Liquid Flow Rates. **M. A. Tarr**, U. S. Environmental Protection Agency, G. Zhu, R. F. Browner

4:45 (1270) Utilizing Fluorescence for Hydride Elements with a Commercial Detector. **J. Poling**, Questron, A. C. Grillo, P. Stockwell

Separation Sciences II

Room 269
I. P. Ho, USDA, *Presiding*

1:30 (1271) New Sample Preparation Method for the Determination of Sucralose in Ketchup Using Dialysis, Trace Enrichment, and HPLC. **N. M. Rafei**, McNeil Specialty Products, G. P. Cosgrove, C. M. Merkel

1:50 (1272) Interfacial Component in the Complexation of Metal Ions by Dithizone in Microemulsions. **Y. X. Xia**, University of Arizona, S. Muralidharan, H. Freiser

2:10 (1273) Kinetics and Equilibrium of the Extraction and Back Extraction of Ni(II) and Cu(II) by Aromatic Oximes. **E. Ma**, University of Arizona, S. Muralidharan, R. P. Sperline, H. Freiser

2:30 (1274) Fundamental Aspects of the Separation of Platinum Group Metals by CPC. **H. Ma**, University of Arizona, S. Muralidharan, H. Freiser

2:50 (1275) Automated SPE/HPLC for the Extraction and Analysis of Drugs from Biological Fluids. **K. Fogelman**, Hewlett Packard, W. Miles, P. Castelli

3:25 (1276) HPLC/Diode Array Detection Analysis of Unstable Analytes Using Automated Sample Preparation. **R. Gard**, Hitachi Instruments

3:45 (1277) Systematic Chiral Separation Development on Bonded R versus S versus RS Naphthylethyl Carbamate Derivatives of β- and γ-Cyclodextrin. **T. E. Beesley**, Advanced Separation Technologies, T. Zakszewski

4:05 (1278) Analysis of Ligand/Protein Complexation Using CE Focusing. **A. C. Cater**, Furman University, C. V. Thomas, D. B. Meetze, J. F. Wheeler

4:25 (1279) Determination of Ammonia and Inorganic Nitrogen Using the Diffusion-Conductivity Method. **I. K. Henderson**, Alltech Associates, R. Saari-Nordhaus, J. M. Anderson, Jr.

4:45 (1280) Rate of Extraction and Separation Efficiency in CPC for Some Tervalent Lanthanide Metals. **K. Inaba**, University of Arizona, S. Muralidharan, H. Freiser

Surface Phenonema with Analytical Potentialities

Room 363
A. J. Sharkins, ALCOA, *Presiding*

1:30 (1281) Metalloporphyrin-Based Anion-Selective Optical Sensors. **E. Wang**, University of Michigan, M. E. Meyerhoff

1:50 (1282) Voltammetry in CO_2-Based Fluids with Platinum Microdisk Electrodes Coated with Polymer Electrolytes. **E. F. Sullenberger**, University of Pittsburgh, M. G. Garguilo, A. C. Michael

2:10 (1283) Response of Graphite Surfaces with Surfactants as Molecular Spacers. **A. Marino**, University of Florida, A. Brajter-Toth

2:30 (1284) Characterization of Plasma-Modified Fluoropolymer Surfaces. **M. Li**, State University of New York, F. V. Bright

2:50 (1285) Characterization of Doped Sol-Gel Materials for Use as Chemical Sensors and Tunable Glass Lasers. **U. Narang**, State University of New York, R. A. Dunbar, P. N. Prasad, F. V. Bright