INDEXES

Volume 2, 1973

The indexes in this issue cover Volumes 1 and 2

INDEX OF AUTHORS

Ahluwalia, J. C., 2, 203 Baker, A. D., 1, 355 Bentley, P. H., 2, 29 Braterman, P. S., 2, 271 Breslow, R., 1, 553 Brundle, C. R., 1, 355 Carabine, M. D., 1, 411 Cardin, D. J., 2, 99 Carless, H. A. J., 1, 465 Çetinkaya, B., 2, 99 Chatt, J., 1, 121 Chivers, T., 2, 233 Corfield, G. C., 1, 523 Cornforth, J. W., 2, 1 Coulson, E. H., 1, 495 Coyle, J. D., 1, 465 Cross, R. J., 2, 271 Doyle, M. J., 2, 99 Drummond, I., 2, 233 Evans, D. A., 2, 75 Fry, A., 1, 163

Green, C. L., 2, 75 Griffiths, J., 1, 481 Grossert, J. S., 1, 1 Groves, J. K., 1, 73 Guilford, H., 2, 249 Gutteridge, N. J. A., 1, 381 Hall, G. G., 2, 21 Harmony, M. D., 1, 211 Hartley, F. R., 2, 163 Henderson, J. W., 2, 397 Jamieson, A. M., 2, 325 Jotham, R. W., 2, 457 Kennedy, J. F., 2, 355 Kresge, A. J., 2, 475 Lappert, M. F., 2, 99 Leigh, G. J., 1, 121 Linford, R. G., 1, 445 Lipscomb, W. N., 1, 319 Maitland, G. C., 2, 181 Maret, A. R., 2, 325

Mason, R., 1, 431 Mayo, B. C., 2, 49 Menger, F. M., 1, 229 Moore, H. W., 2, 415 Mulheirn, L. J., 1, 259 North, A. M., 1, 49 Page, M. I., 2, 295 Ramm, P. J., 1, 259 Rattee, I. D., 1, 145 Sarma, T. S., 2, 203 Smith, E. B., 2, 181 Stacey, M., 2, 145 Sutherland, R. G., 1, 241 Thomas, T. W., 1, 99 Thompson, M., 1, 355 Tolman, C. A., 1, 337 Underhill, A. E., 1, 99 Waltz, W. L., 1, 241 Whitfield, R. C., 1, 27

INDEX OF TITLES

Acylation, Friedel-Crafts, of alkenes,	Cyclopolymerization, 1, 523
Alkenes, the Friedel-Crafts acylation of. 1, 73	Dielectric relaxation in polymer solutions, 1, 49
Atmosphere, interactions in, of drop-	Droplets and gases, interactions in the
lets and gases. 1. 411	atmosphere of, 1, 411
Azidoquinones and related compounds, chemistry of, 2, 415	atmosphere of, 1, 411 Dyeing, chemistry of, 1, 145
Azobenzene and its derivatives, photo- chemistry of, 1, 481	Echinoderms, 1, 1 Education, chemical, a reassessment of
Discription of a street terms 4 550	research in, 1, 27 Electron spectroscopy, 1, 355 Elimination reactions, isotope effect
Biomimetic chemistry, 1, 553	Electron spectroscopy, 1, 355
Biosythesis of sterols, 1, 259 Brønsted relation – recent develop-	studies of 1 162
	studies of, 1, 163 Energetics of neighbouring group
ments, 2, 475	
Carbabudrata protein complaves alu	participation, 2, 295 Enzymes, the logic of working with,
Carbohydrate-protein complexes, gly- coproteins, and proteoglycans,	
of human tissues, chemical aspects	2, 1 —, three-dimensional structures and
of, 2, 355	chemical mechanisms of, 1, 319
Carbonium ions, carbanions, and	Experimental studies on the structure
radicals, chirality in, 2, 397	of aqueous solutions of hydro-
Carbonyl compounds, photochem-	phobic solutes, 2, 203
istry of, 1, 465	photic solutes, 2, 203
Catalysis, homogeneous, and organo-	Fixation, of nitrogen, 1, 121 Forces between simple molecules,
metallic chemistry, the 16 and 18	Forces between simple molecules.
electron rule in. 1, 337	2, 181
electron rule in, 1, 337 CENTENARY LECTURE. Biomimetic	Friedel-Crafts acylation of alkenes,
chemistry, 1, 553	1, 73
CENTENARY LECTURE. Three-dimen-	
sional structures and chemical	Gases, and droplets, interactions in the
mechanisms of enzymes, 1, 319	atmosphere of, 1, 411
Chemical aspects of affiinity chroma-	Glycoproteins, proteoglycans, and car-
tography, 2, 249	bohydrate-protein complexes of hu-
Chemicals in rodent control, 1, 381	man tissues, chemical aspects of,
Chemistry—a topological subject,	2, 355
2, 457	Growth of computational quantum
of azidoquinones and related	chemistry from 1950 to 1971, 2, 21
compounds, 2, 415 — of dyeing, 1, 145	HAWORTH MEMORIAL LECTURE. The
of homonuclear sulphur species,	consequences of some projects ini-
2, 233	tiated by Sir Norman Haworth,
— of transition-metal carbene com-	2, 145
plexes and their role as reaction	Homogenous catalysis, and organo-
intermediates, 2, 99	metallic chemistry, the 16 and 18
Chirality in carbonium ions, car-	electron rule in, 1, 337
banions, and radicals, 2, 397	electron rule in, 1, 337 Hydrophobic solutes, experimental
Chromatography, affinity, aspects of,	studies on the structure of aqueous
2, 249	solutions of, 2, 203
Cis- and trans-effects of ligands, 2, 163	
Conformational studies on small mole-	Insect attractants of natural origin,
cules 1, 293	2. 75

Interactions, in the atmosphere of droplets and gases, 1, 411—, metal-metal, in transition-metal complexes containing infinite chains of metal atoms, 1, 99 Isotope effect studies of elimination reactions, 1, 163	Quantum mechanical tunnelling in chemstry, 1, 211 Quasielastic laser light scattering, 2, 325 Reactivity of organic molecules at phase boundaries, 1, 229
Lanthanide shift reagents in nuclear magnetic resonance spectroscopy, 2, 49 Laser light scattering, quasielastic, 2, 325 Ligands, cis- and trans-effects, 2, 163 Mechanisms, chemical, and three-dimensional structures of enzymes, 1, 319 Meldola Medal Lecture. Chemical aspects of glycoproteins, proteoglycans, and carbohydrate-protein complexes of human tissues, 2, 355 Metal-metal interactions in transition-metal complexes containing infinite chains of metal atoms, 1, 99 Natural products from echinoderms, 1, 1 Neighbouring group participation, energetics of, 2, 295 Nitrogen fixation, 1, 121	Research in chemical education: a reassessment, 1, 27 ROBERT ROBINSON LECTURE. The logic of working with enzymes, 2, 1 Rodent control, chemicals in, 1, 381 16 and 18 Electron rule in organometallic chemistry and homogeneous catalysis, 1, 337 Small molecules, conformation studies on, 1, 293 Solids, surface energy of, 1, 445 Some recent developments in chemistry teaching in schools, 1, 495 Spectroscopy, electron, 1, 355 Stability, reactivity, and orbital correlations of organo-transition-metal complexes, 2, 271 Sterols, biosynthesis of, 1, 259 Structure of aqueous solutions of hydrophobic solutes, experimental studies on, 2, 203 Sulphur species, homonuclear, chemistry of, 2, 233
Nuclear magnetic resonance spectro- scopy, lanthanide shift reagents in, 2, 49	Surface energy of solids, 1, 445 Sytheses, total, of prostanoids, 2, 29
Organometallic chemistry and homogeneous catalysis, the 16 and 18 electron rule in, 1, 337 Organo-transition-metal complexes: stability, reactivity, and orbital correlations, 2, 271 Phase boundaries, reactivity of organic molecules at, 1, 229 Photochemistry, of azobenzene and its derivatives, 1, 481 —, of carbonyl compounds, 1, 465 —, of transition-metal co-ordination compounds—a survey, 1, 241 Polymer solutions, dielectric relaxation in, 1, 49 Prostanoids, total syntheses of, 2, 29	Teaching, of chemistry in schools, some recent developments in, 1, 495 Three-dimensional structures and chemical mechanisms of enzymes, 1, 319 TILDEN LECTURE. Valence in transition-metal complexes, 1, 431 Topological subject—chemistry, 2, 457 Transition-metal, carbene complexes, chemistry and role as reaction intermediates, 2, 99 complexes, containing infinite chains of metal atoms, metal—metal interactions in, 1, 99 complexes, valence in, 1, 431 co-ordination compounds, photochemistry of, 1, 241
Quantum chemistry, computational, growth of from 1950 to 1971, 2, 21	Valence in transition-metal complexes, 1, 431