

# PROCEEDINGS: INDEX OF AUTHORS

## General Index

### B

- Barton**, D. H. R. Biogenesis of phenolic alkaloids (*Hugo Müller lecture*), 293.  
**Battersby**, A. R. Biosynthesis of alkaloids (*Tilden lecture*), 189.  
**Berry**, A. J., and **Moelwyn-Hughes**, E. A. Chemistry at Cambridge from 1901 to 1910, 357.  
**Bunnenberg**, E. See **Djerassi**, C., 299.

### C

- Cahn**, R. S. Obituary notice on Alec Duncan Mitchell, 352.

### D

- Djerassi**, C., and **Bunnenberg**, E. Recording and nomenclature of circular dichroism, 299.  
**Duffin**, W. M. Obituary notice on Sydney Smith, 29.

### F

- Farrar**, W. V. Strange history of intensive drying, 125.

### G

- Graham**, A. R. Obituary notice on Denis Cheseleden Quin, 355.  
**Grove**, D. M. Obituary notice on Cecilia Mary French, 30.

### H

- Haworth**, R. D., and **Lamberton**, A. H. Obituary notice on Sir Irvine Masson, 120.  
**Henbest**, H. B. Stereoselectivity in the reactions of cyclic compounds (*Tilden lecture*), 159.  
**Hirst**, E. L. Obituary notice on Professor John Read, 353.

### K

- Kent**, A. Frederick Soddy (1877-1956), 327.  
**Kipping**, F. B. Obituary notice on James Bell Whitworth, 392.

### A

- Abraham**, R. J., **Burbidge**, P. A., **Jackson**, A. H., and **Kenner**, G. W. Concentration effects in proton magnetic resonance spectra of porphyrins, 134.  
**Acheson**, R. M., and **Snaith**, R. W. New indole rearrangement, 344.  
**Achmad**, S. A., and **Cavill**, G. W. K. Stereospecific synthesis of the enantiomer of natural iridodial, and of natural nepatalactone, 166.  
**Adams**, G. E., **Baxendale**, J. H., and **Boag**, J. W. Formation of abnormal valency states in the radiolysis of aqueous metal-ion solutions, 241.

### L

- Lamberton**, A. H. See **Haworth**, R. D., 120.  
**Lloyd**, P. V. Industries of South Wales: their history and development, 6.

### M

- Mann**, F. G. Obituary notice on Hamilton McCombie, 122.  
**Milone**, M. Obituary notice on Antonio Giuseppe Nasini, 321.  
**Moelwyn-Hughes**, E. A. See **Berry**, A. J., 357.

### P

- Philbin**, E. M. Obituary notice on Thomas Sherlock Wheeler, 154.  
**Piggott**, H. A. Obituary notice on William Charlton, 187.

### R

- Richards**, R. E. Nuclear magnetic resonance (*Tilden lecture*), 101.  
**Robertson**, J. M. Contributions of X-ray analysis to natural-product chemistry (*Presidential address*), 229.  
**Robinson**, F. A. Obituary notice on Edwin Percival Taylor, 153.  
**Rydon**, H. N. Obituary notice on William Henry Lewis, 323.

### S

- Sanger**, F. Amino-acid sequences in the active centres of certain enzymes (*Pedlar lecture*), 76.

### T

- Thomas**, G. University College, Cardiff, 3.

### W

- Westheimer**, F. H. Mechanism of the enzymic decarboxylation of acetoacetic acid (*Centenary lecture*), 253.

## Communications

- Agnès**, G. See **Chiusoli**, G. P., 310.  
**Albery**, W. J., and **Bell**, R. P. The kinetics of the dissociation of weak acids measured by a rotating platinum disc electrode, 169.  
**Alexakos**, L. G., **Cornwell**, C. D., and **Pierce**, S. B. Nuclear magnetic resonance spectra of iodine heptafluoride and iodine oxide pentafluoride, 341.  
**Anbar**, M., **Guttmann**, S., and **Friedman**, C. Deiodination of *o*-iodobenzoic acid induced by copper(II) ions, 10.  
**Anbar**, M., and **Rona**, P. Effect of cupric and thallous ions on the radiolysis of aqueous solutions of ethylenediamine, propane-1,2-diamine, and glycine, 244.

- Angyal, S. J., and Shelton, B.** Structure and synthesis of "manninositose," 57.
- ApSimon, J. W., Corran, J. A., Creasey, N. G., Sim, K. Y., and Whalley, W. B.** Structure of ergoflavin, 209.
- ApSimon, J. W., Corran, A. J., Creasey, N. G., Marlow, W., Whalley, W. B., and Sim, K. Y.** Structure of ergochrysin, scalenic acid, and chrysogenic acid, 313.
- Archer, D. A., Breuer, S. W., Binks, R., Battersby, A. R., and Wildman, W. C.** Biosynthesis in the Amaryllidaceae: further evidence in the C<sub>6</sub>-C<sub>1</sub> unit and the methylenedioxy group, 168.
- Asako, T.** See Miki, T., 139.
- Asher, J. D. M., McPhail, A. T., Robertson, J. M., Silverton, J. V., and Sim, G. A.** Structure of ergoflavin, 210.
- Atkins, P. W., Symons, M. C. R., and Trevalion, P. A.** Evidence for pairwise trapping of photolytic free radicals, 222.
- Ayscough, P. B., and Sargent, F. P.** Photolytic generation of aromatic radical-anions: electron-spin resonance studies, 94.
- B**
- Baciocchi, E.** See Burnett, J. F., 238.
- Badger, G. M., Jackman, L. M., Sklar, R., and Wenkert, E.** Structures of rotundifoline and mitragynol, 206.
- Bailey, N. A., and Mason, R.** Electron distribution in 1,8-bis-dehydro[14]annulene, 180.
- Baker, C. S. L., Landor, P. D., and Landor, S. R.** Coupling of allenic halides with ethynyl compounds, 340.
- Banks, G. R., and Cohen, D.** A new route to thione esters, 83.
- Bantherope, D. V., and Ridd, J. H.** Extent of hydrogen-isotope exchange in the elimination reactions of trimethyl- $\alpha$ -methylbenzylammonium and -phenylammonium ions, 225.
- Bartlett, N., and Levcuk, L. E.** Iodine oxide pentafluoride and iodine heptafluoride, 342.
- Barton, D. H. R., and Beckwith, A. J. L.** Novel synthesis of lactones, 335.
- Barton, D. H. R., Budhiraja, R. P., and McGhie, J. F.** Synthesis of cycloartane, 170.
- Barton, D. H. R., Hesse, R. H., and Kirby, G. W.** Origin of the "berberine carbon," 267.
- Barton, D. H. R., Kirby, G. W., Steglich, W., and Thomas, G. M.** Biosynthesis and synthesis of morphine alkaloids, 203.
- Barton, D. H. R.** See also Haynes, L. J., 280.
- Basi, J. S., and Bradley, D. C.** Monomeric quadricovalent chromium compounds, 305.
- Basolo, F., Bounsell, E. J., and Poš, A. J.** *trans*-Effect in octahedral rhodium complexes, 366.
- Batterham, T. J., and Weiss, U.** Structure of elsinochrome A, 89.
- Battersby, A. R., Binks, R., Foulkes, D. M., Francis, R. J., McCaldin, D. J., and Ramuz, H.** 1-Benzylisoquinolines as precursors of the opium alkaloids: tracer and stereochemical studies, 203.
- Battersby, A. R., Binks, R., Lawrie, W., Parry, G. V., and Webster, B. R.** Biosynthesis of the indole and Ipecacuanha alkaloids, 369.
- Battersby, A. R., Francis, R. J., Hirst, M., and Staunton, J.** Biosynthesis of the "berberine bridge," 268.
- Battersby, A. R.** See also Archer, D. A., 168.
- Baughan, E. C., Jones, T. P., and Stoodley, L. G.** Antimony halides as solvents. Part III. Electron spin resonance spectra of aromatic hydrocarbons in antimony trichloride, 274.
- Baxendale, J. H., and Dixon, R. S.** Some unusual reductions by the hydrated electron, 149.
- Baxendale, J. H., Fielden, E. M., and Keene, J. P.** Absolute rate constants for the reactions of some metal ions with the hydrated electron, 242.
- Baxendale, J. H.** See also Adams, G. E., 241.
- Beck, W. H., Caudle, J., Covington, A. K., and Wynne-Jones, W. F. K.** Precise measurements with the glass electrode: the time variation of E.M.F., 110.
- Beckwith, A. J. L.** See Barton, D. H. R., 335.
- Bell, R. P.** See Albery, W. J., 169.
- Bennett, M. J., and Mason, R.** Structure and reactivity of tricarbonyl- $\pi$ -cyclopentadienylethylmolybdenum, 273.
- Bentley, K. W., and Hardy, D. G.** New potent analgesics in the morphine series, 220.
- Beyerman, H. C., and Maassen van der Brink, W.** Use of bifunctional catalysts in peptide and other syntheses, 266.
- Binks, R.** See Archer, D. A., 168, and Battersby, A. R., 203, 369.
- Black, D. K., and Landor, S. R.** Synthesis of the antibiotic P.A. 147 [5-Hydroxy-3-vinylfuran-2(5H)-one], 183.
- Blandamer, M. J., Gross, J. M., and Symons, M. C. R.** Spectroscopic evidence for the sulphide ion in aqueous solution, 147.
- Block, H., and Jackson, J. B.** Calorimetric determination of conformational changes in polypeptides, 381.
- Bloodworth, A. J., and Davies, A. G.** *N*-Stannylicarbamates, and their role as possible intermediates in the formation of urethanes, 264.
- Bloodworth, A. J., and Davies, A. G.** Reactions involving the addition or the elimination of metallic compounds, 315.
- Blues, E. T.** See Bryce-Smith, D., 219.
- Boag, J. W.** See Adams, G. E., 241.
- Bocks, S. M., and Cambie, R. C.** Enzymic coupling of totarol, 143.
- Boekelheide, V.** See Wenzinger, G. R., 53.
- Borden, G. W.** See Chapman, O. L., 221.
- Bounsell, E. J.** See Basolo, F., 366.
- Bourn, A. J. R., Gillies, D. G., and Randall, E. W.** Paramagnetic shifts in fluoro-aromatic compounds, 200.
- Bowen, E. J., and Eland, J. H. D.** Photochemistry of diphenylamine solutions, 202.
- Bowen, E. J., and Lloyd, R. A.** Chemiluminescence from dissolved oxygen, 305.
- Bradley, D. C.** See Basi, J. S., 305.
- Bradshaw, C. P. C., and Nechvatal, A.** Preparation of t-butyl hypochlorite, 213.
- Brand, J. C. D., Calloman, J. H., Moule, D. C., and Tyrrell, J.** The  $^1A_2$  state of thiophosgene, 307.
- Braterman, P. S., Phipps, P. B. P., and Williams, R. J. P.** Electron transfer in some solids containing complex ions, 12.
- Breakspere, R. J., Gregg, S. J., and Leach, H. F.** Reaction of aluminium with carbon dioxide at 400–650°, 304.
- Brennan, D., and Jackson, J. M.** Distribution of adsorbate within evaporated metal films, 375.
- Brennan, J. F.** See Kresge, A. J., 215.
- Breuer, S. W.** See Archer, D. A., 168.
- Briggs, L. H.** See Cross, B. E., 17.
- Brooke, G. M., Chambers, R. D., Heyes, J., and Musgrave, W. K. R.** Direct preparation of some functional fluoro-aromatic compounds, 94.
- Brooke, G. M., Chambers, R. D., Heyes, J., and Musgrave, W. K. R.** Orientation reactions of chloropentafluorobenzene and related compounds, 213.
- Brown, D. M., and Usher, D. A.** Hydrolysis of phosphate diesters: effect of a neighbouring hydroxyl group, 309.
- Bryce-Smith, D., Wakefield, B. J., and Blues, E. T.** Convenient new method for the reduction of organic halides, 219.
- Bryce-Smith, D., and Wakefield, B. J.** n-Butylmagnesium isopropoxide: preparation of alkoxide analogues of Grignard reagents, 376.
- Buckingham, A. D.** Electric-field induced overtones in nuclear magnetic resonance, 336.
- Buckingham, A. D., and McLauchlan, K. A.** Absolute sign of the spin–spin coupling constant, 144.
- Budhiraja, R. P.** See Barton, D. H. R., 170.
- Büchi, G., Feairheller, S. H., de Mayo, P., and Williams, R. E.** Copaeene, 214.
- Büchi, G.** See also Dobler, M., 383.
- Bunnell, J. F., and Baciocchi, E.** Nucleophilic reactivity of alkoxide and mercaptide ions towards hydrogen, 238.
- Burbridge, P. A.** See Abraham, R. J., 134.
- Burnell, R. H.** See Jeffreys, J. A. D., 171.
- Busch, D. H.** See Melson, G. A., 223.
- Buss, D. H.** See Guthrie, R. D., 84.

## C

- Cady, G. H., Eggers, D. F., and Tittle, B. Difluoro(penta-fluorosulphur)amine,  $SF_5NF_2$ , 65.
- Calloman, J. H. See Brand, J. C. D., 307.
- Cambie, R. C. See Bocks, S. M., 143, and Cross, B. E., 17.
- Carr, M. D., Clarke, J. R. P., and Whiting, M. C. Isomerisation of the n-octanes in acidic and basic media, 333.
- Caudle, J. See Beck, W. H., 110.
- Cavill, G. W. K. See Achmad, S. A., 166.
- Cerfontain, H. See Wanders, A. C. M., 174.
- Chambers, R. D., and Chivers, T. Cleavage reactions of pentafluorophenyl derivatives of tin and boron, 208.
- Chambers, R. D. See also Brooke, G. M., 94, 213.
- Chapman, O. L., and Borden, G. W. Anomalous photo-isomerisation in the cycloheptatriene series, 221.
- Cheeseman, T. P., Hall, D., and Waters, T. N. Stereochemistry of copper in 2,2'-biphenylbis-(2-iminomethyl-phenolato)copper(II), 379.
- Chiusoli, G. P., and Agnès, G. Dienoic acid and phenols: a novel cyclisation reaction, 310.
- Chivers, T. See Chambers, R. D., 208.
- Christensen, J. J. See Hale, J. D., 240.
- Churchill, M. R., and Mason, R. Stereochemistry and conformation of  $\pi$ -cyclopentadienyl-1-phenylcyclopentadiene-cobalt, 112.
- Churchill, M. R., and Mason, R. Stabilisation of a non-planar benzene nucleus in the molecular structure of  $\pi$ -cyclopentadienylhexakis(trifluoromethylbenzene)ruthenium, 365.
- Clark, H. C., and O'Brien, R. J. Covalent bonding in fluorosalts of the trimethyltin group, 113.
- Clark, H. C., O'Brien, R. J., and Trotter, J. Crystal structure of trimethyltin fluoride, 85.
- Clark, V. M., and Warren, S. G. Mechanism of pyrophosphate formation from phosphoramidates, 178.
- Clarke, J. R. P. See Carr, M. D., 333.
- Clark-Lewis, J. W., Spotswood, T. M., and Williams, L. R. Stereochemistry of flavan-4 $\beta$ -ols, 20.
- Clifton, P., and Pratt, L. Proton resonance spectra of cobalt ammines, 339.
- Cohen, D. See Banks, G. R., 83.
- Cookson, R. C., and Jones, D. W. Generation of tetraphenylcyclobutadiene and its adducts from its palladium chloride complex, 115.
- Cookson, R. C., and Nye, M. J. Reactions of the intermediate from reduction of bis- $\alpha$ -bromobenzyl ketone, 129.
- Cookson, R. C., and Wallis, S. R. Pyrolysis of allyl ethers: hydrogenolysis of allyl alcohols with specific migration of the double bond, 58.
- Corbett, R. E. See Jeffreys, J. A. D., 171.
- Cornwell, C. D. See Alexakos, L. G., 341.
- Corran, J. A. See ApSimon, J. W., 209, 313.
- Cottrell, T. L., Hunter, T. F., and Read, A. W. Vibrational relaxation time of the 3.3  $\mu$  band in methane, 272.
- Covington, A. K. See Beck, W. H., 110.
- Coyle, T. D. Exchange processes in the reaction of boron trichloride with triethylamine-boron trifluoride, 172.
- Craig, J. C., and Moyle, M. An *in vitro* model for the synthesis of allenes, 56.
- Crawford, R. J., and Raap, R. Homolytic decomposition of diethoxydiazomethane, 370.
- Creasey, N. G. See ApSimon, J. W., 209, 313.
- Crispin, D. J., and Whitehurst, J. S. Further total synthesis of oestrone, 22.
- Crombie, L., and Peace, R. Structure of amorphigenin, the aglycone of the first natural rotenoid glycoside, 246.
- Cross, B. E., Hanson, J. R., Briggs, L. H., Cambie, R. C., and Rutledge, P. S. Inter-relationship of (-)-kaurene and (+)-phyllocladene, 17.

## D

- Darbyshire, J. A. C. See Kilbourn, B. T., 207.
- Davies, A. G. See Bloodworth, A. J., 264, 315.
- de Boer, E., and Maekor, E. L. Alternation of line width in the electron spin resonance spectrum of the alkali-metal radical-ion complex of pyracene, 23.

- de Mayo, P., Yip, R. W., and Reid, S. T. Mechanism of photochemical cycloaddition: direct formation of the *trans*-bicyclo[4.2.0]octane system, 54.
- de Mayo, P. See also Büchi, G., 214.
- de Tonkelaar, W. A. M. See Kooyman, E. C., 66.
- Di Maio, G., and Tardella, P. A. Ring contraction of N-hydroxylactams to heterocyclic bases, 224.
- Dixon, R. S. See Baxendale, J. H., 149.
- Dixon, W. T., and Norman, R. O. C. Intermediate in homo-lytic aromatic substitution, 97.
- Djerassi, C., and von Mutzenbecher, G. Synthesis of 15-oxo-steroids, 377.
- Dodge, R. P., Mills, O. S., and Schomaker, V. Molecular structure of the reaction product from 2,3-dimethylbuta-1,3-diene and osmium carbonyl, 380.
- Dobler, M., Dunitz, J. D., Gubler, B., Weber, H. P., Büchi, G., and Padilla O., J. Structure of patchouli alcohol, 383.
- Dobson, G., and Hughes, G. Molecular process in the radiation-induced oxidation of hydrocarbons, 109.
- Dolphin, D. H., and Johnson, A. W. Reaction of cobalamins with thiols: an alternative synthesis of alkyl-cobamide coenzyme analogues, 311.
- Doyle, P., Maclean, I. R., Parker, W., and Raphael, R. A. Total synthesis of ( $\pm$ )-cloveene, 239.
- Dunitz, J. D. See Dobler, M., 383.
- Dutta, P. C. See Matthew, C. T., 135.
- Dyer, J. Geminal fluorine spin-coupling in some substituted ethanes, 275.
- Dyke, S. F., Ollis, W. D., and Sainsbury, M. F. Constitution of munetone, 179.

## E

- Eaborn, C., and Steward, O. W. Steric course of aromatic bromodesilylation, 59.
- Earnshaw, A., Larkworthy, L. F., and Patel, K. S. Anomalous magnetic behaviour of some chromous compounds, 281.
- Ebsworth, E. A. V., Jenkins, D. R., Mays, M. J., and Sugden, T. N. Preparation and structure of silyl azide, 21.
- Edwards, A. J. Chromium pentafluoride and chromium oxide tetrafluoride, 205.
- Edwards, A. J., Holloway, J. H., and Peacock, R. D. New fluorine compounds of xenon, 275.
- Eggers, D. F. See Cady, G. H., 65.
- Eggers, S. H., Emerson, T. R., Kane, V. V., and Lowe, G. Synthesis of a new fragmentation product of a cephalosporanic acid derivative, 248.
- Eland, J. H. D. See Bowen, E. J., 202.
- Elmore, D. T., and Smyth, J. New synthesis of aryl esters of N-acylated amino-acids and peptides, 18.
- Emerson, T. R. See Eggers, S. H., 248.
- Empedocles, P. B., and Linnett, J. W. Wave function and chemical formula for benzene, 303.
- Evans, D. F. Effect of nitrogen under pressure on the Rydberg spectra of polyatomic molecules; the nature of the long-wavelength olefin bands, 378.
- Evans, D. F. See also Maher, J. P., 176.
- Everett, D. H., and Redman, E. Kinetics of cross-linking reactions in solids, 91.
- Eyre, D. H., Harrison, J. W., Scrowston, R. M., and Lythgoe, B. Constituents of taxicin-I and -II, 271.

## F

- Falconer, W. E., and Morton, J. R. Electron spin resonance spectrum of the XeF radical, 95.
- Fairheller, S. H. See Büchi, G., 214.
- Feather, J. A., and Gold, V. Steric effects in proton transfer reactions, 306.
- Featherstone, W., Jackson, E., and Kohnstam, G. Effect of solvent changes on the stabilities of initial and transition states in solvolysis by  $S_N$  mechanisms, 175.
- Fergusson, J. E. See Robinson, W. T., 116.
- Ferrier, R. J., Overend, W. G., Rafferty, G. A. (Mrs.), Wall, H. M., and Williams, N. R. Determination of the configuration of branched-chain sugars, 133.

- Field, B. O., and Hardy, C. J.** Trinitrato-niobium(v) oxide,  $\text{NbO}(\text{NO}_3)_3$ , 11.  
**Fielden, E. M.** See **Baxendale, J. H.**, 242.  
**Finnegan, R. A., Mueller, W. H., and Morris, M. P.** Naturally occurring aliphatic nitro-compounds: the endecaphyllins, 182.  
**Fischer, A. G.** See **Suhadolnik, R. J.**, 132.  
**Forrest, H. S.** See **Lagowski, J. M.**, 343.  
**Foster, A. B., Stacey, M., Webber, J. M., and Westwood, J. H.** Configurational correlation of desosamine and chalcosine, 279.  
**Foulkes, D. M.** See **Battersby, A. R.**, 203.  
**Francis, R. J.** See **Battersby, A. R.**, 203, 268.  
**Fraser, R. T. M.** Evidence for geometric isomers of the chlorotetraethylenepentaminecobalt(III) ion, 262.  
**Freedman, H. H., and Gohlke, R. S.** Structure of the tetraphenylcyclobutadiene dimer, 249.  
**Friedman, C.** See **Anbar, M.**, 10.  
**Fuller, A. E., and Hickinbottom, W. J.** Chlorination of 2,2,4-trimethylpentane, 147.

**G**

- Gaines, D. F., and Schaffer, R.** Studies of boranes. Part VIII. Hexaborane-12,  $\text{B}_6\text{H}_{12}$ , 267.  
**Gerdil, R., and Lucken, E. A. C.** Radical-anions containing sulphur atoms in a conjugated system, 144.  
**Ghosez, L., and Laroche, P.** Addition of dichlorocarbene to norbornylene, 90.  
**Gibson, M. S., and Murray, A. W.** Novel pyrazole synthesis, 345.  
**Gillespie, R. J., and Quail, J. W.** Iodine oxide pentafluoride, 278.  
**Gillies, D. G.** See **Bourn, A. J. R.**, 200.  
**Glass, D. S., Zirner, J., and Winstein, S.** Dienyl and homodiaryl 1,5-hydrogen transfer in cyclic trienes and homotrienes, 276.  
**Glockling, F., and Hooton, K. A.** Organogermanium-phosphorus compounds, 146.  
**Gohlke, R. S.** See **Freedman, H. H.**, 249.  
**Gold, V.** Fractionation of hydrogen isotopes between hydrogen ions and water, 141.  
**Gold, V., and Lowe, B. M.** Ionic product of deuterium oxide and its mixtures with protium oxide, 140.  
**Gold, V.** See also **Feather, J. A.**, 306.  
**Graddon, D. P., and Weeden, D. G.** 8-Co-ordinate compound of zinc(II), 247.  
**Graham, C. L., McQuillin, F. J., and Simpson, P. L.** Alkylation with benzoyloxymethyl chloride. Factors influencing stereoselectivity in alkylation, 136.  
**Grdenič, D., and Korpar-Čolig, B.** Acetylacetone as a neutral ligand: dioxobis(acetylacetone)molybdenum(IV), 308.  
**Green, M.** Reaction of bicyclo[2.2.1]heptadiene with methylphosphorous dichloride, 177.  
**Greenwood, J. M., Qureshi, I. H., and Sutherland, J. K.** A readily reversible transannular reaction in the caryophyllene series, 372.  
**Greenwood, N. N., and Morris, J. H.** Novel synthesis of the  $\text{B}_{12}\text{H}_{12}^{2-}$  anion, 338.  
**Gregg, S. J.** See **Breakspere, R. J.**, 304.  
**Gross, J. M.** See **Blandamer, M. J.**, 147.  
**Groth, P., and Hassel, O.** Crystal and molecular structure of cyclohexane-1,4-dione, 218.  
**Gubler, B.** See **Dobler, M.**, 383.  
**Guthrie, R. D., Murphy, D., Buss, D. H., Hough, L., and Richardson, A. C.** Aziridino-derivatives of carbohydrates, 84.  
**Guttmann, S.** See **Anbar, M.**, 10.

**H**

- Hale, J. D., Izatt, R. M., and Christensen, J. J.** Heat of ionisation of water, 240.  
**Hall, D., and Holland, R. V.** Structure of potassium tetrinitromercurate(II) nitrate, 204.  
**Hall, D.** See also **Cheeseman, T. P.**, 379.

- Halsall, T. G., Jones, E. R. H., and Lowe, G.** Molecular formula of cephalosporin P<sub>1</sub>, 16.  
**Hammond, G. S., and Hardham, W. M.** Mechanisms of photoreactions in solution. Part XV. Photosensitised addition of maleic anhydride to benzene, 63.  
**Hanson, A. W.** Crystal structure of dihydro- $\beta$ -erythro-idine hydrobromide, 52.  
**Hanson, J. R.** See **Cross, B. E.**, 17.  
**Hardham, W. M.** See **Hammond, G. S.**, 63.  
**Hardy, C. J.** See **Field, B. O.**, 11.  
**Hardy, D. G.** See **Bentley, K. W.**, 220.  
**Harley-Mason, J., and Tims, J. C. W.** An aliphatic "diazo-cyanide," 345.  
**Harris, M.** See **Henderson, R.**, 269.  
**Harrison, J. W.** See **Eyre, D. H.**, 271.  
**Hassel, O.** See **Groth, P.**, 218.  
**Hathaway, B. J., and Webster, D. E.** Trimethyltin tetra-fluoroborate: infrared evidence of a covalently bonded tetrafluoroborate anion, 14.  
**Hathaway, B. J.** See **Okawara, R.**, 13.  
**Haynes, L. J., Stuart, K. L., Barton, D. H. R., and Kirby, G. W.** Constitution of crotonosine, 280.  
**Henderson, R., McCrindle, R., Overton, K. H., Harris, M., and Turner, D. W.** Constitution of nimbin, 269.  
**Hesse, R. H.** See **Barton, D. H. R.**, 267.  
**Heyes, J.** See **Brooke, G. M.**, 94, 213.  
**Hickinbottom, W. J.** See **Fuller, A. E.**, 147.  
**Hill, J., Hough, L., and Richardson, A. C.** Replacement of methanesulphonyloxy-groups: the conversion of the D-gluc- into the D-galacto-configuration, 314.  
**Hill, J., Hough, L., and Richardson, A. C.** Replacement of methanesulphonyloxy-groups: the conversion of the D-gluc- into the D-galacto-configuration, 346.  
**Hill, J.** See also **Iriarte, J.**, 114.  
**Hiraga, K.** See **Miki, T.**, 139.  
**Hirst, M.** See **Battersby, A. R.**, 268.  
**Hofmann, J. E.** See **Wallace, T. J.**, 137.  
**Holland, R. V.** See **Hall, D.**, 204.  
**Holloway, J. H.** See **Edwards, A. J.**, 275.  
**Holmes, J. M., Peacock, R. D., and Tatlow, J. C.** Some fluoraromatic derivatives of tin, 108.  
**Homer, R. B., Moodie, R. B., and Rydon, H. N.** Mechanism of the removal of the N-benzoyloxy carbonyl group by the action of hydrogen bromide, 367.  
**Hooton, K. A.** See **Glockling, F.**, 146.  
**Hough, L.** See **Guthrie, R. D.**, 84., and **Hill, J.**, 314, 346.  
**Hughes, G.** See **Dobson, G.**, 109.  
**Hulme, R., and Symons, M. C. R.** Hexamethylbenzene cation, 241.  
**Hunter, T. F.** See **Cottrell, T. L.**, 272.  
**Hutton, E.** See **Stevens, B.**, 62.

**I**

- Iriarte, J., Hill, J., Schaffner, K., and Jeger, O.** Photochemical decarbonylation of a homoallylic conjugated aldehyde, 114.  
**Izatt, R. M.** See **Hale, J. D.**, 240.

**J**

- Jackman, L. M.** See **Badger, G. M.**, 206.  
**Jackson, A. H.** See **Abraham, R. J.**, 134.  
**Jackson, E.** See **Featherstone, W.**, 175.  
**Jackson, J. B.** See **Block, H.**, 381.  
**Jackson, J. M.** See **Brennan, D.**, 375.  
**Jefford, C. W.** Bicyclo[3.2.1]octan-3-one, 64.  
**Jeffrey, G. A.** See **Stephenson, N. C.**, 173.  
**Jeffreys, J. A. D., Sim, G. A., Burnell, R. H., Taylor, W. I., Corbett, R. E., Murray, J., and Sweetman, B. J.** Perloline, 171.  
**Jeger, O.** See **Iriarte, J.**, 114.  
**Jenkins, D. R.** See **Ebsworth, E. A.**, 21.  
**Jenkins, J. M., and Shaw, B. L.** Nuclear magnetic resonance method of determining the stereochemistry of tertiary-phosphine-metal complexes 279

- Johnson, A. W.** See **Dolphin, D. H.**, 311.  
**Jones, D. W.** See **Cookson, R. C.**, 115.  
**Jones, E. R. H.** See **Halsall, T. G.**, 16.  
**Jones, T. P.** See **Baughan, E. C.**, 274.

**K**

- Kane, V. V.** See **Eggers, S. H.**, 248.  
**Keene, J. P.** See **Baxendale, J. H.**, 242.  
**Kenner, G. W.** See **Abraham, R. J.**, 134.  
**Kent, P. W., Robson, F. O., and Welch, V. A.** Formation of isomeric bromohexosyl fluorides from 3,4,6-tri-O-acetyl-D-glucal, 24.  
**Kilbourn, B. T., Powell, H. M., and Darbyshire, J. A. C.** Green form of bis(benzylidiphenylphosphine)dibromo-nickel(II): an interallogen compound, 207.  
**Kirby, G. W.** See **Haynes, L. J.**, 280, and **Barton, D. H. R.**, 203, 267.  
**Kohnstam, G.** See **Featherstone, W.**, 175.  
**Kolker, P. L., and Waters, W. A.** Electron spin resonance spectra of some nitrobenzene radical-anions, 55.  
**Kooymann, E. C., Louw, R., and de Tonkelaar, W. A. M.** Thermolysis of allyl cyanoacetate; catalysis in the vapour phase, 66.  
**Korpar-Čollig, B.** See **Grdenič, D.**, 308.  
**Kovács, O., Schneider, G., and Láng, L. K.** Solvolysis of 2-hydroxymethylcyclohexanol derivatives, 374.  
**Kresge, A. J., and Brennan, J. F.** A large primary hydrogen isotope effect in the mercuration of benzene, 215.

**L**

- Lagowski, J. M., Forrest, H. S., and Wood, H. C. S.** Unambiguous synthesis of a 2-amino-4-hydroxy-6-polyhydroxyalkylpteridine, 343.  
**Lamchen, M., and Mittag, T.** Oxidative dimerisation of 2,3-dihydrohexamethylpyrazine, 302.  
**Landor, P. D.** See **Baker, C. S. L.**, 340.  
**Landor, S. R.** See **Baker, C. S. L.**, 340, and **Black, D. K.**, 183.  
**Láng, L. K.** See **Kovács, O.**, 374.  
**Lappert, M. F., and Majumdar, M. K.** Three co-ordinate boron-nitrogen four-membered ring system, 88.  
**Larkworthy, L. F.** See **Earnshaw, A.**, 281.  
**Laroche, P.** See **Ghosez, L.**, 90.  
**Larsson, K.** Crystal structure of the  $\beta$ -form of triglycerides, 87.  
**Lawrie, W.** See **Battersby, A. R.**, 369.  
**Leach, H. F.** See **Breakspere, R. J.**, 504.  
**Leisten, J. A., and Walton, P. R.** Re-examination of 1,6-di-phenylhexatriene in sulphuric acid, 60.  
**Levchuk, L. E.** See **Bartlett, N.**, 342.  
**Levinson, A. S.** See **Meyer, W. L.**, 15.  
**Lewis, J. R.** Biogenetic type syntheses of the xanthone nucleus, 373.  
**Lewis, J. W., and Lynch, P. P.** Hydrogenolysis of enamines to alkenes, 19.  
**Linnett, J. W.** See **Empedocles, P. B.**, 303.  
**Lloyd, R. A.** See **Bowen, E. J.**, 305.  
**Loudon, J. D., and Smith, D. M.** Abnormal nucleophilic substitution of 3-nitrobenzylidene chlorides, 182.  
**Louw, R.** See **Kooymann, E. C.**, 66.  
**Lowe, B. M.** See **Gold, V.**, 140.  
**Lowe, G.** See **Eggers, S. H.**, 248, and **Halsall, T. G.**, 16.  
**Lown, J. W.** Evidence of electron-exchange between the triphenylmethyl radical cation in solution, 283.  
**Lucken, E. A. C.** See **Gerdil, R.**, 144.  
**Lynch, P. P.** See **Lewis, J. W.**, 19.  
**Lythgoe, B.** See **Eyre, D. H.**, 271.

**M**

- Maassen van der Brink, W.** See **Beyerman, H. C.**, 266.  
**McCaffery, A. J., and Mason, S. F.** Absolute configuration of metal complexes from the optical rotatory power of the ligand transitions, 211.  
**McCaldin, D. J.** See **Battersby, A. R.**, 203.

- McCrindle, R.** See **Henderson, R.**, 269.  
**McDonald, T. R. R., and McDonald, W. S.** Crystal and molecular structure of [Ph-Al-N-Ph]<sub>n</sub>, 382.  
**McDonald, W. S.** See **McDonald, T. R. R.**, 382.  
**McGhie, J. F.** See **Barton, D. H. R.**, 170.  
**Mackor, E. L.** See **de Boer, E.**, 23.  
**McLaughlin, K. A.** See **Buckingham, A. D.**, 144.  
**Maclean, I. R.** See **Doyle, P.**, 239.  
**McPhail, A. T.** See **Asher, J. D. M.**, 210.  
**McQuillen, F. J.** See **Graham, C. L.**, 136.  
**Maher, J. P., and Evans, D. F.** Long-range thallium-proton spin-spin coupling constants, 176.  
**Majumdar, M. K.** See **Lappert, M. F.**, 88.  
**Marlow, W.** See **ApSimon, J. W.**, 313.  
**Mason, R.** See **Bailey, N. A.**, 180, **Bennett, M. J.**, 273, and **Churchill, M. R.**, 112, 365.  
**Mason, S. F., Schofield, K., and Wells, R. J.** Stereochemistry of 1-oxoquinolizidine, 337.  
**Mason, S. F.** See also **McCaffery, A. J.**, 211.  
**Massey, A. G., Park, A. J., and Stone, F. G. A.** Tris(penta-fluorophenyl)boron, 212.  
**Mathew, C. T., and Dutta, P. C.** Stereoselective synthesis of ( $\pm$ )-dehydroleiopropylabietic acid, 135.  
**Maynard, J. A., and Swan, J. M.** 2-Halogenoalkylphosphonic acids: a new class of phosphorylating agents, 61.  
**Mays, M. J.** See **Ebsworth, E. A. V.**, 21.  
**Mazhat-ul-Haque.** See **Rogers, D.**, 92, 371.  
**Meyer, W. L., and Levinson, A. S.** Photolysis of 1,1-dimethyl-trans-decalin-10-carbonyl azide: an analogue of the A/B/E rings of diterpenoid alkaloids, 15.  
**Meyers, M. B.** Direct oxidation of *cis*-4-hydroxycinnamic acid to umbelliferone, 243.  
**Melson, G. A., and Busch, D. H.** Cyclic tetrainerisation of *o*-aminobenzaldehyde in the presence of metal ions, 223.  
**Miki, T., Hiraga, K., and Asako, T.** An improved synthesis of oestrogens, 139.  
**Millar, I. T., and Wilson, K. V.** Dehydration of dimethyl-phenanthrene-9,10-diol: a new route to quinodimethanes, 217.  
**Mills, H. H., and Speakman, J. C. A.** A short hydrogen bond in a basic salt, 216.  
**Mills, O. S.** See **Dodge, R. P.**, 380.  
**Mittag, T.** See **Lamchen, M.**, 302.  
**Moodie, R. B.** See **Homer, R. V.**, 367.  
**Morris, J. H.** See **Greenwood, N. N.**, 338.  
**Morris, M. P.** See **Finnegan, R. A.**, 182.  
**Morton, J. R.** See **Falconer, W. E.**, 95.  
**Moule, D. C.** See **Brand, J. C. D.**, 307.  
**Moyle, M.** See **Craig, J. C.**, 56.  
**Mueller, W. H.** See **Finnegan, R. A.**, 182.  
**Murphy, D.** See **Guthrie, R. D.**, 84.  
**Murray, A. W.** See **Gibson, M. S.**, 345.  
**Murray, J. (the late).** See **Jeffreys, J. A. D.**, 171.  
**Musgrave, W. K. R.** See **Brooke, G. M.**, 94, 213.

**N**

- Nicholson, J. K., and Shaw, B. L.** Hydrogen-transfer catalysed by some Group VII metal complexes, 282.  
**Nicol, M. J., and Rosseinsky, D. R.** Kinetic measurement for fast cation-cation oxidations in solution, 16.  
**Norman, R. O. C.** See **Dixon, W. T.**, 97.  
**Nyholm, R. S., and Vrieze, K.** Complexes containing rhodium-mercury bonds, 138.  
**Nye, M. J.** See **Cookson, R. C.**, 129.

**O**

- O'Brien, R. J.** Crystal structure of trimethyltin fluoride, 85.  
**O'Brien, R. J.** See also **Clark, H. C.**, 113.  
**Okawara, R., Hathaway, B. J., and Webster, D. E.** Trimethyltin salts: infrared evidence for the non-existence of the trimethyltin cation, 13.  
**Ollis, W. D.** See **Dyke, S. F.**, 179.  
**Overend, W. G.** See **Ferrier, R. J.**, 133.

Overton, K. H. See Henderson, R., 269.

Owen, N. L., and Sheppard, N. (Lone-pair)-(lone-pair) repulsion and molecular configurations; rotational isomerism in methyl vinyl ether, carboxylic esters, and nitrates, 264.

## P

Padilla, O. J. See Dobler, M., 383.

Park, A. J. See Massey, A. G., 212.

Parker, W. See Doyle, P., 239.

Parry, G. V. See Battersby, A. R., 369.

Patel, K. S. See Earnshaw, A., 281.

Peace, R. See Crombie, L., 246.

Peacock, R. D. See Edwards, A. J., 275, and Holmes, J. M., 108.

Penfold, B. R. See Robinson, W. T., 116.

Peover, M. E. Study of organic molecular complexes by polarography, 167.

Phipps, P. B. P. See Braterman, P. S., 12.

Pierce, S. B. See Alexakos, L. G., 341.

Pitha, J., Sicher, J., Šipoš, F., Tichý, M., and Vaščková, S. Conformational equilibria in *trans*-2-aminocyclohexanol and *trans*-cyclohexane-1,2-diol, 301.

Pobiner, H. See Wallace, T. J., 137.

Poč, A. J. See Basolo, F., 366.

Poller, R. C. Red compound formed in the colorimetric determination of tin and some related compounds, 312.

Powell, H. M. See Kilbourn, B. T., 207.

## Q

Quail, J. W. See Gillespie, R. J., 278.

Qureshi, I. H. See Greenwood, J. M., 372.

## R

Raab, R. See Crawford, R. J., 370.

Rafferty, G. A. (Mrs.). See Ferrier, R. J., 133.

Ramuz, H. See Battersby, A. R., 203.

Randall, E. W. See Bourne, A. J. R., 200.

Raphael, R. A. See Doyle, P., 239.

Read, A. W. See Cottrell, T. L., 272.

Redman, E. See Everett, D. H., 91.

Reid, S. T. See de Mayo, P., 54.

Reuben, J., Samuel, D., Selig, H., and Shamir, J.  $^{17}\text{O}$ . Nuclear magnetic study of xenic acid, 270.

Richards, R. E., and White, J. W. High-resolution electron-nuclear double-resonance spectra of solutions of a free radical, 201.

Richardson, A. C. Stereospecific synthesis of desosamine hydrochloride, 131.

Richardson, A. C. See also Guthrie, R. D., 84, and Hill, J., 314, 346.

Ridd, J. H. See Banthorpe, D. V., 225.

Robertson, J. M. See Asher, J. D. M., 210.

Robinson, W. T., Ferguson, J. E., and Penfold, B. R. Configuration of the anion in  $\text{CsReCl}_4$ , 116.

Robson, E., and Tedder, J. M. Nitrosoacetylenes, 13.

Robson, E., and Tedder, J. M. An acetylenic diazonium salt, 344.

Robson, F. O. See Kent, P. W., 24.

Rogers, D., and Mazhar-ul-Haque. Structure of bromoisotenulin, 92.

Rogers, D., and Mazhar-ul-Haque. Molecular and crystal structure of caryophyllene chlorohydrin, 371.

Rona, P. See Anbar, M., 244.

Rosseinsky, D. R. See Nicol, M. J., 16.

Rowan, T., and Wood, J. C. S. Biosynthesis of riboflavin, 21.

Rutledge, P. S. See Cross, B. E., 17.

Rydin, H. N. See Homer, R. B., 367.

## S

Sainsbury, M. F. See Dyke, S. F., 179.

Samuel, D. See Reuben, J., 270.

Sargent, F. P. See Ayscough, P. B., 94.

Satchell, D. P. N., and Wardell, J. L. Novel spectra and some sterically uncomplicated basicities for metal halide-nitrogen base equilibria, 86.

Schaeffer, R. See Gaines, D. F., 267.

Schaffner, K. See Iriarte, J., 114.

Schneider, G. See Kovács, O., 374.

Schofield, K. See Mason, S. F., 337.

Schomaker, V. See Dodge, R. P., 380.

Schriesheim, A. See Wallace, T. J., 137.

Scrowston, R. M. See Eyre, F. H., 271.

Seig, H. See Reuben, J., 270.

Shamir, J. See Reuben, J., 270.

Shaw, B. L. See Jenkins, J. M., 279, and Nicholson, J. K., 282.

Shelton, B. See Angyal, S. J., 57.

Sheppard, N. See Owen, N. L., 264.

Sheridan, J. See Stiehvater, O. L., 368.

Sicher, J. See Pitha, J., 301, and Zaváda, J., 96.

Silverton, J. V. See Asher, J. D. M., 210.

Sim, G. A. See Asher, J. D. M., 210, and Jeffreys, J. A. D., 171.

Sim, K. Y. See ApSimon, J. W., 209, 313.

Simpson, P. L. See Graham, C. L., 136.

Šipoš, F. See Pitha, J., 301.

Sklar, R. See Badger, G. M., 206.

Smith, D. M. See Loudon, J. D., 182.

Smyth, J. See Elmore, D. T., 18.

Snaith, R. W. See Acheson, R. M., 344.

Speakman, J. C. See Mills, H. H., 216.

Spotswood, T. M. See Clark-Lewis, J. W., 20.

Stacey, M. See Foster, A. B., 279.

Staunton, J. See Battersby, A. R., 268.

Steglich, W. See Barton, D. H. R., 203.

Stephenson, N. C., and Jeffrey, G. A. Six-co-ordinate complexes of bivalent platinum and nickel, 173.

Stern, E. W. Reaction of olefin-palladium(II) chloride complexes with nucleophiles: mechanistic considerations, 111.

Stevens, B., Walker, M. S., and Hutton, E. Delayed fluorescence in aromatic hydrocarbon vapours, 62.

Stevens, B., and Walker, M. S. Phosphorescence and delayed fluorescence lifetimes of pyrene in liquid paraffin, 181.

Steward, O. W. See Eaborn, C., 59.

Stiehvater, O. L., and Sheridan, J. Microwave spectrum and barrier to internal rotation in acetylene, 368.

Stone, F. G. A. See Massey, A. G., 212, and Wilford, J. B., 218.

Stoodley, L. G. See Baughan, E. C., 274.

Stuart, K. L. See Haynes, L. J., 280.

Sugden, T. M. See Ebworth, E. A., 21.

Suhadolnik, R. J., Fischer, A. G., Zulalian, J. Biogenesis of the Amaryllidaceae alkaloids. Part III. Phenylalanine and protocatechic aldehyde as  $C_6-C_1$  precursors of haemanthamine and lycorine, 132.

Suhadolnik, R. J., and Zulalian, J. Biosynthesis of the Amaryllidaceae alkaloids. Part IV. Incorporation of cinnamic, *p*-coumaric, and caffeic acids into haemanthamine and lycorine, 216.

Sutherland, J. K. See Greenwood, J. M., 372.

Swan, J. M. See Maynard, J. A., 61.

Sweetman, B. J. See Jeffreys, J. A. D., 171.

Symons, M. C. R. See Atkins, P. W., 222, Blandamer, M. J., 147, and Hulme, R., 241.

## T

Tardella, P. A. See Di Maio, G., 224.

Tatlow, J. C. See Holmes, J. M., 108.

Taylor, W. I. See Jeffreys, J. A. D., 171.

Tedder, J. M. Nitrosoacetylenes, 13.

Tedder, J. M. See also Robson, E., 344.

Thomas, G. M. See Barton, D. H. R., 203.

Thomson, R. H., and Wylie, A. G. Persulphate oxidation of carboxylic acids: a new rearrangement, 65.

Thynne, J. C. J. Reactions of methyl radicals with primary amines, 145.

Tichý, M. See Pitha, J., 301.

Tims, J. C. W. See Harley-Mason, J., 345.

Tittle, B. See Cady, G. H., 65.

Tréichel, P. M. See Wilford, J. B., 218.

Trevalion, P. A. See Atkins, P. W., 222.  
 Trippett, S. Thermal decomposition of alkyltriphenylphosphonium alkoxides, 19.  
 Trotter, J. Crystal structure of trimethyltin fluoride, 85.  
 Tsutsui, M., and Levy, M. N. Elemental organic compounds. Part VII. A bridged bisbenzenecromium  $\pi$ -complex, 117.  
 Tuck, D. G., and Woodhouse, E. J. Tetramethyl- and tetraethyl-ammonium hydrogen dibromide, 53.  
 Tucker, B. G., and Whittle, E. Trifluoroacetyl radical, 93.  
 Turner, D. W. See Henderson, R., 269.  
 Tyrrell, J. See Brand, J. C. D., 307.

**U**

Usher, D. A. See Brown, D. M., 309.

**V**

Vašičková, S. See Piňha, J., 301.  
 von Mutzenbecher, G. See Djerassi, C., 377.  
 Vrieze, K. See Nyholm, R. S., 138.

**W**

Wakefield, B. J. See Bryce-Smith, D., 219, 376.  
 Walker, M. S. See Stevens, B., 62, 181.  
 Wall, H. M. See Ferrier, R. J., 133.  
 Wallace, T. J., Pobiner, H., Hofmann, J. E., and Schriesheim, A. Reactions of sulphur carbanions, 137.  
 Wallis, S. R. See Cookson, R. C., 58.  
 Walton, P. R. See Leisten, J. A., 60.  
 Wanders, A. C. M., and Cerfontain, H. Isomerisation of toluenesulphonic acids in aqueous sulphuric acid, 174.  
 Ward, E. R. Hazards in the treatment of carbon halides with sodium, 15.  
 Wardell, J. L. See Satchell, D. P. N., 86.  
 Warren, S. G. See Clark, V. M., 178.  
 Waters, T. N. See Cheeseman, T. P., 379.  
 Waters, W. A. See Kolker, P. L., 55.

Webber, J. M. See Foster, A. B., 279.  
 Weber, H. P. See Dobler, M., 383.  
 Webster, B. R. See Battersby, A. R., 369.  
 Webster, D. E. See Hathaway, B. J., 14, and Okawara, R., 13.  
 Weeden, D. G. See Graddon, D. P., 247.  
 Weiss, U. See Batterham, T. J., 89.  
 Welch, V. A. See Kent, P. W., 24.  
 Wells, R. J. See Mason, S. F., 337.  
 Wenkert, E. See Badger, G. M., 206.  
 Wenzinger, G. R., and Boekelheide, V. Absolute configurations of the  $\alpha$ - and  $\beta$ -erythroidines, 53.  
 Westwood, J. H. See Foster, A. B., 279.  
 Whalley, W. B. See ApSimon, J. W., 209, 313.  
 White, J. W. See Richards, R. E., 201.  
 Whitehurst, J. S. See Crispin, D. J., 22.  
 Whiting, M. C. See Carr, M. D., 333.  
 Whittle, E. See Tucker, B. G., 93.  
 Wildman, W. See Archer, D. A., 168.  
 Wilford, J. B., Treichel, P. M., and Stone, F. G. A. Addition of organomanganese pentacarbonyls to fluoro-olefins, 218.  
 Williams, L. R. See Clark-Lewis, J. W., 20.  
 Williams, N. R. See Ferrier, R. J., 133.  
 Williams, R. E. See Büchi, G., 214.  
 Williams, R. J. P. See Braterman, P. S., 12.  
 Wilson, K. V. See Millar, I. T., 217.  
 Winstein, S. See Glass, D. S., 276.  
 Wood, H. C. S. See Lagowski, J. M., 343, and Rowan, T., 21.  
 Woodhouse, E. J. See Tuck, D. G., 53.  
 Wylie, A. G. See Thomson, R. H., 65.  
 Wynne-Jones, W. F. K. See Beck, W. H., 110.

**Y**

Yip, R. W. See de Mayo, P., 54.

**Z**

Závada, J., and Sicher, J. Preferred formation of the *cis*-olefin in bimolecular elimination, 96.  
 Zirner, J. See Glass, D. S., 276.  
 Zulalian, J. See Suhadolnik, R. J., 132, 216.