

INDEX OF AUTHORS, 1974

A

- Abbott**, Patrick J., **Acheson**, R. Morrin, **Flowerday**, Rowena F., and **Brown**, Geoffrey W. An ester migration in the rearrangement of a Diels–Alder adduct of a furan and a phenyl migration in the rearrangement of methyl 3,3,5-triphenylpyrazole-4-carboxylate, 1177.
- Aberhart**, D. John, and **Lin**, Lawrence J. Studies on the biosynthesis of β -lactam antibiotics. Part I. Stereospecific synthesis of (2*RS*,3*S*)-[4,4,4-²H₃]-, (2*RS*,3*S*)-[4-³H]-, (2*RS*,3*R*)-[4-³H]-, and (2*RS*,3*S*)-[4-¹³C]-valine. Incorporation of (2*RS*,3*S*)-[4-¹³C]-valine into penicillin V, 2320.
- Aberhart**, John, **Jain**, Rup C., **Fehr**, Theo, **de Mayo**, Paul, and **Szilagyi**, Imre. The constitution of primycin. Part I. Characterisation, functional groups, and degradation to the secoprimums, 816.
- Abramovitch**, Rudolph A., **Knaus**, Gerald N., and **Holcomb**, William D. Reaction of sulphonyl azides with unstrained olefins, 2169.
- Abramovitch**, Rudolph A., **Smith**, Elizabeth M., **Humber**, Manda, **Purtschert**, Bea, **Srinivasan**, Panayensheri C., and **Singer**, George M. 1,2-Benzisothiazole 1,1-dioxides. Synthesis of 3-alkyl-(or aryl)-1,2-benzisothiazole 1,1-dioxides and related compounds, 2589.
- Acheson**, R. Morrin, and **Flowerday**, Rowena F. Aromatisation of some cyclohexadienes through methoxycarbonyl migration or alkyl elimination, 2339.
- Acheson**, R. Morrin, **Paglietti**, Giuseppe, and **Tasker**, Peter A. Addition reactions of heterocyclic compounds. Part LVI. Formation of 1,2-dihydroazocines from 1,2-dihydropyridines with dimethyl acetylenedicarboxylate, 2496.
- Acheson**, R. Morrin, and **Selby**, Ian A. Addition reactions of heterocyclic compounds. Part LIV. Rotational isomerism of 6-alkyl-5-oxidovinylphenanthridiniums: an investigation by variable temperature nuclear magnetic resonance spectroscopy, 423.
- Acheson**, R. Morrin, and **Verlander**, Michael S. Addition reactions of heterocyclic compounds. Part LV. Further reactions of substituted benzimidazoles with dimethyl acetylenedicarboxylate, 430.
- Acheson**, R. Morrin. See also **Abbott**, Patrick J., 1177.
- Adams**, David R., and **Davies**, David I. Free-radical reactions of halogenated bridged polycyclic compounds. Part XVI. Addition of methanethiol and 1,1-dimethylethanethiol to 5-substituted 1,2,3,4,7,7-hexachloronorbornadienes, 246.
- Further reactions of nucleophiles with some chlorine-substituted norbornadienes, 2012.
- Adams**, John V. See **Uff**, Barrie C., 566.
- Adembri**, Giorgio, **Chimichi**, Stefano, **De Sio**, Francesco, **Nesi**, Rodolfo, and **Scotton**, Mirella. Polyazaheterocyclic compounds: condensation reactions of pyridazine-4,5-dicarboxylic acid derivatives with *o*-phenylenediamine, 1022.
- Advani**, Bhagwan G. See **Rajappa**, Srinivasachari, 2122.
- Ager**, Ernest. See **Iddon**, Brian, 2300.
- Ager**, Ian R. See **Boyce**, Clive B. C., 1644.
- Agranat**, Israel, and **Avnir**, David. Fulvenes and thermochromic ethylenes. Part LXXXIII. 'Double dibenzotropones' within C₆-C₇-C₆-C₇-C₆ ring systems. Synthesis of bisbenzo[4,5]cyclohepta[1,2-*a*:2',1'-*d*]benzene-5,7-dione and in bisbenzo[4,5]cyclohepta[1.2-*a*:1',2'-*d*]benzene-5,13-dione, 1155.
- Ahmed**, Mahtabuddin, **Barley**, George C., **Hearn**, Milton T. W., **Jones**, Sir Ewart R. H., **Thaller**, Viktor, and **Yates**, Judith A. Natural acetylenes. Part XLIII. Polyacetylenes from cultures of the fungus *Fistulina pallida* (Berk. and Rev.), 1981.
- Airoldi**, Giuseppe. See **Yempesti**, Ezio, 771.
- Aki**, Osami. See **Ochiai**, Llichiluko, 258.
- Alazawe**, Subhi, and **Elvidge**, John A. Heterocyclic imines and amines. Part XVII. Confirmation of the structures of two aminopyridazinones, 696.
- Albert**, Adrien. *v*-Triazolo[4,5-*d*]pyrimidines (8-azapurines). Part XV. Degradation by acid of ring *N*-alkylated derivatives of 6-amino-(and 1,6-dihydro-6-imino-)8-azapurines to *N*-alkylated 4-amino-1,2,3-triazole-5-carboxamidines, 2030.
- Aldridge**, David C., **Davies**, Alan B., **Jackson**, Malcolm R., and **Turner**, W. Brian. Pentaketide metabolites of the fungus *Phialophora lagerbergii*, 1540.
- Alexander**, Jose, **Lowe**, Gordon, **McCullum**, Neil K., and **Ruffles**, Graham K. A new synthetic route to 3,4-dihydro-2*H*-1,4-thiazines, 2092.
- Al-Hassan**, Jassim, **Davies**, John S., and **Hassall**, Cedric H. Amino-acids and peptides. Part XV. Syntheses of four tetrapeptides containing tyrosine and glycine residues, 2342.
- Ali**, S. Mahmood, and **Turner**, Alan B. Steroidal 1-methyl-3,4-naphthoquinones, 2225.
- Allan**, Robin D., **Barton**, Derek H. R., **Girijavallabhan**, Moopil, and **Sammes**, Peter G. Transformations of penicillins. Part VI. Preparation and reactions of thio-sulphonate *S*-esters derived from penicillin *S*-oxides, 1456.
- Almog**, Joseph, **Barton**, Derek H. R., **Magnus**, Philip D., and **Norris**, Robert K. The chemistry of trisulphenamides [N(SR)₃]. Part III. Ionic and radical reactions of trisulphenamide [N(SPh)₃], 853.
- Amupitan**, Joseph O., and **Stansfield**, Frank. Preparation and ring fission of some benzocyclobuten-1(2*H*)-one derivatives, 1949.
- Anand**, Surendra Mohan. See **Jain**, Amolak Chand, 329.
- Anderson**, Richard K., and **Cheeseman**, Gordon W. H. Quinoxalines and related compounds. Part IX. Preparation of 2-aryloxyquinoxalines and their cyclisation to benzofuro[2,3-*b*]quinoxalines, 129.
- Aneja**, Rajindra, and **Davies**, Alan P. Nucleophilic substitution in glycerol derivatives. Part VI. Halogeno-deoxygenation of 2-phenyl-1,3-dioxan-5-ol to give 1,3-dioxans and 1,3-dioxolans, 141.

- Anhoury**, Marie-Louise, **Arickx**, Marcel, **Crooy**, Pierre, **De Neys**, Robert, and **Eliaers**, Jacques. 2-Amino-alcohols from α -amino-acids: a single-step mild procedure, 191.
- Anhoury**, Marie Louise, **Crooy**, Pierre, **De Neys**, Robert, and **Eliaers**, Jacques. A simple and mild method for reducing cyanohydrins to amino-alcohols, 1015.
- Antonakis**, Kostas. See **Herscovici**, Jean, 979.
- Antus**, Sándor. See **Farkas**, Loránd, 305.
- Araújo**, Hugo C., **Ferreira**, Geraldo A. L., and **Mahajan**, Jaswant R. Oxidative deoxygenation, 2257.
- Arickx**, Marcel. See **Anhoury**, Marie-Louise, 191.
- Ariyan**, Z. S., **Courduvelis**, C. I., **O'Brien**, J. T., and **Spall**, W. D. 10-(1,3-Dithiolan-2-ylidene)-10*H*-indeno[1,2-*f*]-pentathiepin, a product from 2-(inden-1-ylidene)-1,3-dithiolan and disulphur dichloride, 447.
- Armarego**, Wilfred L. F., and **Milloy**, Beverly A. Enhancement of the optical rotation of α -amino-acids by formation of carbamate (*N*-carboxy-) salts, 1905.
- Armarego**, Wilfred L. F., and **Reece**, Phillip A. Quinazolines. Part XX. Synthesis and stereochemistry of *N*-methyl-*cis*-perhydroquinazolin-2-ones and *N*-methyl-*cis*-perhydroquinazolines; a new conformation for *cis*-perhydroquinazolines, 2313.
- Armstrong**, Stuart E., and **Tipping**, Anthony E. Unsaturated nitrogen compounds containing fluorine. Part III. Reactions of hexafluoroacetone azine with alkanes, cycloalkanes, and trimethylsilane, 2716.
- Arnold**, Barry J., **Mellows**, Susan M., **Sammes**, Peter G., and **Wallace**, Timothy W. Photochemical reactions. Part II. Cycloaddition reactions with photoenols from 2-methylbenzaldehyde and related systems, 401.
- Arnold**, Barry J., **Sammes**, Peter G., and **Wallace**, Timothy W. Photochemical reactions. Part III. Thermal generation of photoenols and their derivatives from substituted 1,2-dihydrobenzocyclobutenes. Part IV. Thermal generation of photoenols and their derivatives from disubstituted 1,2-dihydrobenzocyclobutenes, 409, 415.
- Asahi**, Yutaka. See **Ochiai**, Michihiko, 258.
- Ashby**, John, **Ayad**, Mehdi, and **Meth-Cohn**, Otto. The direct Bradsher reaction. Part III. A new method for the benzologation of heterocycles, 1744.
- Ashton**, Michael J., **Bailey**, A. Sydney, and **Jones**, Sir Ewart R. H. Microbiological hydroxylation. Part XII. Comparative behaviour of *p*-homogonane (perhydrochrysene) ketones and steroids. Part XIII. Cyclododecanone and cyclopentadecanone as substrates for steroid-hydroxylating fungi, 1658, 1665.
- Atkinson**, Robert S., and **Green**, Richard H. 1,5-Hydride shifts in acyclic systems containing $\alpha\beta$ -unsaturated ketones and *p*-methoxyphenyl groups, 394.
- Atkinson**, Robert S., and **Harger**, Martin J. P. Thermal decomposition of 9-(substituted phenylimino)-1,4-dihydro-1,2,3,4-tetraphenyl-1,4-methanonaphthalenes, 2619.
- Atsumi**, Kufoo. See **Ōmura**, Satoshi, 1627.
- Audhya**, Tapan K., and **Russell**, Douglas W. Natural enantiatin A, a mixture of optical isomers containing both *erythro*- and *threo*-*N*-methyl-L-isoleucine residues, 743.
- Auret**, Barbara J., **Bacon**, Reginald G. R., **Bankhead**, Robert, **Bigg**, Dennis C. H., and **Ramsey**, John S. Cyclisations with hydrazine and its derivatives. Part IV. 9-Arylazophenanthrenes and related reduction products from reactions of biphenyl-2,2'-dicarbaldehyde with arylhydrazines, 2153.
- Aversa**, Maria C., **Cum**, Giampietro, **Giannetto**, Placido D., **Romeo**, Giovanni, and **Uccella**, Nicola. 1,2-Oxazolidines. Part V. Spiro and condensed biheterocyclic isomers from nitrones and 1,3-oxazolidin-2-ones, 209.
- Avnir**, David. See **Agranat**, Israel, 1155.
- Ayad**, Mehdi. See **Ashby**, John, 1744.
- Ayengar**, K. N. Narayan. See **Tewari**, Naresh C., 146.
- Azechi**, Kenji. See **Nishiwaki**, Tarozaeomon, 1867.

B

- Bachi**, Mario D., and **Goldberg**, Ora. Studies related to penicillins and cephalosporins. Part III. Oxidative rearrangement of a 4-mercaptoazetid-2-one to a Δ^4 -isothiazolin-3-one, 1184.
- Bacon**, Reginald G. R., and **Bigg**, Dennis C. H. Cyclisation with hydrazine and its derivatives. Part V. Condensation products of arylhydrazines with biphenyl-2,2'-dicarbaldehyde and related carbonyl compounds, 2156.
- Bacon**, Reginald G. R., and **Hamilton**, S. Dennis. Metal ions and complexes in organic reactions. Part XVII. Iron(II)-promoted conversions of nuclear-substituted anilino-pyridines into pyridoquinoxalines. Part XVIII. Structural variations in the production of polycyclic heterocyclic systems by iron(II)-promoted cyclisations of nitro-substituted precursors. Part XIX. Response of some *N*-substituted *o*-nitrodiphenylamines to cyclisation procedures, 1965, 1970, 1975.
- Bacon**, Reginald G. R. See also **Auret**, Barbara J., 2153.
- Baczynskij**, Jubomir. See **Fehr**, Theo, 836, and **Gracey**, D. E. Fergus, 827.
- Badger**, Rodney J., **Brown**, Desmond J., and **Lister**, John H. Purine studies. Part X. Further synthetic approaches to purines for the amplification of phleomycin activity against *E. coli*, 152.
- Bailey**, A. Sydney, **Barnes**, Colin J., and **Wilkinson**, Patricia A. Reactions of 2-acyl-1,3-dimethylindole oximes and of 2-acylamino-1,3-dimethylindole with arenesulphonyl, 1321.
- Bailey**, A. Sydney, **Hill**, Peter A., and **Seager**, John F. Reactions of 1,3,4,5-tetrahydro-5-methylthiopyrano[4,3-*b*]indole, of 1,2,6,7,8,9-hexahydro-pyrrolo[3,2,1-*jk*]carbazole, and of 1,2,7,8,9,10-hexahydro-6*H*-cyclohepta[*b*]pyrrolo-[3,2,1-*hi*]indole with arenesulphonyl azides, 967.
- Bailey**, A. Sydney, and **Seager**, John F. Reactions of toluene-*p*-sulphonyl azide with derivatives of cyclohept- and cyclo-oct-indole, 763.
- Bailey**, A. Sydney, **Seager**, John F., and **Rashid**, Zafar. Reactions of some sulphur-containing indoles with arenesulphonyl azides, 2384.
- Bailey**, A. Sydney. See also **Ashton**, Michael J., 1658, 1665.
- Baines**, David, **Forrester**, James, and **Parker**, William. Acid-catalysed cyclisation of humulene, 1598.
- Bajorek**, Jan J. S., **Battaglia**, Reto, **Pratt**, Graham, and **Sutherland**, James K. A modified Prins reaction applicable to conjugated dienes, 1243.
- Baldas**, John, **Birch**, Arthur J., and **Russell**, Richard A. Studies in relation to biosynthesis. Part XLVI. Incorporation of *cyclo*-L-tryptophyl-L-proline into brevianamide A, 50.
- Baldock**, Roger W., **Hudson**, Paul, **Katritzky**, Alan R., and **Soti**, Ferenc. Stable free radicals. Part I. A new principle governing the stability of organic free radicals, 1422.
- Bale**, Nicholas M. See **Robins**, David J., 2082.

- Balsamo, Aldo, Barili, Pier Luigi, Crotti, Paolo, Ferretti, Maria, Macchia, Bruno, and Macchia, Franco.** Synthesis and proton nuclear magnetic resonance spectra of diastereoisomeric ethyl 3-hydroxy-2-methyl-3-(*p*-substituted phenyl)butyrates, 2548.
- Bancroft, Keith C. C., Ward, Terence J., and Brown, Kevan.** Application of the Bischler reaction to the preparations of some pyrrolopyridines and the novel dipyrrolopyridine system, 1852.
- Banda, F. Mpandasoni, and Brettle, Roger.** Anodic oxidation. Part XII. Synthesis of 5-methoxy-5-phenylpentan-4-olide, 1907.
- Bandaranayake, Wikramasinghe M., Begley, Michael J., Brown, Brian O., Clarke, David G., Crombie, Leslie, and Whiting, Donald A.** Syntheses of acridone and carbazole alkaloids involving pyridine-catalysed chromen formation: crystal and molecular structure of dibromocannibicyclol and its bearing on the structures of the 'cyclo' alkaloids, 998.
- Bankhead, Robert.** See **Auret, Barbara J.**, 2153.
- Banks, Ronald E., Barlow, Michael G., Haszeldine, Robert N., and Morton, William D.** Perfluoroalkyl derivatives of sulphur. Part XVII. Some reactions of perfluorovinylsulphur pentafluoride, and a re-examination of the thermal reaction between perfluoropropene and buta-1,3-diene, 1266.
- Banks, Ronald E., Eapen, Kalathil C., Haszeldine, Robert N., Holt, Anthony V., Myerscough, Thomas, and Smith, Sydney.** Nitroxide chemistry. Part VII. Synthesis and some reactions of perfluoro-2,5-diazahexane 2,5-dioxyl, 2532.
- Banks, Ronald E., Edge, David J., Freear, John, and Haszeldine, Robert N.** Nitroxide chemistry. Part VI. *N*-Trifluoromethylsulphamate *N*-oxyl, 721.
- Banks, Ronald E., Haszeldine, Robert N., Legge, K. H., and Rickett, F. E.** Heterocyclic polyfluoro-compounds. Part XXI. Synthesis of some 2-substituted tetrafluoropyridines: 2,3,4,5-tetrafluoro-6-methoxypyridine and 3,4,5,6-tetrafluoropyridine-2-carbaldehyde, -2-carboxylic acid, 2367.
- Banks, Ronald E., and Prakash, Ajai.** Studies in azide chemistry. Part VI. Some reactions of perfluoroazidobenzene and perfluoro-4-azidotoluene. Part VII. Synthesis and reactions of perfluoro-(2-azido-4-isopropylpyridine) and 2-azido-3,5,6-trifluoro-4-methoxypyridine, 1365, 2479.
- Bannister, Brian.** Modifications of lincomycin involving the carbohydrate portion. Part IV. (7*S*)-7-Alkoxy-7-deoxy-analogues, 360.
- Banthorpe, Derek V., Boullier, Paul A., and Fordham, William D.** Reactions of terpenoids in strong acids. Part I. Novel rearrangements of geraniol and nerol to form 3β,6α,6α-trimethyl-*cis*-perhydrocyclopenta[*b*]furan, 1637.
- Bard, Martin.** See **Barton, Derek H. R.**, 1326.
- Barili, Pier L., Bellucci, Giuseppe, Berti, Giancarlo, Macchia, Bruno, and Macchia, Franco.** Solvent dependence of the reaction of 1,2-epoxy-1-(*p*-nitrophenyl)cyclohexane with boron trifluoride-diethyl ether complex, 477.
- Barili, Pier Luigi.** See **Balsamo, Aldo**, 2548.
- Barley, George C.** See **Ahmed, Mahtabuddin**, 1981.
- Barlow, Michael G., Haszeldine, Robert N., and Kershaw, Melvyn J.** Valence-bond isomer chemistry. Part VI. Photochemical interconversion of perfluoro-1,3,5- and -1,2,4-trimethylbenzenes *via para*-bonded benzene and prismane isomers, 1736.
- Barlow, Michael G.** See also **Banks, Ronald E.**, 1266.
- Barnes, Colin J.** See **Bailey, A. Sydney**, 1321.
- Barnish, Ian T., Callaghan, Patrick D., and Gibson, Martin S.** Substituent effects in synthesis of 4*H*-1,3,4-benzothiadiazines from hydrazonyl halides and thioacetate ion, 215.
- Barry, Edward.** See **O'Donovan, Daniel G.**, 2528.
- Bartlett, Lynne, Kirk, David N., and Scopes, P. Molly.** Optical rotatory dispersion and circular dichroism. Part LXXXVI. Acetates and acetamides, 2219.
- Barton, Derek H. R., Bracho, Ruben D., Potter, Christopher J., and Widdowson, David A.** Phenol oxidation and biosynthesis. Part XXIV. Origin of chirality in the erythrinan system and derivation of the lactone rings of α- and β-erythroidine, 2278.
- Barton, Derek H. R., Bubbs, William A., Hesse, Robert H., and Pechet, Maurice M.** Synthesis of 5-fluoropyrimidines, 2095.
- Barton, Derek H. R., Coates, Ian H., Sammes, Peter G., and Cooper, Caroline M.** Transformations of penicillins. Part VII. Vinylic sulphoxides from penicillins and their reactions, 1459.
- Barton, Derek H. R., Corrie, John E. T., Widdowson, David A., Bard, Martin, and Woods, Robin A.** Biosynthesis of terpenes and steroids. Part IX. The sterols of some mutant yeasts and their relationship to the biosynthesis of ergosterol, 1326.
- Barton, Derek H. R., Guziec, Frank S. jun., and Shahak, Israel.** Olefin synthesis by two-fold extrusion processes. Part II. Synthesis of some very hindered olefins, 1794.
- Barton, Derek H. R., Harris, Ronald L., Hesse, Robert H., Pechet, Maurice M., and Urban, Frank J.** *NN'*-Dialkoxy-*NN'*-bis(trifluoromethyl)hydrazines, novel products from the reaction of alkoxy radicals with trifluoronitrosomethane, 2344.
- Barton, Derek H. R., Hesse, Robert H., Jackman, Graham P., Ogunkoya, Layi, and Pechet, Maurice M.** Organic reactions of fluoroxy-compounds. Stereochemistry of addition of fluoroxytrifluoromethane to stilbenes, 739.
- Barton, Derek H. R., Hesse, Robert H., Pechet, Maurice M., and Toh, Hee T.** Specific synthesis of *N*-fluoro-compounds using perfluorofluoroxy-reagents, 732.
- Barton, Derek H. R., Magnus, Philip D., Garbarino, Juan A., and Young, Robert N.** Conversion of alcohols into amides by chlorodiphenylmethylmethyl hexachloroantimonate in nitrile solvents; some further reactions of the triphenylmethyl cation, 2101.
- Barton, Derek H. R., Potter, Christopher J., and Widdowson, David A.** Phenol oxidation and biosynthesis. Part XXIII. On the benzyltetrahydroisoquinoline origins of the *Erythrina* alkaloids, 346.
- Barton, Derek H. R., and Prabhakar, Sundaresan.** Studies in the nature of the α,ω-rearrangement, 781.
- Barton, Derek H. R., and Robson, Michael J.** Preparation and properties of *p*-dimethylamino-*N*-thiosulphinylaniline, 1245.
- Barton, Derek H. R.** See also **Allan, Robin D.**, 1456, and **Almog, Joseph**, 853.
- Bateson, John H., and Cross, Brian E.** The microbiological production of analogues of mould metabolites. Part I. Production of fluorogibberelic acid and fluorogibberellin A₃ by *Gibberella fujikuro*, 1131.
- Battaglia, Reto.** See **Bajorek, Jan J. S.**, 1243.

- Battersby, Alan R., Beck, John F., and McDonald, Edward.** Biosynthesis of porphyrins and related macrocycles. Part IV. Syntheses of isomeric aminomethylpyrromethanes for biosynthetic study, 160.
- Battersby, Alan R., Böhler, Peter, Munro, Murray H. G., and Ramage, Robert.** Biosynthesis. Part XX. Biosynthesis of *c*-homoaporphines in *Kreysigia multiflora*, 1399.
- Battersby, Alan R., Bradbury, Robert B., Herbert, Richard B., Munro, Murray H. G., and Ramage, Robert.** 1-Phenethylisoquinoline alkaloids. Part IV. Isolation, structural elucidation, and synthesis of *c*-homoaporphines, 1394.
- Battistini, Carlo.** See **Lardicci, Luciano**, 344.
- Baxter, Ian, Sanders, Jeremy K. M., and Evans, Geoffrey E.** Dimerisation of 2-alkyl-1,4-naphthoquinones in the presence of *t*-butylamine, 2574.
- Beck, John F.** See **Battersby, Alan R.**, 160.
- Bedford, Geoffrey R.** See **Jacques, David**, 2663.
- Begley, Michael J., Crombie, Leslie, Simmonds, Derek J., and Whiting, Donald A.** X-Ray analysis of synthetic (4*S*)-2-(prop-2-enyl)rethron-4-yl (1*R*,3*R*)-chrysanthemate 6-bromo-2,4-dinitrophenylhydrazone, and chiroptical correlation with the six natural pyrethrin esters, 1230.
- Begley, Michael J.** See also **Bandaranayake, Wikramasinghe M.**, 998.
- Begley, William J., Grimshaw, James, and Trocha-Grimshaw, Jadwiga.** Pyrazolo[1,5-*f*]phenanthridine and derivatives: electrochemical and photochemical synthesis, 2633.
- Behzadi, Afarin, and Owen, Leonard N.** Cytotoxic compounds. Part XIX. Allylic rearrangements in the reactions of 3-(phenylthio)prop-2-enyl chloride, 3-(*p*-nitrophenylthio)prop-2-enyl methanesulphonate, and 3-(*p*-nitrophenylthio)prop-2-enyl chloride with nucleophiles. Part XX. Reactions of the methanesulphonates of 2-aryl-2-(arylythio)ethanols and of 1-aryl-2-(arylythio)ethanols with nucleophiles, 25, 2287.
- Bell, Alan M., Chambers, Virginia E. M., Jones, Sir Ewart R. H., Meakins, G. Denis, Müller, Wilhelm E., and Pragnell, John.** Microbiological hydroxylation of steroids. Part XI. Convenient routes to 3,7-, 3,11-, 3,12-, 7,11-, 7,17-, and 11,17-dioxygenated 5 α -androstanes and to 5 α -androstan-11-one, 312.
- Bell, Frederick A., Beresford, Phillip, Kricka, Larry J., and Ledwith, Anthony.** Cation radicals. Reactions of cation radicals from substrates containing a *p*-dimethylamino-phenyl group, 1788.
- Bell, John R., and Jones, John H.** The position of the dinitrophenyl group in *im*-dinitrophenylhistidine derivatives, 2336.
- Bell, John R., Jones, John H., Regester, David M., and Webb, Terence C.** Sequential polypeptides. Part VIII. Synthesis of sequential polypeptides containing arginine, 1961.
- Bellamy, Anthony J., Crilly, William, Farthing, Jennifer, and Kellie, George M.** Pericyclic reactions of the enolate ions of 2,6,6-trimethylcyclohepta-2,4-dienone and 1,4,4-trimethylbicyclo[5.1.0]oct-5-en-2-one, 2417.
- Bellucci, Giuseppe.** See **Barili, Pier L.**, 477.
- Benati, Luisa, Montevecchi, Pier Carlo, Tundo, Antonio, and Zanardi, Giuseppe.** Intramolecular free-radical substitution at the sulphur atom in sulphides, 1272.
- Reactions of 1,2,3-benzothiadiazole with phenyl and with methyl radicals, 1276.
- Bentley, Kenneth W., Selby, Ian A., and Young, Cyril A.** Flavothebaone. Part VIII. Hofmann degradation of flavothebaone trimethyl ether ψ -methine methiodide, 682.
- Bentley, Roger K., Higham, Cathryn A., Jenkins, John K., Jones, Sir Ewart R. H., and Thaller, Viktor.** Natural acetylenes. Part XLIV. C₁₄ Polyacetylenes from *Trachelium caeruleum* L. (Campanulaceae), 1987.
- Beresford, Phillip, Iles, David H., Kricka, Larry J., and Ledwith, Anthony.** Cation radicals: oxidative coupling of carbazoles, 10,11-dihydro-5*H*-dibenz[*b,f*]azepines, and related derivatives by 2,3-dichloro-5,6-dicyano-*p*-benzoquinone and tris-(*p*-bromophenyl)ammoniumyl salts, 276.
- Beresford, Phillip.** See also **Bell, Frederick A.**, 1788.
- Bergmann, F.** See **Rahat, Miriam**, 2229.
- Bergmann, Felix, Rahat, Miriam, and Tamir, Ilana.** Reactivity of 6-methylthiopurin-8-ones. Properties of 6-methylsulphonylpurin-8-ones, 470.
- Bersohn, Malcolm.** See **Esack, Ashmeed**, 2463.
- Berti, Giancarlo.** See **Barili, Pier L.**, 477.
- Bianchi, Giorgio, De Micheli, C., Gamba, A., and Gandolfi, Remo.** *syn-anti*-Isomerism in the cycloaddition of nitrile oxides to *cis*-3,4-dichlorocyclobutene, 137.
- Bianchi, Giorgio, Gamba-Invernizzi, Anna, and Gandolfi, Remo.** Isoxazoline derivatives. Part VII. Behaviour of 5-acyl- Δ^2 -isoxazolines with bases. Ring-chain tautomerism of 5-hydroxy- Δ^2 -pyrrolin-4-ones, 1757.
- Bien, Shlomo, and Ovod, David.** Reactions with α -diazo-ketones. Part II. Intramolecular cyclisation of bisdiazoketones, 333.
- Bigg, Dennis C. H.** See **Auret, Barbara J.**, 2153, and **Bacon, Reginald G. R.**, 2156.
- Birch, Anthony J., Jackson, Anthony H., and Shannon, Patrick V. R.** A new modification of the Pomeranz-Fritsch isoquinoline synthesis, 2185.
- Synthesis of the alkaloids escholamine and takatonine *via* a modified Pomeranz-Fritsch reaction, 2190.
- Birch, Arthur J., and Nadamuni, Gollagunta.** Reduction by dissolving metals. Part XX. Some biphenyl derivatives, 545.
- Birch, Arthur J.** See also **Baldas, John**, 50.
- Birchall, J. Michael, Evans, Leonard R., and Haszeldine, Robert N.** Polyfluoroarenes. Part XIX. Pentafluorophenylation of biphenyl and 2,3,4,5,6-pentafluorobiphenyl, 1715.
- Birchall, J. Michael, Gilmore, G. Neil, and Haszeldine, Robert N.** Carbene chemistry. Part V. A route to dichlorocarbene in the vapour phase, 2530.
- Birchall, J. Michael, Haszeldine, Robert N., and Wilkinson, Malcolm.** Polyfluoroarenes. Part XX. Some homolytic arylations with pentafluorophenylhydrazine, 1740.
- Bishop, Roger.** Transannular addition to 1,5-dimethylene-cyclo-octane, 2364.
- Bladon, Peter, and Rae, Duncan R.** Reactions of steroidal ketones with diazocyclopropane, 2240.
- Bladon, Peter, Rae, Duncan R., and Tait, Alexander D.** Preparation and decomposition of some steroidal 4 β ,5'-dihydro[17 α ,16-*c*]pyrazoles, 1468.
- Blair, Ian.** See **Yates, Frank S.**, 1565.
- Blenkinsop, John.** See **Jones, D. Neville**, 937.
- Blight, Margaret M., and Grove, John Frederick.** New metabolic products of *Fusarium culmorum*: toxic trichothec-9-en-8-ones and 2-acetylquinazolin-4(3*H*)-one, 1691.
- Bloodworth, A. J., and Griffin, I. M.** Oxymetallation. Part VI. Halogenodemercuration of peroxymethylmercurials derived from $\alpha\beta$ -unsaturated esters and ketones, 688.

- Böhler**, Peter. See **Battersby**, Alan R., 1399.
- Bone**, Stephen, **Trippett**, Stuart, and **Whittle**, Peter J. The apicophilicity of thio-substituents in trigonal bipyramidal phosphoranes, 2125.
- Boni**, Renzo, and **Verdini**, Antonio S. Synthesis of poly-(L-azetidene-2-carboxylic acid), 2173.
- Bonnett**, Raymond, and **Holleyhead**, Robin. Reaction of tryptophan derivatives with nitrite, 962.
- Boul**, A. David, **Macrae**, Robert, and **Meakins**, G. Denis. Hydroxy-steroids. Part XIX. Preparation and reactions of 4,4-dimethyl-5 α -androstan-2-one and lupan-2-one, 1138.
- Boul**, A. David, and **Meakins**, G. Denis. Hydroxy-group stretching bands and conformations of substituted benzyl alcohols, 1235.
- Boullier**, Paul A. See **Banthorpe**, Derek V., 1637.
- Boyce**, Clive B. C., **Webb**, Shirley B., and **Phillips**, Lawrence. The phosphorus trichloride-oxygen-olefin reaction: scope and mechanism, 1650.
- Boyce**, Clive B. C., **Webb**, Shirley B., **Phillips**, Lawrence, and **Ager**, Ian R. The phosphorus trichloride-oxygen-olefin reaction: conformation and elimination studies on products derived from 1-chloro-2-fluoro- and 1,2-difluoro-ethylene, 1644.
- Boyce**, Richard, **Murphy**, William S., and **O'Riordan**, Edward A. 1,1-Diphenylalkenes. Part IV. Carbonation and aldol addition reactions of 1,1-diphenylpropenyl anions, 792.
- Boyd**, Gerhard V., and **Norris**, Timothy. Mesoionic compounds derived from pyrazole, isothiazole, and isoxazole, 1028.
- Boyer**, Joseph H. See **Fu**, Peter P., 2246.
- Boyle**, Francis T., and **Hull**, Roy. Reactions of heterocycles with thiophosgene. Part III. 5-Isothiocyantopentatrians-2,cis-4-dienal, a product obtained from pyridine, 1541.
- Bracho**, Ruben D. See **Barton**, Derek H. R., 2278.
- Bradbury**, Robert B. See **Battersby**, Alan R., 1394.
- Brettie**, Roger. See **Banda**, F. Mpandasoni, 1907.
- Brewer**, Christopher L., and **Guthrie**, R. D. Nitrogen-containing carbohydrate derivatives. Part XXXI. Synthesis of derivatives of 2,6-diamino-2,3,6-trideoxy- α -D-ribo-hexopyranose: confirmation of the structure of nebrasamine, 657.
- Brewer**, John P. N., **Heaney**, Harry, **Ley**, Steven V., and **Ward**, Terence J. Aryne chemistry. Part XXXIV. Reactions of NN-dimethylarylamines with tetrahalogenobenzynes, 2688.
- Brimacombe**, John S., **Da'aboul**, Ibrahim, and **Tucker**, Leslie C. N. Syntheses of derivatives of 2,6-diamino-2,3,4,6-tetradeoxy-DL-erythro-hexose (DL-purpurosamine C) and 2,6-diamino-2,3,4,6-tetradeoxy-DL-threo-hexose (epi-DL-purpurosamine C), 263.
- Brimacombe**, John S., and **Doner**, Landis W. Branched-chain sugars. Part II. Characterization of methyl 2,4-di-O-acetyl-3,6-dideoxy-3-C-methyl-3-nitro- α -L-glucopyranoside and some of its chemical transformations, 62.
- Brimacombe**, John S., and **Rollins**, Anthony J. Branched-chain sugars. Part III. Synthesis of D-nogalose (6-deoxy-3-C-methyl-2,3,4-tri-O-methyl-D-mannopyranose), 1568.
- Britten**, Adam, and **Lockwood**, Geoffrey. Photoluminescence studies of molecular interactions. Part I. Synthesis of some indolyl ketones and tryptophan analogues, 1824.
- Brook**, Peter R., **Duke**, A. Jonathan, **Harrison**, John M., and **Hunt**, Keith. Stereospecific ring contractions of 7-chlorobicyclo[3.2.0]hept-2-en-6-ones and equilibration studies of 7-alkylbicyclo[3.2.0]hept-2-en-6-ones, 927.
- Brook**, Peter R., and **Harrison**, John M. Addition of chloroketens to spiro[2.4]hepta-4,6-diene, 778.
- Brooke**, Gerald M. Pyrolyses of pentafluorophenyl prop-2-enyl and [2,3,3- 2 H₃]prop-2-enyl ethers. Reactions proceeding via internal Diels-Alder reactions, 233.
- Brooks**, John S., and **Morrison**, George A. Naturally occurring compounds related to phenalenone. Part VII. Absolute configuration of atrovenetin and related compounds, 2114.
- Brown**, Brian O. See **Bandaranayake**, Wikramasinghe M., 998.
- Brown**, Ben R., and **Shaw**, Mark R. Reactions of flavanoids and condensed tannins with sulphur nucleophiles, 2036.
- Brown**, Charles. See **Cresp**, Terry M., 2435.
- Brown**, Desmond J., and **Ienega**, Kazuharu. The Dimroth rearrangement. Part XVI. A new general synthesis and rearrangement of C-alkylated 1,6-dihydro-6-imino-1-methylpyrimidines, 372.
- Brown**, Desmond J., and **Lynn**, Robert K. Purine studies. Part XI. Condensation of tetraethoxymethane and similar orthocarbonates with ortho-diamines to give 8-ethoxypurines and related fused imidazoles, 349.
- Brown**, Desmond J. See also **Badger**, Rodney J., 152.
- Brown**, Geoffrey W. See **Abbott**, Patrick J., 1177.
- Brown**, Joseph Patrick. Reaction of 1,2-benzodithiole-3-thione with ethylene- and trimethylene-diamines, 869.
- Brown**, Joseph Patrick, and **Gay**, Terence B. Benzo[1,2-c:3,4-c':5,6-c'']tris[1,2]dithiole-1,4,7-trithione, 866.
- Brown**, Joseph Patrick, and **Thompson**, Merle. Thiations with sulphur in dimethylformamide, 863.
- Brown**, Kevan. See **Bancroft**, Keith C. C., 1852.
- Broxton**, Trevor J., **Deady**, Leslie W., **McCormack**, John D., **Kam**, Lin C., and **Toh**, Swee H. Ring bromination of aryl methyl ketones with hypobromous acid, 1769.
- Bruce**, J. Malcolm, and **Chaudhry**, Arshad-ul-haq. Light-induced and related reactions of quinones. Part XI. 4,4'-Diphenoquinones, 295.
- Bruce**, J. Malcolm, **Chaudhry**, Arshad-ul-haq, and **Dawes**, Keith. Light-induced and related reactions of quinones. Part X. Further studies with hydroxymethyl-, vinyl-, and (2-ethoxycarbonyl-ethyl)-1,4-benzoquinones, 288.
- Bubb**, William A. See **Barton**, Derek H. R., 2095.
- Buchanan**, J. Grant, and **Clode**, David M. Synthesis and properties of 2,3-anhydro-D-mannose and 3,4-anhydro-D-altrose, 388.
- Buchanan**, J. Grant, **Edgar**, Alan R., and **Power**, Michael J. C-Nucleoside studies. Part I. Synthesis of [2,3,5-tri-O-benzyl- α (and β)-D-ribofuranosyl]ethyne, 1943.
- Bunce**, Nigel J. Electrophilic displacement of arylazocations from azophenols, 942.
- Bunting**, John W. The major tautomers of the pseudobases of 1,5- and 1,8-naphthyridine dications, 1833.
- Burgoine**, Kenneth T., **Davies**, Stephen G., **Peagram**, Michael J., and **Whitham**, Gordon H. trans-Cycloalkenes. Part IV. Some aspects of the chemistry of trans-cyclooctene, 2629.
- Burnett**, Raymond D., and **Kirk**, David N. An improved synthesis for 2 β -hydroxytestosterone, 284.
- Bushby**, Richard J. Reaction between dicyanoacetylene and ether solvents, 274.

- Butcher**, Martin E. See **Uff**, Barrie C., 566.
- Buxton**, P. Christopher, **Hales**, Neil J., **Hankinson**, Barry, **Heaney**, Harry, **Ley**, Steven V., and **Sharma**, Ram Prakash. Aryne chemistry. Part XXXIII. Reactions of tetrahalogenobenzenes with methoxyarenes and the photolysis and thermolysis of some of the products, 2681.
- Buxton**, P. Christopher, **Heaney**, Harry, **Mason**, Kenneth G., and **Sketchley**, John M. Aryne chemistry. Part XXXVI. Approaches to the synthesis of 5,6,7,8-tetrahalogeno-1,4-dihydro-2-nitroso-1,4-ethenonaphthalenes (2-nitrosotetrahalogenobenzobarrelenes), 2695.
- C
- Cadogan**, J. I. G., and **Gosney**, Ian. Reactions of triarylarsines with nitrene precursors: formation of triarylarsinimines (*AsAsAs*-triarylarsine imides) and related compounds, 460.
- Formation of triphenylarsinimines (*AsAsAs*-triphenylarsine imides) by non-nitrene routes: co-oxidation of triphenylarsine and amines or amides with lead tetraacetate, and related reactions. Preparation of diacetoxytriphenylarsorane, 466.
- Cadogan**, J. I. G., **Scott**, Robert J., **Gee**, Robert D., and **Gosney**, Ian. The reactivity of organophosphorus compounds. Part XXX. Iminophospholes and a new synthesis of benzofurazans *via* intramolecular rearrangement of 1-*o*-nitroarylimino-1,2,5-triphenylphospholes, 1694.
- Caille**, Anita, **Heitz**, Frederic, and **Spach**, Gérard. Use of 2-hydroxyphenyl esters for a racemization-free synthesis of alternating diastereoisomeric poly-(γ -benzyl glutamate)s, 1621.
- Calder**, Alan, **Forrester**, Alexander R., and **McConnachie**, Gordon. Nitroxide radicals. Part XIV. Decomposition of 1- and 2-naphthyl *t*-butyl nitroxides, 2198.
- Callaghan**, Patrick D. See **Barnish**, Ian T., 215.
- Calligaris**, M. See **Forchiassin**, M., 660.
- Camaggi**, Carlo-Maurizio, **Leardini**, Rino, **Tundo**, Antonio, and **Tiecco**, Marcello. Decomposition of benzoyl peroxide in thiophen, 271.
- Cambie**, Richard C., **Hayward**, Rodney C., **Roberts**, John L., and **Rutledge**, Peter S. Diterpenes. Part XI. Iodo-carboxylations of phyllocladene (8 β ,13 β -kaur-16-ene) and isophyllocladene (8 β ,13 β -kaur-15-ene), 1120.
- Reactions of thallium(I) carboxylates and iodine with alkenes, 1858.
- Iodolactonizations using thallium(I) carboxylates, 1864.
- Campbell**, Alex C., **Hewett**, Colin L., **Maidment**, Maurice S., and **Woods**, Gilbert F. Formation of some novel 9 β -methyl-19-norpregnane derivatives, 1799.
- Campbell**, Neil, and **MacPherson**, Roderick S. Synthesis of 2-benzylcyclobuta[*a*]naphthalene-1-carboxylic acid, 42.
- Canonica**, Luigi, **Ronchetti**, Fiamma, and **Russo**, Giovanni. Stereochemistry of reduction of the 24,25-double bond in the biosynthesis of tigogenin in *Digitalis lanata*, 1670.
- Caplin**, Alon. Synthesis and ¹H nuclear magnetic resonance spectra of some aryl-1,2,3-selenadiazoles, 30.
- Carde**, Robert N., and **Jones**, Gurnos. Intramolecular nitrene insertions into aromatic and hetero-aromatic systems. Part I. Insertion into naphthalenes and tetralins, 2066.
- Caristi**, Corrado, and **Gattuso**, Mario. Neighbouring group participation in isoxazole ring bromination. Part I. Spirobi-isoxazolines from 5-phenacyl-3-phenylisoxazole oxime, 679.
- Carpenter**, Philip D., **Humphreys**, David J., **Proctor**, George R., and **Rees**, Liliac G. Novel aromatic systems. Part XI. Preparation of 1,2-dihydroxybenzocycloheptenes, 1527.
- Carruthers**, William, and **Evans**, Nigel. Photocyclisation of styrylindoles. Synthesis of 1-, 2-, 3- and 4-methyl-11*H*-benzo[*a*]carbazoles, 421.
- Photolysis of 1-benzoyl- and 1- and 3-*o*-iodobenzoyl-indole, 1523.
- Carruthers**, William, and **Pooranamoorthy**, Ratnam. 7-, 8-, 9-, and 10-Methylbenzo[*a*]fluorene. Preparation of *o*-iodotoluic acids *via* the thallium(III) bistrifluoroacetates, 2405.
- Carson**, John F., and **Wong**, Francis F. Preparation of γ -glutamyl dipeptides of sulphur-containing amino-acids, 685.
- Casiraghi**, Giovanni, **Casnati**, Giuseppe, **Cornia**, Mara, **Sartori**, Giovanni, and **Ungaro**, Rocco. Regiospecificity in reactions of metal phenoxides: 2,2'-dihydroxytriphenylmethanes from aryloxymagnesium bromides and aromatic aldehydes, 2077.
- Casnati**, Giuseppe, **Gardini**, Gian Piero, **Palla**, Gerardo, and **Fuganti**, Claudio. Mechanism of alkylation of the benzene unit of tryptophan in the biosynthesis of echinuline and neoechinuline, 2397.
- Casnati**, Giuseppe, **Marchelli**, Rosangela, and **Pochini**, Andrea. Rearrangement of 3-alkyl-1-allylindoles: a model reaction for the biogenesis of echinulin-type compounds, 754.
- Casnati**, Giuseppe. See also **Casiraghi**, Giovanni, 2077.
- Caspi**, Eliahu. See **Yagen**, Boris, 1994.
- Cassio**, Cesare. See **Stradi**, Riccardo, 2671.
- Cavaleiro**, José A. S., **Kenner**, George W., and **Smith**, Kevin M. Pyrroles and related compounds. Part XXXII. Biosynthesis of protoporphyrin-IX from coproporphyrinogen-III, 1188.
- Cavaleiro**, José A. S., **Gonsalves**, António M. d'A. Rocha, **Kenner**, George W., and **Smith**, Kevin M. Pyrroles and related compounds. Part XXXIII. Total synthesis of deuteriated derivatives of protoporphyrin-IX for nuclear magnetic resonance studies of haemoproteins, 1771.
- Chadwick**, Derek J., **Chambers**, John, **Hodgson**, Philip K. G., **Meakins**, G. Denis, and **Snowden**, Roger L. Preparation of deuteriated furan- and thiophen-2-carbaldehydes and -2-carboxylic esters, 1141.
- Chakrabarty**, Sujit K., and **Kretschmer**, Hans O. Sodium hypochlorite as a selective oxidant for organic compounds, 222.
- Chakrabarty**, Seshali. See **Ghatak**, Usha R., 1957.
- Chambers**, John. See **Chadwick**, Derek J., 1141.
- Chambers**, Richard D., **Clark**, David T., **Holmes**, Thomas F., **Musgrave**, W. Kenneth R., and **Ritchie**, Ian. Polyfluoro-heterocyclic compounds. Part XXIII. Monoenes and dienes derived by the fluorination of hexafluorobenzene and of perfluoro- and chlorofluoro-heteroaromatic compounds. A mechanism for fluorination by cobalt fluorides, 114.
- Chambers**, Richard D., **Clark**, Michael, **MacBride**, J. A. Hugh, **Musgrave**, W. Kenneth R., and **Srivastava**, Krishna C. Polyfluoro-heterocyclic compounds. Part XXIV. Thermal elimination of molecular nitrogen from polyfluoro- and polychloro-pyridazines, 125.
- Chambers**, Richard D., **Clark**, Michael, **Maslakiewicz**, Jorje R., **Musgrave**, W. Kenneth R., and **Urban**, Peter G. Polyfluoro-heterocyclic compounds. Part XXV. Thermal reactions of perfluoroalkylpyridazines, 1513.

- Chambers, Richard D., Corbally, Roger P., Holmes, Thomas, F., and Musgrave, W. Kenneth R.** Polyfluoroheterocyclic compounds. Part XXII. Preparation of and nucleophilic substitution in perfluoro-3,5-dimethylpyridine and perfluoro-3-methylpyridine, 108.
- Chambers, Richard D., Musgrave, W. Kenneth R., and Urben, Peter G.** Polyhalogenoheterocyclic compounds. Part XXVI. Nucleophilic substitution in trifluoropyrazines. Part XXVII. Nucleophilic substitution in chlorofluoropyrazines and tetrachloropyrazine, 2580, 2584.
- Chambers, Richard D., Partington, Stafford, and Speight, David B.** Reactions involving fluoride ion. Part XI. Syntheses from hexafluorobut-2-yne, 2673.
- Chambers, Virginia E. M.** See **Bell, Alan M.**, 312.
- Charnock, George A.** See **Jackson, Anthony H.**, 1911.
- Chaudhry, Arshad-ul-haq.** See **Bruce, J. Malcolm**, 288, 295.
- Chaudhuri, Ratan K.** See **Ghosal, Shibnath**, 2538.
- Cheeseman, Gordon W. H.** See **Anderson, Richard K.**, 129.
- Chen, Sow-Mei Lai.** See **Govindachari, Tuticorin R.**, 1413.
- Cheney, John, Moores, Clive J., Raleigh, James A., Scott, A. Ian, and Young, Douglas W.** Synthesis and reactions of α -thioformyl dipeptides, possible biogenetic precursors of penicillin, 986.
- Chexal, Kuldip K., Fouweather, Christopher, Holker, John S. E., Simpson, Thomas J., and Young, Kenneth.** The biosynthesis of fungal metabolites. Part III. Structure of shamixanthone and tajixanthone, metabolites of *Aspergillus varicolor*, 1584.
- Chhabra, Siri Ram.** See **Uff, Barrie C.**, 1146.
- Chia, Hock-Ann, Kirk, Barrie E., and Taylor, David R.** Ene reactions of allenes. Part II. Non-stereospecific ene insertions into an alkyallene by electron deficient acetylenes, 1209.
- Chimichi, Stefano.** See **Adembri, Giorgio**, 1022.
- Chippendale, Kevan E., Iddon, Brian, Suschitzky, Hans, and Taylor, David S.** Condensed thiophen ring systems. Part XV. Preparation and some reactions of 2- and 3-(secondary amino)-benzo[*b*]thiophenes, 1168.
- Chippendale, Kevin E.** See also **Iddon, Brian**, 2500.
- Choudhury, Abdul M.** Acid-catalysed rearrangement of a spirocyclohexadienone involving an external nucleophile, 132.
- Christie, Robert M., Ingram, Alexander S., Reid, David H., and Webster, Robert G.** Studies of heterocyclic compounds. Part XVI. Mechanism of electrophilic substitution of 6 α -thiathiophthens and related compounds: nitrosation with rearrangement, 722.
- Cinquini, Mauro, Colonna, Stefano, and Montanari, Fernando.** Stereochemistry of α -halogeno-sulphoxides. Part III. Absolute stereochemistry of α -chlorination and α -bromination of benzyl methyl sulphoxide. Part IV. Halogenation of thian 1-oxides, 1719, 1723.
- Clark, Bernard A. J., El-Bakoush, Mohamed M. S., and Parrick, John.** Diazaindenes (azaindoles). Part V. Synthesis, spectra, and tautomerism of 1,5-diazainden-4(5*H*)-one, 1,4- and 1,6-diazainden-2(3*H*)-one, and some 3-substituted derivatives, 1531.
- Clark, Bernard A. J., and Parrick, John.** Diazaindenes (azaindoles). Part VI. Preparation and some properties of 1,7-diazaindene 7-oxide and 6,7,8,9-tetrahydro-*y*-carboline 2-oxide, 2270.
- Clark, David T.** See **Chambers, Richard D.**, 114.
- Clark, Ferrers R. S., Norman, Richard O. C., Thomas, C. Barry, and Willson, John S.** Reactions of palladium(II) with organic compounds. Part II. Oxidation of some benzenoid compounds in trifluoroacetic acid, 1289.
- Clark, Jim, Curphey, Michael, and Southon, Ian W.** Heterocyclic studies. Part XXXI. New routes to reduced imidazole, pyrimidine, and pyridopyrimidine derivatives, 1611.
- Clark, Jim, and Morton, Michael S.** Heterocyclic studies. Part XXXIII. Cleavage of 1,3-dimethylpyrimido[4,5-*d*]pyrimidine-2,4(1*H*,3*H*)-dione by nucleophiles. Part XXXV. Cleavage of fervenulin and 3-methylfervenulin by nucleophiles, 1812, 1818.
- Clark, Jim, and Southon, Ian W.** Heterocyclic studies. Part XXXII. Some 5*H*-pyrimido[4,5-*b*][1,4]thiazin-6-(7*H*)-ones. Part XXXIV. Some 5*H*-pyrimido[4,5-*b*]-[1,4]thiazine-6(7*H*)-ones, -4,6(3*H*,7*H*)-diones and -2,4,6-(1*H*,3*H*,7*H*)-triones, 1805, 1814.
- Clark, Michael.** See **Chambers, Richard D.**, 125, 1513.
- Clark, Terence, and Watkins, David A. M.** Photochemical cyclisation of allylanisoles to cyclopropylanisoles, 2124.
- Clarke, David G., Crombie, Leslie, and Whiting, Donald A.** Conversion of phenols into chromens: regioselectivity and scope, 1007.
- Clarke, David G.** See also **Bandaranayake, Wikramasinghe M.**, 998.
- Clayton, J. Peter, Nayler, John H. C., Pearson, Michael J., and Southgate, Robert.** The chemistry of penicillanic acids. Part II. Some reactions of methyl penicillanate and its 6 α -bromo- and 6,6-dibromo-derivatives, 22.
- Cliff, Geoffrey R., Jones, Gurnos, and Woollard, John McK.** Intramolecular nitrene insertions into aromatic and heteroaromatic systems. Part II. Insertions into thiophen rings, 2072.
- Clinging, Robert, Dean, Francis M., and Houghton, Leonard E.** Ring expansion of 3-acetylcoumarin by diazoethane: lactones derived from oxepin, oxocin, and oxonin, 66.
- Clode, David M.** See **Buchanan, J. Grant**, 388.
- Coates, Ian H.** See **Barton, Derek H. R.**, 1459.
- Coates, Jean, Laws, Derek R. J., and Elvidge, John A.** The chemistry of hop constituents. Part XL. Structure of a five-membered-ring oxidation product of colupulone, 36.
- Cocker, Wesley, Lauder, Huntly St. J., and Shannon, Patrick V. R.** The chemistry of terpenes. Part XVII. Synthesis of (+)-*cis*-homocaronic acid (*cis*-3-carboxymethyl-2,2-dimethylcyclopropanecarboxylic acid) and some related compounds, 194.
- Coe, Paul L., Tatlow, J. Colin, and Wyatt, Michael.** Fluorinations with potassium tetrafluorocobaltate(III). Part VI. Fluorination of pyridine and 4-methylpyridine, 1732.
- Coe, Paul L., and Whittingham, Alan.** Aromatic polyfluoro-compounds. Part LV. Preparation and reactions of some polyfluoro(alkylbenzenes), 917.
- Cohylakis, Dimitrios, Hignett, Geoffrey J., Lichman, Keith V., and Joule, John A.** Synthesis of 5-ethyl-11*H*-pyrido[3,4-*a*]carbazole by two routes and conversion of uleine into 5-ethyl-1,2,3,4-tetrahydro-2-methyl-11*H*-pyrido[3,4-*a*]carbazole, 1518.
- Coleman, Philip C.** See **Drewes, Siegfried E.**, 2578.
- Collins, Edward, and Shannon, Patrick V. R.** Allyl and prop-2-ynyl ethers in the phloroglucinol series and their thermal rearrangements. An alternative synthesis of deoxyhumulone and its analogues, 944.

- Collins, James F., Donnelly, William J., Grundon, Michael F., and James, Kevin J.** Biosynthesis of aromatic isoprenoids. Part I. The role of 3-prenylquinolines and of platydesmine in the biosynthesis of the furoquinoline alkaloid, dictamnine, 2177.
- Collins, Peter M., Travis, Anthony S., Tsiquaye, Kwesi N., Lindley, Peter F., and Perratt, Dan.** Dimerisation of 2-phenyl-1,3-dioxan-5-one: X-ray crystal structure of 2,10-diphenyl-1,3,6,9,11,13-hexaoxadispiro[4.1.5.2]tetradecane, 1895.
- Collins, Peter M. and Whitton, Brian R.** Photochemistry of carbohydrate derivatives. Part I. Photolytic decomposition of glucopyranosyl phenyl sulphone acetates, 1069.
- Colonna, Francesco Paolo.** See **Pitacco, Giuliana**, 1625.
- Colonna, Stefano, and Stirling, Charles J. M.** Stereochemistry and reactivity in interconversions of three- and four-coordinate imino-derivatives of sulphur, 2120.
- Colonna, Stefano.** See also **Cinquini, Mauro**, 1719, 1723.
- Conlon, J. Michael, Elix, John A., Feutrill, Geoffrey I., Johnson, Alan W., Roomi, Md W., and Whelan, John.** Synthesis of bilenes-*b*. Some side reactions, 713.
- Connolly, Joseph D., Harding, Alexander E., and Thornton, Ian M. S.** Gymnomitrol and related sesquiterpenoids from the liverwort *Gymnomitrium obtusum* (Lindb) Pears (hepaticae). A novel tricyclic skeleton, 2487.
- Connolly, Joseph D.** See also **Purushothaman, Kozhiparambil K.**, 2661.
- Cook, David C., and Lawson, Alexander.** Reaction of 4-arylmethylene-3-phenylisoxazoles and 4-arylmethylene-1,3-diphenylpyrazolones with enamines and nucleophilic heterocycles, 1112.
- Cooke, Burgess J. A.** See **Shoppee, Charles W.**, 189.
- Cookson, Richard C., and Jones, David W.** Photorearrangement of 2,3,3a,7a-tetrahydro-4,5,6,7-tetraphenylindene, 1767.
- Cookson, Richard C., and Rogers, Nigel R.** Photochemistry of 2-(cycloalk-1-enyl)cycloalkanones. A new photochemical reaction of $\beta\gamma$ -unsaturated ketones, 1037.
- Coombs, Maurice M., and Crawley, Francis E. H.** Potentially carcinogenic cyclopenta[*a*]phenanthrenes. Part IX. Characterisation of a 5,10-epoxybenzocyclodecene as a major urinary metabolite of the carcinogen 15,16-dihydro-11-methylcyclopenta[*a*]phenanthren-17-one, 2330.
- Coombs, Robert G., and Russell, Leslie W.** Products of nitration of aromatic and heteroaromatic compounds by some transition-metal nitrate-compounds, 1751.
- Cooper, Caroline M.** See **Barton, Derek H. R.**, 1459.
- Cooper, David B., Harrison, John M., Inch, Thomas D., and Lewis, Gilbert J.** Use of carbohydrate derivatives for studies of phosphorus stereochemistry. Part II. Synthesis and configurational assignments of 1,3,2-oxathia-phosphorinan-2-ones and 1,3,2-dioxaphosphorinan-2-thiones. Part IV. Ring-opening reactions of 1,3,2-dioxaphosphorinan-2-ones and related compounds with Grignard reagents and with sodium methoxide, 1049, 1058.
- Cooper, David B., Inch, Thomas D., and Lewis, Gilbert J.** Use of carbohydrate derivatives for studies of phosphorus stereochemistry. Part I. Stereochemistry of 1,3,2-dioxaphosphorinan-2-ones and synthesis of optically active phosphine oxides, 1043.
- Corbally, Roger P.** See **Chambers, Richard D.**, 108.
- Corbella, Attilio, Gariboldi, Pierluigi, Jommi, Giancarlo, Orsini, Fulvia, DeMarco, Antonio, and Immirzi, Attilio.** Structure and absolute stereochemistry of pinguisone, 1875.
- Corbett, David F., and Stoodley, Richard J.** Studies related to penicillins. Part XII. Reactions of (1*R*,5*S*)-3-benzyl-7-(2-methylprop-1-enyl)-2-oxa-4,7-diazabicyclo[3.2.0]hept-3-en-6-one with alcohols and with acids, 185.
- Cornia, Mara.** See **Casiraghi, Giovanni**, 2077.
- Corral, Renée A.** See **Orazi, Orfeo O.**, 219, 2087.
- Corrie, John E. T.** See **Barton, Derek H. R.**, 1326.
- Cosmastos, Alexandros.** See **Katsoyannis, Panayotis G.**, 1311.
- Cotterill, Philip J., Owen, Peter J., and Scheinmann, Feodor.** Extractives from Guttiferae. Part XXVIII. Structure and synthesis of new biphenyls from *Pentaphalangium solomonse* Warb., 2423.
- Courduvelis, C. I.** See **Ariyan, Z. S.**, 447.
- Cowell, David B., Davis, Alan K., Mathieson, David W., and Nicklin, Paul D.** Bromo-, chloro-, and amino-derivatives of 5 α -androstane and 5 α -oestrane, 1505.
- Cox, Michael T., Howarth, T. Trefor, Jackson, Anthony H., and Kenner, George W.** Pyrroles and related compounds. Part XXVIII. β -Keto-esters in the porphyrin series, 512.
- Cox, Michael T., Jackson, Anthony H., Kenner, George W., McCombie, Stuart W., and Smith, Kevin M.** Pyrroles and related compounds. Part XXIX. Vinylporphyrin β -keto-esters, 516.
- Cox, Philip J.** See **Hickmott, Peter W.**, 2544.
- Crawley, Francis E. H.** See **Coombs, Maurice M.**, 2330.
- Creasey, Susan E., and Guthrie, R. D.** Mesitylenesulphonyl chloride: a selective sulphonating reagent for carbohydrates, 1373.
- Creedon, Patrick B.** See **O'Donovan, Daniel G.**, 2524.
- Cresp, Terry M., Giles, Robin G. F., Sargent, Melvyn V., Brown, Charles, and Smith, David O'N.** Synthesis of piloquinone, a metabolite of *Streptomyces pilosus* Ettlinger, 2435.
- Cresp, Terry M., and Sargent, Melvyn V.** Epoxy-bridged [19]- and [21]-annulenones, 2145.
- Cresp, Terry M., Sargent, Melvyn V., and Vogel, Paul.** A synthesis of $\alpha\beta$ -unsaturated aldehydes, 37.
- Crilly, William.** See **Bellamy, Anthony J.**, 2417.
- Crombie, Leslie.** See **Bandaranayake, Wikramasinghe M.**, 998, **Begley, Michael J.**, 1230, and **Clarke, David G.**, 1007.
- Crooy, Pierre.** See **Anhoury, Marie-Louise**, 191, 1015.
- Cross, Brian E.** See **Bateson, John H.**, 1131.
- Crossley, Roger, and Curran, Adrian C. W.** A novel synthesis of thiols from α -amino-nitriles, 2327.
- Crotti, Paolo.** See **Balsamo, Aldo**, 2548.
- Crout, David H. G.** See **Davies, Noel M.**, 2079, and **Robins, David J.**, 2082.
- Cubberley, Brian W., and Marples, Brian A.** Steroids. Part XVIII. Spontaneous decomposition of 5 α -bromo-6 β -hydroxy-steroids, 9.
- Cum, Giampietro.** See **Aversa, Maria C.**, 209.
- Cunningham, Ian M., and Overton, Karl H.** Steric factors in the hydrogenolysis of some steroidal allylic alcohols by mixed hydrides, 2458.
- Curphey, Michael.** See **Clark, Jim**, 1611.
- Curran, Adrian C. W.** See **Crossley, Roger**, 2327.
- Cusack, Noel J., Robinson, David H., Rugg, Peter W., Shaw, Gordon, and Lofthouse, Roy.** Purines, pyrimidines, and imidazoles. Part XLI. Glycofuranosylamines derived from D-xyllose, D-glucose, D-mannose, and L-rhamnose and their use in the synthesis of pyrimidine and imidazole nucleosides, 73.

Cuthbertson, Eric, and **MacNicol**, David D. Flexible two-step synthesis of the bicyclo[3.3.1]nona-2,6-diene skeleton and its 9-hetero-analogues from (*Z,Z*)-cyclo-octa-1,5-diene, 1893.

D

- Da'aboul**, Ibrahim. See **Brimacombe**, John S., 263.
- Dahanayake**, Mahilal, **Kitagawa**, Isao, **Somanathan**, Ratnaswamy, and **Sultanbawa**, M. Uvais S. Chemical investigation of Ceylonese plants. Part VII. Extractives of *Calophyllum thwaitesii* Planch and Triana and *Calophyllum walkeri* Wight (Guttiferae), 2510.
- Dart**, Edward C., and **Holt**, Geoffrey. Interaction of the isomeric chlorosulphonylbenzoyl chlorides and benzene, under the influence of aluminium chloride, 1403.
- Dauphinee**, Gerald A. See **Hooper**, Donald L., 14.
- David**, Serge, **Eustache**, Jacques, and **Lubineau**, André. Cycloaddition as a possible path to disaccharide synthesis: stereochemical course of the reaction of butyl glyoxylate with a chiral, protected dienyl ether of glucose, 2274.
- Davies**, Alan B. See **Aldridge**, David C., 1540.
- Davies**, Alan P. See **Aneja**, Rajindra, 141.
- Davies**, David G., and **Hodge**, Philip. Chemistry of quinones. Part V. Structure of cladofulvin, a bianthraquinone from *Cladosporium fulvum* Cooke, 2403.
- Davies**, David G., **Hodge**, Philip, and **Yates**, Paul. Chemistry of quinones. Part IV. Synthesis of anthraquinones via Friedel-Crafts reaction between 3,4-dimethoxyphthalic anhydride and *o*-cresol: a re-investigation, 2399.
- Davies**, David I. See **Adams**, David R., 246, 2012, and **Fray**, Gordon I., 729.
- Davies**, John S. See **Al-Hassan**, Jassim, 2342.
- Davies**, Noel M., and **Crout**, David H. G. Pyrrolizidine alkaloid biosynthesis. Relative rates of incorporation of the isomers of isoleucine into the necic acid component of senecionine, 2079.
- Davies**, Stephen G. See **Burgoine**, Kenneth T., 2629.
- Davis**, Alan K. See **Cowell**, David B., 1505.
- Dawes**, Keith. See **Bruce**, J. Malcolm, 288.
- Deady**, Leslie W. See **Broxton**, Trevor J., 1769.
- Dean**, Francis M., and **Patampongse**, Chachanat. The 1,3-dihydroxy-5-oxonia-11-azabenzob[*b*]fluorene cation; a synthetic nitrogenous anthocyanidin, 952.
- Dean**, Francis M., **Patampongse**, Chachanat, and **Podmuang**, Verapong. The cyclisation of phenolic nitrochalcones to compounds containing the [1]benzopyrano[3,2-*b*]indole nucleus, 583.
- Dean**, Francis M. See also **Clinging**, Robert, 66.
- de Bie**, Dick A., **Plas**, Henk C. van der, and **Geurtsen**, Bart. Photoreactivity of diazines. Part III. Pyrimidines. Part XXXVIII. Photoamination of halogenopyrimidines, 1363.
- de Boer**, Thymen J. See **de Gee**, Anton J., 676.
- de Gee**, Anton J., **Sep**, Waltherus J., **Verhoeven**, Jan W., and **de Boer**, Thymen. Stereospecific synthesis of chiral *N*-(*p*-methoxyphenylalkyl)pyridinium salts, 676.
- Delbaere**, Caroline U. L., and **Whitham**, Gordon H. Some attempts to use the modified acyloin reaction of Schr apler and R uhlmann for the synthesis of strained carbocyclic systems, 879.
- Del Buttero**, Paola, **Maiorana**, Stefano, and **Trautluft**, Marco. 2-Halogeno-3-morpholinotietan 1,1-dioxides. Reactivity in base promoted elimination and ring cleavage, 1411.
- Del Cima**, Francesco, and **Pietra**, Francesco. Ring enlargement of bicyclo[3.3.1]nonan-2-one with diazomethane, 1710.
- Del Cima**, Francesco. See also **Volpi**, Erio, 703.
- Dell'Erba**, Carlo. See **Guanti**, Giuseppe, 2357.
- DeMarco**, Antonio. See **Corbella**, Attilio, 1875.
- de Mayo**, Paul, and **Suau**, Rafael. Photochemical synthesis. Part LVIII. A photochemical synthesis of (\pm)-cuparene, 2559.
- De Mayo**, Paul. See also **Aberhart**, John, 816, and **Fehr**, Theo, 836.
- De Micheli**, C. See **Bianchi**, G., 137.
- De Neys**, Robert. See **Anhoury**, Marie-Louise, 191, 1015.
- Dennis**, Nicholas, **Ibrahim**, Badreldin, **Katritzky**, Alan R., **Taulov**, Ivan G., and **Takeuchi**, Yoshito. 1,3-Dipolar character of six-membered aromatic rings. Part IX. Rearrangement and additions of 1-(2,4-dinitrophenyl)-3-oxidopyridinium, 1883.
- Dennis**, Nicholas, **Katritzky**, Alan R., **Matsuo**, Taisuke, **Parton**, Stuart K., and **Takeuchi**, Yoshito. 1,3-Dipolar character of six-membered aromatic rings. Part VII. 1-Phenyl-3-oxidopyridinium, 746.
- Dennis**, Nicholas, **Katritzky**, Alan R., and **Parton**, Stuart K. 1,3-Dipolar character of six-membered aromatic rings. Part VIII. [2]Benzopyrano[4,3-*b*]pyridin-6-ones, 750.
- Desai**, Haridutt K. See **Govindachari**, Tuticorin R., 1413.
- De Sarlo**, Francesco. Behaviour of nitrile oxides towards nucleophiles. Part I. Pyridine-catalysed dimerisation of aromatic nitrile oxides, 1951.
- De Sio**, Francesco. See **Adembri**, Giorgio, 1022.
- Devlin**, Celestine J., and **Walker**, Brian J. Reactions of bromonitroalkenes with trivalent phosphorus. Part II. Reaction in methanol, 453.
- Dewar**, Michael J. S., and **Ramsden**, Christopher A. The Stevens rearrangement: an antiaromatic pericyclic reaction? 1839.
- Deyoe**, Charles W. See **Seib**, Paul A., 1220.
- Djerassi**, Carl. See **Sheikh**, Younos M., 909.
- Doner**, Laudis W. See **Brimacombe**, John S., 62.
- Donnelly**, John A., **Hoey**, James G., and **O'Donnell**, Raymond. Rearrangement of an oxetan-3-one and related alcohols by Grignard reagents, 1218.
- Donnelly**, John A., **O'Brien**, Simon, and **O'Grady**, John. Synthesis of 3,6-dihydro-2*H*-pyrans and pent-2-ene-1,5-diols from $\alpha\beta$ -unsaturated ketones via cyclopropyl epoxides, 1674.
- Donnelly**, William J. See **Collins**, James J., 2177.
- Drewes**, Siegfried E., and **Coleman**, Philip C. Synthesis of new macrocycles. Part IV. Two-step synthesis of dimeric phthalic acid esters, 2578.
- Drewes**, Siegfried E., and **Fletcher**, Ian P. Polyhydroxystilbenes from the heartwood of *Schotia brachypetala*, 961.
- Drewes**, Siegfried E., and **Riphagen**, Brian G. Synthesis of new macrocycles. Part II. Cyclic esters based on $\alpha\alpha'$ -dibromo-*o*-xylene. Part III. Cyclic tetraesters from dipotassium Δ^2 -1,4-dicarboxylates and mono- and diacetylenic dibromides, 323, 1908.
- Duffy**, Thomas D., and **Wibberley**, D. George. Pyrrolo[2,3-*d*]pyrimidines. Synthesis from 4-pyrimidylhydrazones, a 2-bis(methylthio)methyleneaminopyrrole-3-carbonitrile, and a pyrrolo[2,3-*d*][1,3]thiazine-2(1*H*)-thione, 1921.
- Duke**, A. Jonathan. See **Brook**, Peter R., 927.

Durette, Philippe L., **Hough**, Leslie, and **Richardson**, Anthony C. The chemistry of maltose. Part II. Chemical modifications at the reducing unit. Part III. Introduction of azido- and amino-substituents at specific positions of methyl β -maltoside, 88, 97.

E

Eaborn, Colin, **Jackson**, Richard A., and **Pearce**, Ronald. Reduction of aryltrimethylsilanes as a synthetic method. Part I. Electrochemical reduction, 2055.

Eaborn, Colin, **Jenkins**, Ian D., and **Walton**, David R. M. Preparation of aromatic nitro-compounds through nitro-sodestannylation. 1,2-Dihydro-3-nitrobenzocyclobutene and trimethyl-*p*-nitrophenylstannane, 870.

Eapen, Kalathil C. See **Banks**, Ronald E., 2532.

Ebetino, Frank F. See **Kametani**, Tetsuji, 861.

Eck, Charles R., **Hodgson**, Gordon L., **MacSweeney**, David F., **Mills**, Roy W., and **Money**, Thomas. A stereospecific synthetic route to campherone, campherol, epi-campherone, β -santalene, epi- β -santalene, ylangocamphor, copacamphor, sativene, and copacamphene, 1938.

Edgar, Alan R. See **Buchanan**, J. Grant, 1943.

Edge, David J. See **Banks**, Ronald E., 721.

Edmonds, Anthony C. F. See **Jones**, D. Neville, 937.

Efraty, Avi. See **King**, R. Bruce, 1371.

Eiho, Jiro. See **Tamura**, Yasumitsu, 102, 105.

Ekong, Donald E. U. See **Okogun**, Joseph I., 2195.

El-Bakoush, Mohamed M. S. See **Clark**, Bernard A. J., 1531.

Eliassers, Jacques. See **Anhoury**, Marie-Louise, 191, 1015.

Elix, John A. See **Conlon**, J. Michael, 713, and **Godfrey**, Ian M., 1353.

Elliott, Michael, **Janes**, Norman F., and **Pulman**, David A. The pyrethrins and related compounds. Part XVIII. Insecticidal 2,2-dimethylcyclopropanecarboxylates with new unsaturated 3-substituents, 2470.

Ellis, Gwynn P., and **Jones**, Richard T. One-step synthesis and spectral study of some 1-methylbenzimidazoles, including use of a lanthanide shift reagent, 903.

Ellis, Gwynn P., and **Thomas**, Idris L. Benzopyrones. Part XI. Some 3-substituted 4-oxochromen-2-carboxylic acid derivatives, 2570.

Elvidge, John A. See **Alazewe**, Subhi, 696, **Coates**, Jean, 36, and **Tickle**, Richard W., 569.

Esack, Ashmeed, and **Bersohn**, Malcolm. A program for rapid and automatic functional group recognition, 2463.

Eustache, Jacques. See **David**, Serge, 2274.

Evans, Ben E. Covalent addition of ammonia to pteridine: the 3,4-monoadduct, 357.

Evans, David D., and **Peters**, David J. 1,3,4,5-Tetrahydrobenz[*cd*]indoles and related compounds. Part V. Some reactions of 1,2,4,5-tetrahydropyrrolo[3,2,1-*ij*]quinolin-6-one, 285.

Evans, Geoffrey E. See **Baxter**, Ian, 2574.

Evans, Leonard R. See **Birchall**, J. Michael, 1715.

Evans, Nigel. See **Carruthers**, William, 421, 1523.

Evans, Roger, **Hanson**, James R., and **Marten**, Tim. Studies in terpenoid biosynthesis. Part XI. Stereochemistry of some stages in trichothecane biosynthesis, 857.

Evans, R. James D., **Landor**, Stephen R., and **Regan**, John P. Asymmetric syntheses. Part VII. Asymmetric reduction of ketones and alk-2-en-4-yn-1-ols with a lithium bismethylaluminum hydride complex; determination of the absolute configurations of allenic alcohols, 552.

F

Farkas, Lorand, **Gottsegen**, Agnes, **Nógrádi**, Mihály, and **Antus**, Sándor. Synthesis of sophorol, violanone, lonchocarpan, claussequinone, phenopterane, leiocalycin, and some other natural isoflavonoids by the oxidative rearrangement of chalcones with thallium(III) nitrate, 305.

Farthing, Jennifer. See **Bellamy**, Anthony J., 2417.

Fatutta, Silvana, and **Risaliti**, Amerigo. Non-regiospecific additions of enamines to $\alpha\beta$ -unsaturated sulphones, 2387.

Fehr, Theo, **Jain**, Rup C., **de Mayo**, Paul, **Motl**, O., **Szilagyi**, Imre, **Baczynskyj**, Lubomir, **Gracey**, D. E. Fergus, **Holland**, Herbert L., and **MacLean**, David B. The constitution of primycin. Part III. Degradation of methylated primycin, and the structure of primycin, 836.

Fehr, Theo. See also **Aberhart**, John, 816.

Fenn, M. David, and **Lister**, John H. Purine studies. Part XII. Derivatives resulting from acylation and subsequent ethylation of 4,5-diamino-6-methyl-2-methylthio-pyrimidine, 1300.

Fernandez, Franco, **Kirk**, David N., and **Scopes**, Molly. Optical rotatory dispersion and circular dichroism. Part LXXXI. Optical resolution of *trans*-1 α -decalol, *trans*-2 α -decalol, and *trans*,*syn*,*trans*-perhydroanthracen-2 α -ol, 18.

Fernandez, Franco. See also **Fringuelli**, Francesco, 1103.

Ferreira, Daneel, **Merwe**, Johanna P. van der, and **Roux**, David G. Phytochemistry of the gum copal tree. *Trachylobium verrucosum* (Gaertn.) Oliv. The first natural α -hydroxychalcone and 2,3-*cis*- and 2,3-*trans*-3-methoxyflavanones, 1492.

Ferreira, Geraldo A. L. See **Araújo**, Hugo C., 2257.

Ferreira, Margarida A., **Moir**, Michael, and **Thomson**, Ronald H. New pterocarpenes from *Brya ebenus*, 2429.

Ferretti, Maria. See **Balsamo**, Aldo, 2548.

Feutrill, Geoffrey I. See **Conlon**, J. Michael, 713.

Fitton, Alan O., and **Frost**, Jonathan R. Further observations on the cyclisation of 2-benzamido-1-phenylpropan-1-ol, 1153.

Fletcher, Ian P. See **Drewes**, Siegfried E., 961.

Flowerday, Rowena F. See **Abbott**, Patrick J., 1177, and **Acheson**, R. Morrin, 2339.

Flowers, William T., **Holt**, Geoffrey, and **Hope**, Michael A. Acid-induced interaction of 2-diazoacetophenones and sulphides with special reference to the cyclization of 2-diazo-2'-(phenylthio)acetophenones and the unusual formation of a diacylolefin in a reaction between a β -carbonyl-sulphonium ylide and a phenacylsulphonium salt, 1116.

Flynn, Randy G. A., and **Woodgate**, Paul D. The dienone-phenol rearrangement. Synthesis of spiro[4.5]dec-7-ene-6,9-dione, 964.

Forbes, Craig P., **Goosen**, André, and **Laue**, Hugh A. Hypoiodite reaction: mechanism of the reaction of mercury(II) oxide-iodine with olefins, 2346.

Hypoiodite reaction: kinetic study of the reaction of 1,1-diphenylethylene with mercury(II) oxide-iodine, 2350.

Forchiassin, M., **Risaliti**, A., **Russo**, C., **Calligaris**, M., and **Pitacco**, G. Reactions of enamines from *trans*-decalin-2-ones with β -nitrostyrene and phenyl vinyl ketone, and X-ray analysis of 2-*p*-bromophenyl-4a,5,5a,6,7,8,9,9a,10,10a-decahydro-5a-methyl-10a-morpholino-4*H*-naphtho[2,3-*b*]pyran, 660.

- Fordham**, William D. See **Banthorpe**, Derek V., 1637.
- Fornaroli**, Mirco. See **Tempesti**, Ezio, 771.
- Forrest**, Janet E., **Heacock**, Ronald A., and **Forrest**, Thomas P. Diarylpropanoids from nutmeg and mace (*Myristica fragrans* Houtt.), 205.
- Forrest**, Thomas P. See **Forrest**, Janet E., 205.
- Forrester**, Alexander R., and **Hepburn**, Stuart P. Nitroxide radicals. Part XV. *p*-Methoxy- and *p*-phenoxy-phenyl *t*-butyl nitroxides, 2208.
- Forrester**, Alexander R., **Hepburn**, Stuart P., and **McConachie**, Gordon. Nitroxide radicals. Part XVI. Unpaired electron distribution in *para*-substituted aryl *t*-butyl nitroxides and 2-naphthyl phenyl nitroxides, 2213.
- Forrester**, Alexander R., **Skilling**, James, and **Thomson**, Ronald H. Persulphate oxidations. Part X. Heterocyclic synthesis by oxidation of *ortho*-substituted phenoxyacetic acids, 2161.
- Forrester**, Alexander R. See also **Calder**, Alan, 2198.
- Forrester**, James. See **Baines**, David, 1598.
- Foster**, Roy, **Kulevsky**, Norman, and **Wanigasekera**, Devapriya S. Reaction of amino-acids with *p*-benzoquinones, 1318.
- Foulger**, Norman J., and **Wakefield**, Basil J. Polyhalogenoaromatic compounds. Part XXXI. Synthesis and attempted cyclisation of polychlorophenyl- and polychloropyridyl-alkanols, 871.
- Fouweather**, Christopher. See **Chexal**, Kuldip K., 1584.
- Fray**, Gordon I., **Geen**, Graham R., **Davies**, David I., **Parfitt**, Leonard T., and **Parrott**, Maxwell J. Reactions of cyclooctatetraene and its derivatives. Part V. Addition of bromotrichloromethane, carbon tetrachloride, and thiophenol to tricyclo[4.2.2.0^{2,5}]deca-3,7-diene-9,10-dicarboxylic anhydride, 729.
- Freear**, John. See **Banks**, Ronald E., 721.
- Friedman**, Gad. Ketone-photoinitiated reactions of formamide with benzene and alkylbenzenes, 441.
- Fringuelli**, Francesco, **Taticchi**, Aldo, **Fernandez**, Franco, **Kirk**, N. David, and **Scopes**, Molly. Stereochemistry of some tricyclo[5.4.0.0^{3,5}]undecane and related isopropyl-decalin derivatives, 1103.
- Frosch**, Jürgen V., **Harrison**, Ian T., **Lythgoe**, Basil, and **Saksena**, Anil K. Calciferol and its relatives. Part XVII. Ring-A components for synthetic work on vitamin D₃ and on model compounds, 2005.
- Frost**, Jonathan R. See **Fitton**, Alan O., 1153.
- Fu**, Peter P., and **Boyer**, Joseph H. Dehydrogenation of secondary formamides, 2246.
- Fuchs**, David S. See **Wong**, John L., 1284.
- Fuganti**, Claudio. See **Casnati**, Giuseppe, 2397.
- Fujita**, Eiichi, **Shibuya**, Masayuki, **Nakamura**, Shigetake, **Okada**, Yasumori, and **Fujita**, Tetsuro. Terpenoids. Part XXVIII. Total synthesis of enmein, 165.
- Fujita**, Eiichi, **Uchida**, Itsuo, and **Fujita**, Tetsuro. Terpenoids. Part XXXII. Structure and stereochemistry of teucvin, a novel norclerodane-type diterpene from *Teucrium viscidum* var. *Miquelianum*, 1547.
- Fujita**, Eiichi. See also **Shibuya**, Masayuki, 178.
- Fujita**, Tetsuro. See **Fujita**, Eiichi, 165, 1547.
- Fujiyama**, Fusako. See **Nishiwaki**, Tarozaemon, 1871.
- Fukada**, Naoaki. See **Takehima**, Tatsuo, 914.
- Fukumoto**, Keiichiro. See **Kametani**, Tetsuji, 861, 1712, 1954, 2141, 2509, 2678.
- Furuta**, T. See **Maki**, Y., 1354.

G

- Gait**, Michael J., **Jones**, A. Stanley, and **Walker**, Richard T. Synthetic analogues of polynucleotides. Part XII. Synthesis of thymidine derivatives containing an oxyacetamido- or an oxyformamido-linkage instead of a phosphodiester group, 1684.
- Gait**, Stephanie F., **Peek**, Michael E., **Rees**, Charles W., and **Storr**, Richard C. Dibenzo[*d,f*][1,2,3]triazepine and the attempted generation of 2,2'-didehydrobiphenyl, 1248.
- Gall**, Ruth E., **Nemorin**, Jacques E., and **Tarasoff**, Leonard jun. 19-Nor and aromatic steroids. Part II. Cleavage of 3-oxygenated 4 β ,19-ethers in the pregnane series leading to 19-norprogesterone, 881.
- Gamba**, A. See **Bianchi**, G., 137.
- Gamba-Invernizzi**, Anna. See **Bianchi**, Giorgio, 1757.
- Gandolfi**, Remo. See **Bianchi**, Giorgio, 137, 1757.
- Garbarino**, Juan A. See **Barton**, Derek H. R., 2101.
- Gardini**, Gian Piero. See **Casnati**, Giuseppe, 2397.
- Gariboldi**, Pierluigi. See **Corbella**, Attilio, 1875.
- Gašpert**, Branko. See **Škarić**, Vinko, 267.
- Gattuso**, Mario. See **Caristi**, Corrado, 679.
- Gawad**, Dilip H. See **Joshi**, Balawant S., 1561.
- Gawroski**, Jacek. See **Klyne**, William, 2565.
- Gay**, Terence B. See **Brown**, Joseph Patrick, 866.
- Gelernt**, Yoshiko, and **Sykes**, Peter. Reaction of nucleophiles with some 2-alkylthio- and 2-acylthio-3-alkylthiazolium salts, 2610.
- Gee**, Robert D. See **Cadogan**, J. I. G., 1694.
- Gent**, Patricia A., and **Gigg**, Roy. The allyl ether as a protecting group in carbohydrate chemistry. Part V. Preparation of benzyl ethers of carbohydrates for use in oligosaccharide synthesis. Part VI. The ether allyl as a 'temporary' protecting group in oligosaccharide synthesis, 1446, 1835.
- Geurtsen**, Bart. See **de Bie**, Dick A., 1363.
- Ghatak**, Usha R., **Chakrabarty**, Sephali, and **Rudra**, Kalpana. Synthetic studies towards complex diterpenoids. Part VIII. Stereo-controlled synthesis of (\pm)-2-methoxy-11 β -methyl-4 α H-gibba-1(10a),2,4-trien-8-one and related compounds through intramolecular alkylations of $\gamma\delta$ -unsaturated α' -diazomethyl ketones, 1957.
- Ghosal**, Shibnath, **Chaudhuri**, Ratan K., and **Markham**, Ken R. Chemical constituents of the gentianaceae. Part XII. Structure of the penta-oxygenated xanthenes of *Canscora decussata* Schult, 2538.
- Ghosh**, Sanat K. See **Nasipuri**, Dhanonjoy, 2720.
- Giacomelli**, Giampaolo. See **Lardicci**, Luciano, 337.
- Giannetto**, Placido D. See **Aversa**, Maria C., 209.
- Gibson**, Martin S. See **Barnish**, Ian T., 215, and **Wolkoff**, Peder, 1173.
- Gibson**, Samuel G. See **Hewett**, Colin L., 1432.
- Gigg**, Roy. See **Gent**, Patricia A., 1446, 1835.
- Gilbert**, Iain M. See **Hewett**, Colin L., 897.
- Gilchrist**, Thomas L., **Nunn**, Eric E., and **Rees**, Charles W. Addition of nitrile oxides to benzocyclobutene. Generation of 3-(*p*-methoxyphenyl)benzo[3,4]cyclobuta[1,2-*d*]isoxazole, a heterocyclic analogue of biphenylene, 1262.
- Giles**, Robin G. F., and **Green**, Ivan R. Synthetic routes to benz[*f*]indenes, 228.
- Giles**, Robin G. F., and **Sargent**, Melvyn V. Photochemical synthesis of phenanthrenes from 2-methoxystilbenes, 2447.
- Giles**, Robin G. F. See also **Cresp**, Terry M., 2435.
- Gilmore**, G. Neil. See **Birchall**, J. Michael, 2530.

- Ginos**, James. See **Katsoyannis**, Panayotis G., 1311.
- Girjavalabhan**, Moopil. See **Allan**, Robin D., 1456.
- Glover**, Edward E., and **Rowbottom**, Kenneth T. Synthesis of 1,1'-dimethyl-4,4'-azo-1,2,4-triazolium and 3,3'-dimethyl-1,1'-azobenzotriazolium salts, 1792.
- Glover**, Edward E., and **Vaughan**, Kenneth D. Synthesis of 7,7'-azoimidazo[2,1-*b*]thiazolium salts, 1137.
- Glover**, Stephen A., and **Goosen**, André, *N*-Iodoamides. Cyclisation of biphenyl-2-carboxamides, 2353.
- Go**, Kuan Tee. See **Joshi**, Balawant S., 2517.
- Godfrey**, Ian M., **Sargent**, Melvyn V., and **Elix**, John A. Preparation of methoxyphenols by Baeyer-Villiger oxidation of methoxybenzaldehydes, 1353.
- Goldberg**, Ora. See **Bachi**, Mario D., 1184.
- Gonsalves**, Antonio M. d'A. Rocha. See **Cavaleiro**, José A. S., 1771.
- Goosen**, André. See **Forbes**, Craig P., 2346, 2350, and **Glover**, Stephen A., 2353.
- Gordon-Gray**, C. Gordon, and **Wells**, R. Bruce. The senecio alkaloids. Structure and absolute configuration of swazine, 1556.
- Gosney**, Ian. See **Cadogan**, J. I. G., 460, 466, 1694.
- Gotoh**, Nobuyuki. See **Ogawa**, Shojiro, 976.
- Gottsegen**, Agnes. See **Farkas**, Loránd, 305.
- Govindachari**, Tuticorin R., **Nagarajan**, Kuppuswamy, **Parthasarathy**, Papagudi C., **Rajagopalan**, Tuticorin G., **Desai**, Haridutt K., **Kartha**, Gopinath, **Chen**, Sow-mei Lai, and **Nakanishi**, Koji. Absolute stereochemistry of ancistrocladine and ancistrocladinine, 1413.
- Govindachari**, Tuticorin R., **Rajagopalan**, Tuticorin G., and **Viswanathan**, Narayanan. Absolute configuration of tylophorine, 1161.
- Govindachari**, Tuticorin R., **Ravindranath**, Kongovi R., and **Viswanathan**, Narayanan. Mappicine, a minor alkaloid from *Mappia foetida* Miers, 1215.
- Govindachari**, Tuticorin R. See also **Joshi**, Balawant S., 2517.
- Gracey**, D. E. Fergus, **Baczynskyj**, Lubomir, **Martin**, Trevor I., and **MacLean**, David B. The constitution of primycin. Part II. The mass spectra of the secoprimecins, 827.
- Gracey**, D. E. Fergus. See also **Fehr**, Theo, 836.
- Gramatica**, Paola. See **Manitto**, Paolo, 1727.
- Granoth**, Itshak. Deoxygenation of aromatic sulphoxides by thionyl chloride in the presence of cyclohexene. Synthesis of substituted phenoxathiins, 2166.
- Grant**, Douglas W., and **Shilton**, Roy. Reaction of bromine with phenyl-substituted tertiary alcohols, 135.
- Greatbanks**, David. See **Jacques**, David, 2663.
- Green**, Clinton L., **Houghton**, Roy P., and **Phipps**, David A. Reactions of co-ordinated ligands. Part VII. Reactions of co-ordinated thiol esters and thiolate anions, 2623.
- Green**, Graham R. See **Fray**, Gordon I., 729.
- Green**, Ivan R. See **Giles**, Robin G. F., 228.
- Green**, Richard H. See **Atkinson**, Robert S., 394.
- Green**, Alexander T. See **Le Count**, David J., 297.
- Griffin**, I. M. See **Bloodworth**, A. J., 688.
- Griffiths**, John, and **Hawkins**, Christopher. Photochemical substitution of methoxyanthraquinones with amines and other nucleophiles, 2283.
- Grimshaw**, James, and **Trocha-Grimshaw**, Jadwiga. Electrochemical reactions. Part XVII. Selective dehalogenation of styrylpyrazoline and styrylpyrazole derivatives, 1383.
- Grimshaw**, James. See also **Begley**, William J., 2633.
- Grove**, John Frederick. See **Blight**, Margaret M., 1691.
- Grundon**, Michael F., **Harrison**, David M., and **Syropoulos**, Caroline G. Biosynthesis of aromatic isoprenoids. Part II. Aromatic hydroxylation in the biosynthesis of the furoquinoline alkaloids, skimmianine, evoxine, and chosiyne, 2181.
- Grundon**, Michael F. See also **Collins**, James F., 2177.
- Guanti**, Giuseppe, **Dell'Erba**, Carlo, **Leandri**, Giuseppe, and **Thea**, Sergio. Reaction of 2-nitrothiophen with secondary aliphatic amines, 2357.
- Guiffre**, Luigi. See **Tempesti**, Ezio, 771.
- Guillén**, Manuel Gómez. See **Sánchez**, Antonio Gómez, 1237.
- Gurney**, Frederick W. See **Wood**, Hamish C. S., 1225.
- Guthrie**, R. D., and **Liebmann**, John A. Nitrogen-containing carbohydrate derivatives. Part XXX. Preparation and reactions of methyl 4,6-*O*-benzylidene-2,3-dideoxy-2,3-epimino-*D*-gulo- and -*D*-talopyranosides, 650.
- Guthrie**, R. D. See also **Brewer**, Christopher L., 657, and **Creasey**, Susan E., 1373.
- Guziec**, Frank S. jun. See **Barton**, Derek H. R., 1794.

H

- Haddad**, Yousif M. Y., **Henbest**, H. Bernard, **Husbands**, June, **Mitchell**, Thomas R. B., and **Trocha-Grimshaw**, Jadwiga. Aspects of catalysis. Part III. Soluble iridium-containing catalysts for the reduction of cyclohexanones by propan-2-ol and for the formation of ethers from cyclohexanones (or enol esters) and alcohols, 596.
- Haddad**, Yousif M. Y., **Henbest**, H. Bernard, and **Trocha-Grimshaw**, Jadwiga. Aspects of catalysis. Part II. Dimethyl sulphoxide complexes of iridium(III) including hydrides, 592.
- Haddadin**, Makhluif J. See **Zamet**, Jean-Jacques, 1687.
- Hadley**, Michael S., and **Halsall**, Thomas G. Rearrangement of epoxides. Part I. Preparation and rearrangement of the α - and β -epoxides of 14,15-bisnorlabd-8-en-13(*R* and *S*)-yl acetates and of related epoxides, 1334.
- Haga**, Seiji. See **Kametani**, Tetsuji, 2602.
- Hales**, Neil J., **Heaney**, Harry, and **Ley**, Steven V. Rearrangement reactions of bicyclic systems. Part III. Acid-catalysed rearrangements of 1,4-dihydro-1-methoxy-1,4-ethenonaphthalene (1-methoxybenzobarrelene) and its 5,6,7,8-tetrahalogeno-derivatives, 2702.
- Hales**, Neil J. See also **Buxton**, P. Christopher, 2681.
- Halsall**, Thomas G. See **Hadley**, Michael S., 1334.
- Hamilton**, S. Dennis. See **Bacon**, Reginald G. R., 1965, 1970, 1975.
- Hankinson**, Barry. See **Buxton**, P. Christopher, 2681.
- Hankovszky**, Olga H., **Hideg**, Kálmán, and **Lloyd**, Douglas. Reaction products from 4-phenylbut-3-yn-2-one and aliphatic diamines or 2-aminoethanethiol, and from 2-aminoethanethiol and some $\alpha\beta$ -enones, 1619.
- Hann**, Richard A. Use of dimethylformamide as a solvent for the Knoevenagel reaction, 1379.
- Hanson**, James R., **Marten**, Tim, and **Siverns**, Michael. Studies in terpenoid biosynthesis. Part XII. Carbon-13 nuclear magnetic resonance spectra of the trichothecanes and the biosynthesis of trichothecolone from [2-¹³C]-mevalonic acid, 1033.
- Hanson**, James R., **Savona**, Guisepppe, and **Siverns**, Michael. ¹³C Nuclear magnetic resonance spectra and microbiological hydroxylation of 7 α - and 7 β -hydroxykaurenolide, 2001.

- Hanson, James R., and Wilkins, Hazel J.** Some alternative pathways leading to the aromatization of ring A of steroids, 1388.
- Hanson, James R.** See also **Evans, Roger**, 857.
- Harding, Alexander E.** See **Connolly, Joseph D.**, 2487.
- Hardy, Paul M., Prout, R. Aubrey, and Rydon, H. N.** Polypeptides. Part XXIV. Synthesis of isariic acid. Part XXV. Synthesis of isariin, 796, 802.
- Harger, Martin J. P.** Photolysis of 1-azidophosphetan oxides: ring expansion to 2-methoxy-1,2-azaphospholidine 2-oxides and ring opening to methyl alkenylphosphonamides in methanol, 2604.
- Harger, Martin J. P.** See also **Atkinson, Robert S.**, 2619.
- Harris, Ronald L.** See **Barton, Derek H. R.**, 2344.
- Harrison, David M.** Oxidation of 2,3-dimethyl-6-nitroindole by chromic acid-aqueous formamide: a correction, 2609.
- Harrison, David M.** See also **Grundon, Michael F.**, 2181.
- Harrison, Roger G., Lythgoe, Basil, and Wright, Paul W.** Calciferol and its relatives. Part XVIII. Total synthesis of 1 α -hydroxy-vitamin D₃, 2654.
- Harrison, Ian T.** Preparation of rotaxanes by the statistical method, 301.
- Harrison, Ian T.** See also **Frosch, Jürgen V.**, 2005.
- Harrison, John M., Inch, Thomas D., and Lewis, Gilbert J.** Use of carbohydrate derivatives for studies of phosphorus stereochemistry. Part III. Stereochemical course of nucleophilic displacements of 2-substituents in 1,3,2-dioxaphosphorinan-2-ones and related compounds, 1053.
- Harrison, John M.** See also **Brook, Peter R.**, 778, 927, and **Cooper, David B.**, 1049, 1058.
- Haslam, Edwin.** See **Jacques, David**, 2663.
- Hassall, Cedric H.** See **Al-Hassan, Jassim**, 2342.
- Haszeldine, Robert N., Hewitson, Barry, and Tipping, Anthony E.** Perfluoroalkyl derivatives of sulphur. Part XVI. Photochemical reactions of trifluoroiodoethylene and long-chain polyfluoromonoiodoalkanes with dimethyl disulphide. Long-chain polyfluoroalkanesulphonic acids, 1706.
- Haszeldine, Robert N., McAllister, James R., and Tipping, Anthony E.** Addition of free radicals to unsaturated systems. Part XXI. Reactions of 1*H*-pentafluoropropene with bromine, hydrogen bromide, and trifluoroiodomethane under free-radical conditions, 1303.
- Haszeldine, Robert N., Pool, Colin R., and Tipping, Anthony E.** Polyfluoroalkyl compounds of silicon. Part XI. Reactions of trichloro- and of trimethyl-silane with tetrafluoro- and with 3,3,3-trifluoro-propyne, 2293.
- Haszeldine, Robert N., Scott, David L., and Tipping, Anthony E.** Carbene chemistry. Part III. Reactions of diazomethyltrimethylsilane, 1440.
- Haszeldine, Robert N., Tipping, Anthony E., and Watts, Richard O'B.** Organosilicon chemistry. Part XIII. Insertion reactions of 1,2,2-trifluoroethylidene into silicon-hydrogen and silicon-halogen bonds, 2391.
- Haszeldine, Robert N.** See also **Banks, Ronald E.**, 721, 1266, 2367, 2532, **Barlow, Michael G.**, 1736, and **Birchall, J. Michael**, 1715, 1740, 2530.
- Hata, Toju.** See **Omura, Satoshi**, 1627.
- Hawkins, Christopher.** See **Griffiths, John**, 2283.
- Hawkins, Edwin G. E., and Large, Robert.** Dehydrodimerisation of ketones by nickel peroxide, 280.
Reactions of organic peroxides. Part XX. Peroxides from bicycloalkyl-2,2'-diones and hydrogen peroxide, 2561.
- Hayashi, Toshio.** See **Takehima, Tatsuo**, 914.
- Hayward, Rodney C.** See **Cambie, Richard C.**, 1120, 1858, 1864.
- Heacock, Ronald A.** See **Forrest, Janet E.**, 205.
- Heaney, Harry, and Ley, Steven V.** Aryne chemistry. Part XXXV. Reactions of arynes with 1-aminocycloalkenes and hydrolyses of the adducts, 2693.
Rearrangement reactions of bicyclic systems. Part II. Rearrangements of the 1-dimethylamino-5,6,7,8-tetrahalogeno-1,4-dihydro-1,4-ethenonaphthalene derivatives and the analogous 5,6,7,8-tetrafluoro-1,4-dihydro-*N*-methyl-1,4-iminonaphthalene in aqueous solutions. Part IV. Acid-catalysed rearrangements of 5,6,7,8-tetrafluoro-1,4-dihydro-1-methoxy-3,9-dimethyl-1,4-ethenonaphthalene (1-methoxy-3,5-dimethyltetrafluorobenzobarrelene), 2698, 2711.
- Heaney, Harry.** See also **Hales, Neil J.**, 2702, **Brewer, John P. N.**, 2688, and **Buxton, P. Christopher**, 2681, 2695.
- Hearn, Milton T. W., Jones, Sir Ewart R. H., Thaller, Viktor, and Turner, John L.** Natural acetylenes. Part XLVI. Polyacetylenes from cultures of the fungus *Lepista glaucocana* (Bres.) Singer, 2335.
- Hearn, Milton T. W.** See also **Ahmed, Mahtabuddin**, 1981.
- Hedden, Peter, MacMillan, Jake, and Phinney, Bernard O.** Fungal products. Part XII. Gibberellin A₁₄-aldehyde, an intermediate in gibberellin biosynthesis in *Gibberella fujikuroi*, 587.
- Heitz, Frederic.** See **Caille, Anita**, 1621.
- Heller, Harry G., and Megit, Robert M.** Overcrowded molecules. Part IX. Fatigue-free photochromic systems involving (*E*)-2-isopropylidene-3-(mesitylmethylene)succinic anhydride and *N*-phenylimide, 923.
- Heller, Harry G., and Szweczyk, Mark.** Synthesis, stereochemistry, and isomerisation of α -phenylethylidene-succinic esters and related compounds, 1483.
Overcrowded molecules. Part X. Photoreactions of photochromic (α -phenylethylidene)(substituted methylene)succinic anhydrides, 1487.
- Helmy, Essam.** See **Jones, D. Neville**, 937.
- Henbest, H. Bernard, and Trocha-Grimshaw, Jadwiga.** Aspects of catalysis. Part IV. Hydrogen transfer from propan-2-ol to $\alpha\beta$ -unsaturated ketones catalysed by a soluble hydrido-iridium complex. Isolation of a compound containing a carbon-iridium bond and a chelated keto-group. Part VI. Oxidations of sulphoxides and dioxan by dioxygen, 601, 607.
- Henbest, H. Bernard, and Zurqiyah, Ahmed.** Aspects of catalysis. Part V. Stereoselectivity in the transition metal-catalysed transfer of hydrogen to cyclohexanones, 604.
- Henbest, H. Bernard.** See also **Haddad, Yousif M. Y.**, 592, 596.
- Hepburn, Stuart P.** See **Forrester, Alexander R.**, 2208, 2213.
- Herbert, John A. L., and Suschitzky, Hans.** Syntheses of heterocyclic compounds. Part XXIX. Substituted 2,3-dihydro-1*H*-1,5-benzodiazepines, 2657.
- Herbert, Richard B.** See **Battersby, Alan R.**, 1394.
- Hermez, Istvan.** See **Náray-Szabó, Gábor**, 1753.
- Herscovici, Jean, and Antonakis, Kostas.** 4'-Oxo-nucleosides. Synthesis and properties of 6-chloro-9-(6-deoxy- α -L-lyxo-hexopyranos-4-ulosyl)purine and the corresponding 7-glycosyltheophylline, 979.
- Herz, Josef E., Márquez, Lilia A., and Sjövall, Jan.** Preparation of 5 α -[3 β -²H]cholestan-3 α -ol by isomerization reactions, 1438.

- Hesse, Robert H.** See **Barton, Derek H. R.**, 732, 739, 2095, 2344.
- Hewett, Colin L., Gibson, Samuel G., Redpath, James, and Savage, David S.** 18-Norandrosta-8,11,13-trienes. Part III. 1-Amino-derivatives, 1432.
- Hewett, Colin L., Gilbert, Iain M., Redpath, James, Savage, David S., Strachan, John, Sleigh, Thomas, and Taylor, Robert.** 18-Norandrosta-8,11,13-trienes. Part II. Aromatisation of 18-norandrosta-13-enes by bromination and dehydrobromination, 897.
- Hewett, Colin L.** See also **Campbell, Alex C.**, 1799.
- Hewitson, Barry.** See **Haszeldine, Robert N.**, 1706.
- Hickmott, Peter W., Cox, Philip J., and Sim, George A.** Enamine chemistry. Part XIX. Stereochemistry of the transition state of the reaction of $\alpha\beta$ -unsaturated acid chlorides with enamines: crystal structure of 1-methyl-7-*exo*-t-butylbicyclo[3.3.1]nonane-2,9-dione, 2544.
- Hidég, Kálmán.** See **Hankovszky, Olga H.**, 1619.
- Higa, Tatsuo, and Scheuer, Paul J.** Hawaiian plant studies. Part XVI. Coumarins and flavones from *Pelea barbiger* (Gray) Hillebrand (Rutaceae), 1350.
- Higham, Cathryn A., Jones, Sir Ewart R. H., Keeping, John W., and Thaller, Viktor.** Natural acetylenes. Part XLV. Polyacetylenes from cultures of the fungus *Collybia peronata* (Bolt. *ex Fr.*) Kummer, 1991.
- Higham, Cathryn A.** See also **Bentley, Roger K.**, 1987.
- Hignett, Geoffrey J.** See **Cohylakis, Dimitrios**, 1518.
- Hiiragi, Mineharu.** See **Kametani, Tetsuji**, 2602.
- Hill, Peter A.** See **Bailey, A. Sydney**, 967.
- Hirai, Yoshiro.** See **Kametani, Tetsuji**, 2141.
- Hiramatsu, Toshiyuki.** See **Sasaki, Tadashi**, 1213.
- Hirata, Shoji.** See **Kametani, Tetsuji**, 2509.
- Hirtzbach, Francois de Reinach.** See **Poyser, J. Philip**, 378.
- Hlubucek, Joseph R., Hora, Jiri, Russell, Stephen W., Toube, Trevor P., and Weedon, Basil C. L.** Carotenoids and related compounds. Part XXIX. Stereochemistry and synthesis of the allenic end group. Absolute configuration of zeaxanthin, 848.
- Hodge, Philip.** See **Davies, David G.**, 2399, 2403.
- Hodgson, Gordon L.** See **Eck, Charles R.**, 1938.
- Hodgson, Philip K. G.** See **Chadwick, Derek J.**, 1141.
- Hoey, James G.** See **Donnelly, John A.**, 1218.
- Hohnjec, Marijan.** See **Škarić, Vinko**, 267.
- Holcomb, William D.** See **Abramovitch, Rudolph A.**, 2169.
- Holker, John S. E., Lapper, Roy D., and Simpson, Thomas J.** The biosynthesis of fungal metabolites. Part IV. Taji-xanthone: ^{13}C nuclear magnetic resonance spectrum and feedings with $[1-^{13}\text{C}]$ - and $[2-^{13}\text{C}]$ -acetate, 2135.
- Holker, John S. E.** See also **Chexal, Kuldip K.**, 1584.
- Holland, Herbert L.** See **Fehr, Theo**, 836.
- Holleyhead, Robin.** See **Bonnett, Raymond**, 962.
- Holmes, Thomas F.** See **Chambers, Richard D.**, 108, 114.
- Holt, Anthony V.** See **Banks, Ronald E.**, 2532.
- Holt, Geoffrey.** See **Dart, Edward C.**, 1403, and **Flowers, William T.**, 1116.
- Hooper, Donald L., and Dauphinee, Gerald A.** The monoacetyl derivatives of phenylglyoxal bisarylhydrazones, 14.
- Hope, Derek B.** See **Wälti, Manfred**, 202.
- Hope, Michael A.** See **Flowers, William T.**, 1116.
- Hopkins, Barrie J., and Perold, Guido W.** (S)-2-Hydroxycuparene [*p*-(1,2,2-trimethylcyclopentyl)-*o*-cresol] and 3,4'-ethylenebisphenol from a liverwort, *Marchantia polymorpha* Linn, 32.
- Hora, Jiri.** See **Hlubucek, Joseph R.**, 848.
- Hosoney, R. Carl.** See **Seib, Paul A.**, 1220.
- Hosokami, T.** See **Maki, Y.**, 1354.
- Hough, Leslie.** See **Durette, Philippe L.**, 88, 97.
- Houghton, Leonard E.** See **Clinging, Robert**, 66.
- Houghton, Roy P.** See **Green, Clinton L.**, 2623.
- Howarth, T. Trefor, Jackson, Anthony H., Judge, Jean, Kenner, George W., and Newman, David J.** Pyrroles and related compounds. Part XXVI. Pyrrole β -keto-esters, 490.
- Howarth, T. Trefor, Jackson, Anthony H., and Kenner, George W.** Pyrroles and related compounds. Part XXVII. Syntheses of porphyrins with a nuclear carboxy-group, 502.
- Howarth, T. Trefor.** See also **Cox, Michael T.**, 512.
- Hudson, Harry R., Rees, Ronald G., and Weekes, Joseph E.** Quasiphosphonium intermediates. Part I. Preparation, structure, and nuclear magnetic resonance spectroscopy of triphenyl and trineopentyl phosphite-alkyl halide adducts, 982.
- Hudson, Paul.** See **Baldock, Roger W.**, 1422.
- Hull, Roy.** See **Boyle, Francis T.**, 1541.
- Humber, Manda.** See **Abramovitch, Rudolph A.**, 2589.
- Humphreys, David J.** See **Carpenter, Philip D.**, 1527.
- Hunt, Keith.** See **Brook, Peter R.**, 927.
- Hurlbert, B. Stuart.** See **Wood, Hamish C. S.**, 1225.
- Husbands, June.** See **Haddad, Yousif M. Y.**, 596.

I

- Ibrahim, Badreldin.** See **Dennis, Nicholas**, 1883.
- Iddon, Brian, Suschitzky, Hans, and Taylor, David S.** Condensed thiophen ring system. Part XIV. Photolysis of azidobenzo[*b*]thiophens in secondary amines. Part XVII. A new synthesis of 10*H*-indeno[1,2-*b*][1]benzothiophen, 579, 2505.
- Iddon, Brian, Suschitzky, Hans, Taylor, David S., and Chippendale, Kevan E.** Condensed thiophen ring systems. Part XVI. Derivatives of 11*H*-([1]benzothieno[2,3-*b*][1]-benzothiopyran, 2500.
- Iddon, Brian, Suschitzky, Hans, Taylor, David S., and Pickering, Michael W.** Condensed thiophen ring systems. Part XIII. Synthesis of azidobenzo[*b*]thiophens and their conversion into thienobenzoxazoles, 575.
- Iddon, Brian, Suschitzky, Hans, and Thompson, Alan W.** Polyhalogeno-aromatic compounds. Part XXXIII. Structures of polyhalogenopyridine-2(and 4)-thiols, polyhalogenopyridin-2(and 4)-ols, and their *N*- and *S*(or *O*)-methyl derivatives, 2307.
- Iddon, Brian, Suschitzky, Hans, Thompson, Alan W., and Ager, Ernest.** Polyhalogeno-aromatic compounds. Part XXXII. Synthesis and some reactions of tetrachloropyridine-2-thiol and related compounds, 2300.
- Iddon, Brian.** See also **Chippendale, Kevan E.**, 1168.
- Ienega, Kazuharu.** See **Brown, Desmond J.**, 372.
- Iijima, Ikuo.** See **Tanaka, Tadasu**, 2110, 1593.
- Iizuka, Kinzi.** See **Sasaki, Tadasi**, 933.
- Iles, David H.** See **Beresford, Phillip**, 276.
- Immirzi, Attilio.** See **Corbella, Attilio**, 1875.
- Inch, Thomas D.** See **Cooper, David B.**, 1043, 1049, 1058, and **Harrison, John M.**, 1053.
- Ingram, Alexander S., Reid, David H., and Symon, John D.** Studies of heterocyclic compounds. Part XV. Synthesis and structure of 6a-thia-1,6-diazapentalenes (isothiazolo[5,1-*e*]isothiazoles), 242.

- Ingram**, Alexander S. See also **Christie**, Robert M., 722.
Inoue, Seiichi, **Saito**, Kenji, **Kato**, Kazumasa, **Nozaki**, Sadao, and **Sato**, Kikumasa. Selective synthesis of mono-methyltocols *via* η -allylnickel complexes, 2097.
Irwin, W. J., and **Wibberley**, D. G. Pyrrolo[1,2-*a*]quinolines. A re-investigation, 250.
Ishimaru, Haruhide. See **Kametani**, Tetsuji, 2602.
Issidorides, Costas H. See **Zamet**, Jean-Jacques, 1687.
Iwakuma, Takeo. See **Tanaka**, Tadasu, 1593.

J

- Jackman**, Graham P. See **Barton**, Derek H. R., 739.
Jackson, Anthony H., **Kenner**, George W., and **Wass**, John. Pyrroles and related compounds. Part XXV. Pempptoporphyrin, isopempptoporphyrin, and chlorocruoroporphyrin (*Spirographis* porphyrin), 480.
Jackson, Anthony H., **Stewart**, George W., **Charnock**, George A., and **Martin**, Joseph A. Phenol oxidation. Part III. Synthesis of the benzyloquinoline alkaloid cularine, 1911.
Jackson, Anthony H. See also **Birch**, Anthony J., 2185, 2190, **Cox**, Michael T., 512, 516, and **Howarth**, T. Trefor, 490, 502.
Jackson, Malcolm R. See **Aldridge**, David C., 1540.
Jackson, Richard A. See **Eaborn**, Colin, 2055.
Jacques, David, **Haslam**, Edwin, **Bedford**, Geoffrey R., and **Greatbanks**, David. Plant proanthocyanidins. Part II. Proanthocyanidin-A2 and its derivatives, 2663.
Jain, Amolak Chand, and **Anand**, Surendra Mohan. Claisen rearrangement of 1-hydroxy-3-(3-methylbut-2-enyloxy)-xanthenes, 329.
Jain, Rup C. See **Aberhart**, John, 816, and **Fehr**, Theo, 836.
Jakubowski, Ann A. See **Omura**, Satoshi, 1627.
James, Brian G., and **Pattenden**, Gerald. Regiospecificity of methylation of unsymmetrical stilbenes by methylsulphinylmethane, 1195.
 One-stage double methylene transfer reactions from methylsulphinylmethane to activated double bonds. Mimetic of *in vivo* C-ethylation, 1204.
James, Kevin J. See **Collins**, James F., 2177.
James, Norman F. See **Elliott**, Michael, 2470.
Jenkins, Ian D. See **Eaborn**, Colin, 870.
Jenkins, John K. See **Bentley**, Roger K., 1987.
Jerina, Donald M., and **Smith**, John R. Lindsay. Synthesis of benzo[*a*]pyren-1-ol, 1702.
Jesudason, Malini V., and **Owen**, Leonard N. Dithiols. Part XXIV. Proof of the epoxide chirality in 2,3-epoxypropyl β -D-glucopyranoside by correlation with (*R*)-2,3-thiocarbonyldithiopropanol, 1443.
 Thio-sugars. Part VI. Syntheses of episulphides by reaction of methyl 2,3- and 3,4-anhydroglycopyranosides with potassium thiocyanate or thiourea. Part VII. Syntheses of trithiocarbonates by reaction of methyl 2,3- and 3,4-anhydroglycopyranosides with sodium methyl xanthate, 2019, 2024.
Johnson, Alan W. See **Coulon**, J. Michael, 713.
Jommi, Giancarlo. See **Corbella**, Attilio, 1875.
Jones, A. Stanley. See **Gait**, Michael J., 1684.
Jones, D. Neville, **Blenkinsopp**, John, **Edmonds**, Anthony C. F., **Helmy**, Essam, and **Taylor**, Richard J. K. Steroidal sulphur compounds. Part X. Chiroptical properties of steroidal allyl sulphoxides, 937.
Jones, D. Neville, **Lewton**, Derek A., **Msonthi**, Jerome D., and **Taylor**, Richard J. K. Steroidal sulphur compounds. Part XI. 4-Thia-5- α and 5 β -cholestane and their oxides and dioxides, 2637.
Jones, David W., and **Wife**, Richard L. *o*-Quinonoid compounds. Part VII. 1,4-Diphenyl-2,3-naphthoquinone, 1.
Jones, David W. See also **Cookson**, Richard C., 1767.
Jones, Sir Ewart R. H., **Meakins**, G. Denis, **Pragnell**, John, **Müller**, Wilhelm E., and **Wilkins**, Alistair L. Studies in the steroid group. Part LXXXV. Convenient preparations of 3,6- and 6,17-dioxygenated 5 α -androstanes, 2376.
Jones, Sir Ewart R. H. See also **Ahmed**, Mahtabuddin, 1981, and **Ashton**, Michael J., 1658, 1665, **Bell**, Alan M., 312, **Bentley**, Roger K., 1987, **Hearn**, Milton T. W., 2335, and **Higham**, Cathryn A., 1991.
Jones, Geraint, **Raphael**, Ralph A., and **Wright**, Susan. Stereo-controlled synthesis of prostaglandin synthons, 1676.
Jones, Gurnos, and **Phipps**, John R. Syntheses with isoxazoles. Part III. Rearrangement of 4,5,6,7-tetrahydro-4-hydroxyiminoisoxazolo-[2,3-*a*]pyridinium salts into derivatives of pyrrolo[3,2-*b*]pyridin-2-one, 158.
Jones, Gurnos. See also **Carde**, Robert N., 2066.
Jones, Gurnos. See **Cliff**, Geoffrey R., 2072.
Jones, John H. See **Bell**, John R., 1961, 2336.
Jones, Martin, **Temple**, Patrick, **Thomas**, Eric J., and **Whitham**, Gordon H. Synthesis of olefins by base-induced fragmentation of 2-phenyl-1,3-oxathiolans, 433.
Jones, Richard T. See **Ellis**, Gwynn P., 903.
Jones, Raymond V. H., **Kenner**, George W., and **Smith**, Kevin M. Pyrroles and related compounds. Part XXXI. Porphyrin ketones, 531.
Joshi, Balawant S., **Kamat**, Venkatesh N., **Gawad**, Dilip H. Clausidine, a novel cyclopropylcoumarin, 1561.
Joshi, Balawant S., **Kamat**, Venkatesh N., **Govindachari**, Tuticorin R., **Pai**, B. Ramachandra, **Kartha**, Gopinath, and **Go**, Kuan Tee. Structure of wightionolide chemical and X-ray analysis, 2517.
Joule, John A. See **Cohylakis**, Dimitrios, 1518.
Judge, Jean. See **Howarth**, T. Trefor, 490.

K

- Kam**, Lin C. See **Broxton**, Trevor J., 1769.
Kamat, Venkatesh N. See **Joshi**, Balawant S., 1561, 2517.
Kametani, Tetsuji, **Ebetino**, Frank F., and **Fukumoto**, Keiichiro. Nitrene. Part XIII. Novel conversion of 2-nitrophenyl substituted butyrolactones into indoles with triethyl phosphite, 861.
Kametani, Tetsuji, **Hirata**, Shoji, **Satoh**, Fumio, and **Fukumoto**, Keiichiro. Synthetic approach to rhoeadine-type alkaloids, 2509.
Kametani, Tetsuji, **Katoh**, Yasuyuki, and **Fukumoto**, Keiichiro. Regioselectivity in the thermal 1,2-cycloaddition of benzocyclobutenes to 3,4-dihydroisoquinolines, 1712.
Kametani, Tetsuji, **Kigasawa**, Kazuo, **Hiiragi**, Mineharu, **Ishimaru**, Haruhide, and **Haga**, Seiji. Studies on the syntheses of heterocyclic compounds. Part DLXXXVII. Synthesis of 2,3,4,5-tetrahydro-1*H*-benzazepine derivatives by phenolic cyclisation, 2602.

- Kametani, Tetsuji, Takeda, Hiromitsu, Hirai, Yoshiro, Satoh, Fumio, and Fukumoto, Keiichiro.** A simple route to spiro[indene-2,1'-isoquinoline]s, a spiro[indene-2,1'- β -carboline], and hexadehydroyohimbane, 2141.
- Kametani, Tetsuji, Takemura, Makoto, Fukumoto, Keiichiro, Terui, Tsunekazu, and Kozuka, Atsuto.** Studies on the syntheses of heterocyclic compounds. Part DLXXXVII. An abnormal Hofmann degradation of phenolic berberium salts, 2678.
- Kametani, Tetsuji, Ujiie, Akira, and Fukumoto, Keiichiro.** Total synthesis of (\pm)-mecambridine (1,10-11, trimethoxy-2,3-methylenedioxyberberin-12-ylmethanol), 1954.
- Kanematsu, Ken.** See **Sasaki, Tadasi**, 933, 1213.
- Karim, Amna, and McKervey, M. Anthony.** Bridgehead reactivity in protoadamantane. Ionic bromination, 2475.
- Kartha, Gopinath.** See **Govindachari, Tuticorin R.**, 1413, and **Joshi, Balawant S.**, 2517.
- Katagiri, Michiko.** See **Omura, Satoshi**, 1627.
- Kato, Kazumasa.** See **Inone, Seiichi**, 2097.
- Katoh, Yasuyuki.** See **Kametani, Tetsuji**, 1712.
- Katritzky, Alan R., and Soti, Ferenc.** Stable free radicals. Part II. Some substituted pyridinyls, 1427.
- Katritzky, Alan R.** See also **Baldock, Roger W.**, 1422, and **Dennis, Nicholas**, 746, 750, 1883.
- Katsouyannis, Panayotis G., Ginos, James, Schwartz, Gerald P., and Cosmatos, Alexandros.** Synthesis of a biologically active truncated insulin. Des(pentapeptide B²⁶⁻³⁰) human (porcine) insulin, 1311.
- Kawano, Nobusuke.** See **Moriyama, Shigeki**, 2132.
- Keeping, John W.** See **Higham, Cathryn A.**, 1991.
- Kellie, George M.** See **Bellamy, Anthony J.**, 2417.
- Kennedy, John F., and Rosevear, Alan.** Improvement of the enzyme immobilisation characteristics of macroporous cellulose *trans*-2,3-carbonate by pre-swelling in dimethyl sulphoxide, 757.
- Kenner, George W., McCombie, Stuart W., and Smith, Kevin M.** Pyrroles and related compounds. Part XXX. Cyclisation of porphyrin β -keto-esters to phaeoporphyrins, 527.
- Kenner, George W.** See also **Cavaleiro, José A. S.**, 1188, 1771, **Cox, Michael T.**, 512, 516, **Howarth, T. Trefor**, 490, 502, **Jackson, Anthony H.**, 480, and **Jones, Raymond V. H.**, 531.
- Kerr, Geoffrey, H., Meth-Cohn, Otto, Mullock, Ernest B., and Suschitzky, Hans.** Reactions of *NN*-dialkylanilines with diethyl azodicarboxylate and with ozone, 1614.
- Kershaw, John R.** See **Uff, Barrie C.**, 1146.
- Kershaw, Melvyn J.** See **Barlow, Michael G.**, 1736.
- Khan, Mazhar Ali, and Rafla, Fathi Kamel.** Synthesis and reactions of potassium cyanoacetohydroxamate, 327.
- Khandelwal, Ghanshyam D., Swan, George A., and Roy, Ram B.** Dehydrogenation of some aromatic tertiary amines by gamma radiation and by peroxides, 891.
- Khattak, Ismail, and Kirk, David N.** 5 α -Androst-6-ene derivatives as intermediates for labelling with isotopic hydrogen, 2010.
- Kigasawa, Kazuo.** See **Kametani, Tetsuji**, 2602.
- Kiguchi, Toshiko.** See **Nimomiya, Ichiya**, 1747.
- King, Graham S., and Waight, Eric S.** Synthesis and mass spectra of some $\alpha\beta$ -unsaturated γ -lactones and γ -lactams, 1499.
- King, R. Bruce, and Efraty, Avi.** Addition of phosphorus-hydrogen and arsenic-hydrogen bonds to vinyl isocyanide, 1371.
- Kirk, Barrie E., and Taylor, David R.** Allene cycloadditions. Part V. Temperature dependence of product distribution in alkylallene-alkyne reactions, 1844.
- Kirk, Barrie E.** See also **Chia, Hock-Ann**, 1209.
- Kirk, David N., and Klyne, William.** Optical rotatory dispersion and circular dichroism. Part LXXXII. An empirical analysis of the circular dichroism of decalones and their analogues, 1076.
- Kirk, David N., and Mullins, Richard J.** Optical rotatory dispersion and circular dichroism. Part LXXX. Circular dichroism of the ethylidene-cyclohexane system, 14.
- Kirk, David N.** See also **Bartlett, Lynne**, 2219, **Burnett, Raymond D.**, 284, **Fernandez, Franco**, 18, **Fringuelli, Francesco**, 1103, **Khattak, Ismail**, 2010.
- Kita, Yasuyuki.** See **Tamura, Yasumitsu**, 102, 105, 1125, 2053.
- Kitagawa, Isao.** See **Dahanayake, Mahilal**, 2510.
- Kiyokawa, Hiroshi.** See **Tamura, Yasumitsu**, 1125, 2053.
- Klein, Joseph.** See **Stollar, Hyman**, 1763.
- Klyne, William, Scopes, P. Molly, Thomas, R. Nigel, Skolik, Jerzy, Gawroski, Jacek, and Wiewiorowski, Maciej.** Chiroptical studies. Part LXXXVII. Circular dichroism of some sparteine alkaloids, 2565.
- Klyne, William.** See also **Kirk, David N.**, 1076.
- Knaus, Gerald N.** See **Abramovitch, Rudolph A.**, 2169.
- Kondo, Kiyosi, Liu, Yuchin, and Tunemoto, Daiei.** Preparation and reaction of sulphonium ylides stabilized by a phosphinyl substituent, 1279.
- Kozuka, Atsuto.** See **Kametani, Tetsuji**, 2678.
- Kretschmer, Hans O.** See **Chakrabarty, Sujit K.**, 222.
- Kricka, Larry, Lambert, Martyn C., Ledwith, Anthony.** Reactions of condensed *N*-heteroaromatic molecules. Part III. Photochemical reactivity and acylation of *N*-acyldibenz[*b,f*]azepines and derivatives, 52.
- Kricka, Larry J.** See also **Bell, Frederick A.**, 1788, and **Beresford, Phillip**, 276.
- Kulevsky, Norman.** See **Forster, Roy**, 1318.

L

- Lačan, Goran.** See **Škarič, Vinko**, 267.
- Lacy, Philip H., and Smith, Donald C. C.** Preparation and dimerisation of 2-phenylinden-1-one, 2617.
- Ladkani, David.** See **Rappoport, Zvi**, 2595.
- Lam, Joseph K. K., and Sargent, Melvyn V.** Synthesis of methyl tri-*O*-methylptilometrate (methyl 1,6,8-trimethoxy-3-propylantraquinone-2-carboxylate), 1417.
- Lambert, Martyn C.** See **Kricka, Larry J.**, 52.
- Lamberton, Alexander H., Porter, Roger D., and Yusuf, Hafiz M.** Nitramines and nitramides. Part XVII. Reactions with dicyclohexylcarbodi-imide, 956.
- Landor, Stephen R., Miller, Brian J., Regan, John P., and Tatchell, Austin R.** Asymmetric syntheses. Part VIII. Asymmetric synthesis of β -allenic alcohols with the lithium aluminium hydride-3-*O*-benzyl-1,2-*O*-cyclohexylidene- α -D-glycofuranose complex; determination of the absolute configuration of marasin (nona-3,4-diene-6,8-diyn-1-ol) and 9-methylmarasin (deca-3,4-diene-6,8-diyn-1-ol), 557.
- Landor, Stephen R., Sonola, Obuntunji O., and Tatchell, Austin R.** Synthesis of aziridines by reduction of oximes and *O*-alkyl oximes with sodium dihydrobis-(2-methoxy-ethoxy)aluminate, 1294.
- Asymmetric syntheses. Part IX.** Reduction of ketone oximes and their *O*-substituted derivatives with the lithium aluminium hydride-3-*O*-benzyl-1,2-*O*-cyclohexylidene- α -D-glycofuranose complex to give optically active amines, 1902.

- Landor**, Stephen R. See also **Evans**, R. James D., 552.
- Lapper**, Roy D. See **Holker**, John S. E., 2135.
- Lardicci**, Luciano, **Battistini**, Carlo, and **Menicagli**, Rita. Synthesis of some optically active thiazole derivatives, 344.
- Lardicci**, Luciano, and **Giacomelli**, Giampaolo. Alkyl metal asymmetric reduction. Part IV. Reduction of isopropyl phenyl ketone by optically active dialkylzinc compounds: dependence of stereoselectivity on the distance of the chiral centre from the metal atom, 337.
- Large**, Robert. See **Hawkins**, Edwin G. E., 280, 2561.
- Latif**, Nazih, **Mishriky**, Nawal, and **Mohsen**, Khairy A. Synthesis of malonitriles of potential cytostatic and pesticidal activity by reaction of Grignard reagents with ylidenemalonitriles, 875.
- Lander**, Huntly St. J. See **Cocker**, Wesley, 194.
- Laue**, Hugh A. H. See **Forbes**, Craig, P., 2346, 2350.
- Lavie**, David. See **Rao**, M. Madhusundana, 2552.
- Laws**, Derek R. J. See **Coates**, Jean, 36.
- Lawson**, Alexander. See **Cook**, David C., 1112.
- Leandri**, Giuseppe. See **Guanti**, Giuseppe, 2357.
- Leardini**, Rino. See **Camaggi**, Carlo-Manrizzo, 271.
- Leclercq**, Jacques. See **Sheikh**, Younos M., 909.
- Le Count**, David J., and **Greer**, Alexander T. Cyclisation of heterocyclic hydrazones prepared from dimethyl acetylenedicarboxylate, 297.
- Ledwith**, Anthony. See **Bell**, Frederick A., 1788, **Beresford**, Philip, 276, and **Kricka**, Larry J., 52.
- Lee**, Chen-Hsiung. See **Seib**, Paul A., 1220.
- Legge**, K. H. See **Banks**, Ronald E., 2367.
- Lehrer**, Michael, and **Stevenson**, Robert. Synthesis of 6-hydroxy-5,7-dimethoxy-2-naphthoic acid, an extractive of elm wood, 1165.
- Lennon**, Mary, **McLean**, Angus, **McWatt**, Ian, and **Proctor**, George R. Azabenzocycloheptenones. Part XVII. Some substitution reactions in tetrahydro-1-benzazepin-5-ones, 1828.
- Lethbridge**, Andrew, **Norman**, Richard O. C., and **Thomas**, C. Barry. A comparative study of the oxidation of oct-1-ene by mercury(II), thallium(III), and lead(IV) acetates in methanol, 1929.
- Lewis**, Gilbert J. See **Cooper**, David B., 1043, 1049, 1058, and **Harrison**, John M., 1053.
- Lewis**, John W. See **Uff**, Barrie C., 566.
- Lewton**, Derek A. See **Jones**, D. Neville, 2637.
- Ley**, Steven V. See **Brewer**, John P. N., 2688, **Buxton**, P. Christopher, 2681, **Hales**, Neil J., 2702, and **Heaney**, Harry, 2693, 2698, 2711.
- Liang**, Yun-Teh. See **Seib**, Paul A., 1220.
- Lichman**, Keith V. See **Cohylakis**, Dimitrios, 1518.
- Lichtenberg**, Leora. See **Youssefyeh**, Raymond D., 2649.
- Leibmann**, John A. See **Guthrie**, R. D., 650.
- Lin**, Lawrence J. See **Aberhart**, D. John, 2320.
- Lindley**, Peter F. See **Collins**, Peter M., 1895.
- Lister**, John H. See **Badger**, Rodney J., 152, and **Fenn**, M. David, 1300.
- Lin**, Yuchin. See **Kondo**, Kiyosi, 1279.
- Lloyd**, Douglas. See **Hankovszky**, Olga H., 1619.
- Lockwood**, Geoffrey. See **Britten**, Adam, 1824.
- Lofthouse**, Roy. See **Cusack**, Noel J., 73.
- Lohse**, Christian. See **Pedersen**, Carl, Th., 2722.
- Lowe**, Gordon. See **Alexander**, Jose, 2902.
- Lubinean**, André. See **David**, Serge, 2274.
- Luhadiya**, N. K. See **Singh**, Harkishan, 1480.
- Lynn**, Robert K. See **Brown**, Desmond J., 349.
- Lyon**, P. Anne, and **Reese**, Colin B. The structures of di-*N*-aroyl derivatives of adenosine and 2-aminopyridine, 2645.
- Lythgoe**, Basil. See **Frosch**, Jürgen V., 2005, and **Harrison**, Roger G., 2654.

M

- McAllister**, James R. See **Haszeldine**, Robert N., 1303.
- MacBride**, J. A. Hugh. See **Chambers**, Richard D., 125.
- McCarney**, Colin C., **Ward**, Robert S., and **Roberts**, David W. Cyclisation of esters of monoalkylacetonedicarboxylic acids. Isolation of a 4-oxo-4*H*-pyran-3-sulphonic acid, 1381.
- McCarthy**, Allan R., **Ollis**, W. David., and **Ramsden**, Christopher A. Cyclic meso-ionic compounds. Part VIII. 1,3-Dipolar cycloaddition reactions of isosydnones. Part IX. Synthesis, spectroscopic properties, and chemistry of 1,3,4-thiadiazolium-2-olates and 1,3,4-oxadiazolium-2-thiolates, 624, 627.
- Macchia**, Bruno. See **Barili**, Pier L., 477, and **Balsamo**, Aldo, 2548.
- Macchia**, Franco. See **Barili**, Pier L., 477, and **Balsamo**, Aldo, 2548.
- McCombie**, Stuart W. See **Cox**, Michael T., 516, and **Kenner**, George W., 527.
- McConnachie**, Gordon. See **Calder**, Alan, 2198, and **Forrester**, Alexander R., 2213.
- McCormack**, John D. See **Broxton**, Trevor J., 1769.
- McCullum**, Neil K. See **Alexander**, Jose, 2092.
- McDonald**, Edward. See **Battersby**, Alan R., 160.
- McGuire**, Michael H., **Odom**, H. Clyde Jun., and **Pinder**, A. Reginald. Further synthetic studies in the nootkatane sesquiterpene group. A new total synthesis of (\pm)-valencene and (\pm)-nootkatone, 1879.
- Machin**, Peter J., and **Sammes**, Peter G. Pyrazine chemistry. Part VI. Addition of sulphur nucleophiles across dehydrocyclo-dipeptides, 698.
- McKendrick**, Joseph J. See **MacNicol**, David D., 2493.
- McKervey**, M. Anthony. See **Karim**, Amna, 2475.
- McLean**, Angus. See **Lennon**, Mary, 1828.
- MacLean**, David B. See **Fehr**, Theo, 836, and **Gracey**, D. E. Fergus, 827.
- Macmillan**, Jake. See **Hedden**, Peter, 587.
- MacNicol**, David D., and **McKendrick**, Joseph J. Formation of benzo[*b*]thiophens and related compounds by a rearrangement involving ring contraction, 2493.
- MacNicol**, David D. See also **Cuthbertson**, Eric, 1893.
- McOmie**, John F. W., and **Saleh**, Sadiq A. Thiele-Winter acetoxylation of quinones. Part V. Structures of the major triacetate product from 5-methyl-3-*t*-butyl-1,2-benzoquinone and of the by-product from 2-methyl-6-*t*-butyl-1,4-benzoquinone, 384.
- MacPherson**, Roderick S. See **Campbell**, Neil, 42.
- McQuillin**, Francis J., and **Parker**, David G. Complexing of terpenes with transition metals. Part IV. A comparison of the reactions of (+)-3,7-dimethyl-octa-1,6-diene with palladium(II) and with mercury(II), 809.
- Macrae**, Robert. See **Boul**, A. David, 1138.
- MacSweeney**, David J. See **Eck**, Charles R., 1938.
- McWatt**, Ian. See **Lennon**, Mary, 1828.
- Maddison**, Jack A., **Seale**, Peter W., **Tiley**, Edward P., and **Warburton**, William K. Some *trans*-phenylazo-1,2,4-oxadiazoles, 81.

- Madhav, R.** Reactions of 4-arylmethylenepyrrolidine-2,3-diones. Synthesis of pyrrolo[3,4-b]-pyridines and -quinolines, 2108.
- Magnus, Philip D.** See **Almog, Joseph**, 835, and **Barton, Derek H. R.**, 2101.
- Mahajan, Jaswant R.** See **Arañjo, Hugo C.**, 2257.
- Maidment, Maurice S.** See **Campbell, Alex C.**, 1799.
- Mairoana, Stefano.** See **Del Buttero, Paola**, 1411.
- Maki, Y., Suzuki, M., Hosokami, T., and Furuta, T.** Photochemistry of *N*-acyl-2-nitrodiphenylamines. A novel photochemical synthesis of phenazine *N*-oxides, 1354.
- Malhotra, Ravinder K.** See **Singh, Harkishan**, 1480.
- Manitto, Paolo, Monti, Diego, and Gramatica, Paola.** Biosynthesis of phenylpropanoid compounds. Part I. Biosynthesis of eugenol in *Ocimum basilicum* L., 1727.
- Manson, Donald.** Oxidation of *N*-naphthylhydroxylamines to nitrosonaphthols by air, 192.
- Marchelli, Rosangela.** See **Casnati, Giuseppe**, 754.
- Markham, Ken R.** See **Ghosal, Shibnath**, 2538.
- Maroni, Roberto, Melloni, Giovanni, and Modena, Giorgio.** Electrophilic additions to acetylenes. Part II. Addition of alkyl chlorides to diphenylacetylene, 353.
- Marples, Brian A., O'Callaghan, Brian M., and Scottow, John L.** Steroids. Part XIX. Westphalen rearrangement of 6 β -azido- and 6 β -cyano-5 α -hydroxy-steroids. Neighbouring group participation by the azido-group, 1026.
- Marples, Brian A.** See also **Cubberley, Brian W.**, 9.
- Márquez, Lilia A.** See **Herz, Josef E.**, 1438.
- Marsham, Peter, Widdowson, David A., and Sutherland, James K.** Synthesis of annulated 10-methyloctalones by epoxyolefin cyclisation, 238.
- Marten, Tim.** See **Evans, Roger**, 857, and **Hanson, James R.**, 1033.
- Martin, John, Meth-Cohn, Otto, and Suschitzky, Hans.** Heterocyclic syntheses. Part XXVIII. *ortho*-Dialkylamino-benzenesulphonyl azides, -benzoyl azides, and benzoyldiazomethanes, 2451.
- Martin, Joseph A.** See **Jackson, Anthony H.**, 1911.
- Martin, Trevor I.** See **Gracey, D. E. Fergus**, 827.
- Maslakiewicz, Jorje R.** See **Chambers, Richard D.**, 1513.
- Mason, Kenneth G.** See **Buxton, P. Christopher**, 2695.
- Massardo, Pietro.** See **Piccardi, Paolo**, 1848.
- Mathew, Susan I., and Stansfield, Frank.** 1,5-Dihydro-1,2,3,4-thia(S^{IV})triazoles from quaternary salts of *NN*-disubstituted thioamides and sodium azide, 540.
- Mathieson, David W.** See **Cowell, David B.**, 1505.
- Matsuo, Taisuke.** See **Dennis, Nicholas**, 746.
- Mattocks, A. Robin.** Analogues of heptatotoxic pyrrolizidine alkaloids: synthesis and esterification of 1-methyl-2,3-bishydroxy-methyl-pyrrolidines and -3-pyrrolines (synthanecines) and corresponding pyrrole derivatives, 707.
- Meakins, G. Denis.** See **Bell, Alan M.**, 312, **Boul, A. David**, 1138, **Chadwick, Derek J.**, 1141, and **Jones, Sir Ewart R. H.**, 2376.
- Megit, Robert M.** See **Heller, Harry G.**, 923.
- Melloni, Giovanni.** See **Maroni, Roberto**, 353.
- Mellows, Susan M.** See **Arnold, Barry J.**, 401.
- Melton, Timothy.** See **Tickle, Richard W.**, 569.
- Menicagli, Rita.** See **Lardicci, Luciano**, 344.
- Merwe, Johanna P. van der.** See **Ferreira, Daneel**, 1492.
- Meshulam, Hain.** See **Rao, M. Madhusudana**, 2552.
- Mérsáros, Zoltán.** See **Náray-Sázbó, Gabor**, 1753.
- Meth-Cohn, Otto.** See **Ashby, John**, 1744, **Kerr, Geoffrey H.**, 1614, and **Martin, John**, 2451.
- Michalski, J., Młotkowska, B., and Skowrosńska, A.** Organophosphorus compounds. Part CL. Synthesis of 'stable' tetra-*O*-alkyl *sym*-monothiopyrophosphates, 319.
- Miller, Brian J.** See **Landor, Stephen R.**, 557.
- Milloy, Beverley A.** See **Armarego, Wilfred L. J.**, 1905.
- Mills, Roy W.** See **Eck, Charles R.**, 1938.
- Minale, Luigi, and Sodano, Guido.** Marine sterols: 19-norstanols from the sponge *Axinella polyopoides*, 1888. Marine sterols: unique 3 β -hydroxymethyl- Δ -nor-5 α -steranes from the sponge *Axinella verrucosa*, 2380.
- Minamisono, Emi.** See **Nishiwaki, Tarozaemon**, 1871.
- Mishriky, Nawal.** See **Latif, Nazih**, 875.
- Mitchell, Thomas R. B.** See **Haddad, Yousif M. Y.**, 596.
- Miyamoto, Tomohisa.** See **Tamura, Yasumitsu**, 102, 105, 1125, 2053.
- Miyauchi, Tetsuko.** See **Takehima, Tatsuo**, 914.
- Miyazaki, Michihiko.** See **Tanaka, Tadasu**, 1593, 2110.
- Mizuno, Kazuhiko, Pac, Chyongjin, and Sakurai, Hiroshi.** Photochemical reactions of aromatic compounds. Part XX. Photocycloaddition of 9-cyanoanthracene to furan and mono- and dimethyl-furans, 2360.
- Mizuno, Kazuhiko.** See also **Pac, Chyongjin**, 561.
- Młotkowska, B.** See **Michalski, J.**, 319.
- Modena, Giorgio.** See **Maroni, Roberto**, 353.
- Modena, Mario.** See **Piccardi, Paolo**, 1848.
- Mohsen, Khairy A.** See **Latif, Nazih**, 875.
- Moir, Michael.** See **Ferreira, Margarida A.**, 2429.
- Money, Thomas.** See **Eck, Charles R.**, 1938.
- Montanari, Fernando.** See **Cinquini, Mauro**, 1719, 1723.
- Montevocchi, Pier Carlo.** See **Benati, Luisa**, 1272, 1276.
- Monti, Diego.** See **Manitto, Paolo**, 1727.
- Moore, Olive J.** See **Cheney, John**, 986.
- Moran, Daniel, Patel, Mahendra N., Tahir, Nazir A., and Wakefield, Basil J.** Polyhalogenoaromatic compounds. Part XXXIV. Reactions of pentachloropyridine and 3,5-dichloro-trifluoropyridine with aliphatic diamines, 2310.
- Morimoto, Akira.** See **Ochiai, Michihiko**, 258.
- Moriya, Hiroshi.** See **Sato, Takeo**, 1537.
- Moriyama, Shigeki, Okigawa, Masayoshi, and Kawano, Nobusuke.** Synthesis of hexa-*O*-methyl-cupressuflavone and -agathisflavone, 2132.
- Morrison, George A.** See **Brooks, John S.**, 2114.
- Morton, Michael S.** See **Clark, Jim**, 1812, 1818.
- Morton, William D.** See **Banks, Ronald E.**, 1266.
- Moss, Gerard P., Pregosin, Paul S., and Randall, Edward W.** Assignments in the carbon-13 Fourier spectra of eudesmanolides, 1525.
- Motl, O.** See **Fehr, Theo**, 836.
- Msonthi, Jerome D.** See **Jones, D. Neville**, 2637.
- Mujumdar, Ashok S., and Usgaonkar, Ramesh N.** Benzodipyrans. Part V. Synthesis of a linear dihydrobenzodipyrandione isolated from Dill and of other similar benzodipyrandiones, 2236.
- Müller, Wilhelm E.** See **Bell, Alan M.**, 312, and **Jones, Sir Ewart R. H.**, 2376.
- Mullins, Richard J.** See **Kirk, David N.**, 14.
- Mullock, Ernest B.** See **Kerr, Geoffrey H.**, 1614.
- Munro, Hamish D., Musgrave, Oliver C., and Turner, Alan B.** 3 α -Hydroxy-5 β -chol-11-en-24-oic acid, a new fungal metabolite, 1597.
- Munro, Murray H. G.** See **Battersby, Alan R.**, 1394, 1399.
- Muraoka, Motomu.** See **Takehima, Tatsuo**, 914.
- Murphy, William S.** See **Boyce, Richard**, 792.

- Musgrave**, Oliver C., and **Skoyles**, Douglas. Ebenaceae extractives. Part IV. Diosindigo A, a blue pigment from several *Diospyros* species, 1128.
- Musgrave**, Oliver C., and **Webster**, Colin J. Reactions of quinones with aromatic ethers. Part III. Arylbenzoquinones and dibenzofurans from 2,5- and 2,6-dichlorobenzoquinone and veratrole. Part IV. Dibenzofurans from the cyclisation of arylbenzoquinones, 2260, 2263.
- Musgrave**, Oliver C. See also **Munro**, Hamish D., 1597.
- Musgrave**, W. Kenneth R. See **Chambers**, Richard D., 108, 114, 125, 1513, 2580, 2584.
- Myerscough**, Thomas. See **Banks**, Ronald E., 2532.

N

- Nadamuni**, Gollagunta. See **Birch**, Arthur J., 545.
- Nagarajan**, Kuppuswamy. See **Govindachari**, Tuticorin R., 1413.
- Nagel**, Dietmar W. See **Vleggaar**, Robert, 45.
- Naito**, Takeaki. See **Ninomiya**, Ichiya, 1747.
- Nakamura**, Shigetake. See **Fujita**, Eiichi, 165.
- Nakanishi**, Koji. See **Govindachari**, Tuticorin R., 1413.
- Nambudiry**, Mayara E. N., and **Rao**, G. S. Krishna. Studies in terpenoids. Part XXX. Synthesis of pteroin E, a sesquiterpenoid from bracken, 317.
- Náray-Szabó**, Góbor, **Hermecz**, István, and **Mészáros**, Zoltán. Reactivity of the pyrido[1,2- α]pyrimidin-4-one ring system, 1753.
- Nasipuri**, Dhanonjoy, and **Ghosh**, Sanat K. Synthesis of (\pm)-3-methoxy-6,15-diazaestra-1,3,5,7,9,14-hexaene, 2720.
- Naso**, Francesco, and **Ronzini**, Ludovico. Use of fluoride ion as a reagent in acetylene- and allene-forming eliminations, 340.
- Nayler**, John H. C. See **Clayton**, J. Peter, 22.
- Nemorin**, Jacques E. See **Gall**, Ruth E., 881.
- Nesi**, Rodolfo. See **Adembri**, Giorgio, 1022.
- Newman**, David J. See **Howarth**, T. Trefor, 490.
- Nicklin**, Paul D. See **Cowell**, David B., 1505.
- Nilsson**, Nils H. Lewis acid catalysed reaction of aliphatic thiols with thiophosgene, 1308.
- Ninomiya**, Ichiya, **Yamauchi**, Sadami, **Kiguchi**, Toshiko, **Shinohara**, Atsuko, and **Naito**, Takeaki. Photocyclisation of enamides. Part V. Photocyclisation of $\alpha\beta$ -unsaturated anilides, 1747.
- Nishimura**, Tadashi. See **Tamura**, Yasumitsu, 102, 105.
- Nishiwaki**, Tarozaemon, **Azechi**, Kenji, and **Fujiyama**, Fusako. Studies on heterocyclic chemistry. Part XVIII. Thermally induced isomerisation of 3-*p*-alkoxyphenyl-5-methoxyisoxazoles in aryl aldehydes and dehydration of 5-amino-3,4-diarylisoxazoles in hexamethylphosphoric triamide, 1867.
- Nishiwaki**, Tarozaemon, **Fujiyama**, Fusako, and **Minamisono**, Emi. Studies on heterocyclic chemistry. Part XIX. Synthesis of 4-*o*-aryl-1-arylpyrazoles from α -*o*-aryl- β -anilino-acrylonitriles and photochemistry of 4-carbonyl-substituted pyrazoles, 1871.
- Nógrádi**, Mihály, **Ollis**, W. David, and **Sutherland**, Ian O. Stereochemistry of the electrophilic addition of bromine to dibenzo[*b,f*]thiepin and its 5,5-dioxide, 621.
- Nógrádi**, Mihály. See also **Farkas**, Loránd, 305.
- Norman**, Richard O. C., **Parr**, William J. E., and **Thomas**, C. Barry. Nitration of benzenoid compounds by palladium salts and by nitrogen dioxide, 369.
- Norman**, Richard O. C. See also **Clark**, Ferrers R. S., 1289, and **Lethbridge**, Andrew, 1929.
- Norris**, Robert K. See **Almog**, Joseph, 853.
- Norris**, Timothy. See **Boyd**, Gerhard V., 1028.
- Nozaki**, Sadao. See **Inone**, Seiichi, 2097.
- Nunn**, Eric E. See **Gilchrist**, Thomas L., 1262.

O

- O'Brien**, J. T. See **Ariyan**, Z. S., 447.
- O'Brien**, Simon. See **Donnelly**, John A., 1674.
- O'Callaghan**, Brian M. See **Marples**, Brian A., 1026.
- Ochiai**, Michihiko, **Aki**, Osami, **Morimoto**, Akira, **Okada**, Taiiti, **Shinozaki**, Kazuo, and **Asahi**, Yutaka. Electrochemical reduction of cephalosporanic acids, 258.
- Odom**, H. Clyde, Jun. See **McGuire**, H. Michael, 1879.
- O'Donnell**, Raymond. See **Donnelly**, John A., 1218.
- O'Donovan**, Daniel G., and **Barry**, Edward. Biosynthesis of lophocerine in *Lophocereus schottii*. Part II, 2528.
- O'Donovan**, Daniel G., and **Creedon**, Patrick B. Biosynthesis of santiaguine in *Adenocarpus foliosus*. Part II, 2524.
- Ogawa**, Shojiro, **Yamaguchi**, Tomonobu, and **Gotoh**, Nobuyuki. Preparation of a conjugated tautomer of 1,14:7,8-diethenotetrapyrido[2,1,6-*de*:2',1',6'-*gh*:2'',1'',6''-*ht*:2''',1''',6'''-*na*][1,3,5,8,10,12]hexa-azacyclotetradecine and its metal derivatives, 976.
- O'Grady**, John. See **Donnelly**, John A., 1674.
- O'Grodnick**, Joseph S. See **Yagen**, Boris, 1994.
- Ofunkoya**, Layi. See **Barton**, Derek H. R., 739.
- Okada**, Taiiti. See **Ochiai**, Michihiko, 258.
- Okada**, Yasumori. See **Fujita**, Eiichi, 165.
- Okigawa**, Masayoshi. See **Moriyama**, Shigeki, 2132.
- Okogun**, Joseph I., and **Ekong**, Donald E. U. Extracts from the fruits of *Piper guineense* Schum. and Thonn, 2195.
- Ollis**, W. David, and **Ramsden**, Christopher A. Cyclic meso-ionic compounds. Part X. Synthesis, spectroscopic properties, and chemistry of 1,3,4-thiadiazolium-2-aminides and their rearrangement to 1,3,4-triazolium-2-thiolates. Part XI. Synthesis, spectroscopic properties, and chemistry of 1,3,4-triazolium-2-aminides. Part XII. Synthesis, spectroscopic properties, and chemistry of 1,3,4-oxadiazolium-2-iminides. Part XIII. Mass spectra of meso-ionic heterocycles, 633, 638, 642, 645.
- Ollis**, W. David. See also **McCarthy**, Allan R., 624, 627, and **Nógrádi**, Mihály, 621.
- Ōmura**, Satoshi, **Katagiri**, Michiko, **Atsumi**, Kiyoo, **Hata**, Toju, **Jakubowski**, Ann A., **Springs**, E. Bleecker, and **Tishler**, Max. Structure of prumycin, 1627.
- Orazi**, Orfeo, **Corral**, Renée A., and **Schuttenberg**, Herman. Substitution in the hydantoin ring. Part VIII. Alkylation, 219. Methylation of the nitrogen-halogen bond of positive halogen compounds, 2087.
- O'Riordan**, Edward A. See **Boyce**, Richard, 792.
- Orsini**, Fulvia. See **Corbella**, Attilio, 1875.
- Ourisson**, Guy. See **Payser**, J. Philip, 378, 2061.
- Ovadia**, David. See **Bien**, Shlomo, 333.
- Overton**, Karl H. See **Cunningham**, Ian M., 2458.
- Owen**, Leonard N. See **Behzadi**, Afarin, 25, 2287, and **Jesudason**, Malini V., 1443, 2019, 2024.
- Owen**, Peter J., and **Scheinmann**, Feodor. Extractives from Guttiferae. Part XXVI. Isolation and structure of six xanthenes, a biflavanoid, and triterpenes from the heartwood of *Pentaphalangium solomonse* Warb., 1018.
- Owen**, Peter J. See also **Cotterill**, Philip J., 2423.

P

- Pac**, Chyongjin, **Mizuno**, Kazuhiko, **Tosa**, Takafumi, and **Sakurai**, Hiroshi. Photochemical reactions of aromatic compounds. Part XVIII. Photoaddition of benzophenone to aromatic amines, 561.
- Pac**, Chyongjin. See also **Mizuno**, Kazuhiko, 2360.
- Pagani**, Giorgio A. Cyclic sulphones. Part XIX. Reactions of the 1,2,6-thiadiazine 1,1-dioxide system with some electrophiles, 2050.
- Paglietti**, Giuseppe. See **Acheson**, R. Morrin, 2496.
- Pai**, B. Ramachandra. See **Joshi**, Balawant S., 2517.
- Palfreyman**, Malcolm N., and **Wooldridge**, Kenneth R. H. Potential chemotherapeutic agents. Formation of 2,7-naphthyridones from nicotinamide derivatives, 57.
- Palla**, Gerardo. See **Casnati**, Giuseppe, 2397.
- Parfitt**, Leonard T. See **Fray**, Gordon I., 729.
- Parker**, David G. See **McQuillin**, Francis J., 809.
- Parker**, William. See **Baines**, David, 1598.
- Parr**, William J. E. See **Norman**, Richard O. C., 369.
- Parrick**, John. See **Clark**, Bernard A. J., 1531, 2270.
- Parrott**, Maxwell J. See **Fray**, Gordon I., 729.
- Parthasarathy**, Papagudi C. See **Govindachari**, Tuticorin R., 1413.
- Partington**, Stafford. See **Chambers**, Richard D., 2673.
- Parton**, Stuart K. See **Dennis**, Nicholas, 746, 750.
- Patampongse**, Chachanat. See **Deam**, Francis M., 583, 952.
- Patel**, Mahendra N. See **Moran**, Daniel, 2310.
- Pattenden**, Gerald, and **Storer**, Richard. Synthesis of Z-rethrolones and Z-rethrones, 1603.
Acid-catalysed transformations of substituted 4-hydroxy-2-(prop-2-enyl)cyclopent-2-enones, 1606.
- Pattenden**, Gerald. See also **James**, Brian G., 1195, 1204.
- Paul**, Dharam. See **Singh**, Harkishan, 1475.
- Paulin**, Mark. See **Abramovitch**, Rudolph A., 2169.
- Peagram**, Michael J. See **Burgoine**, Kenneth T., 2629.
- Pearce**, Ronald. See **Eaborn**, Colin, 2055.
- Pearson**, Michael J. See **Clayton**, J. Peter, 22.
- Pechet**, Maurice M. See **Barton**, Derek H. R., 732, 739, 2095, 2344.
- Pedersen**, Carl Th., **Lohse**, Christian, and **Stavaux**, Madeleine. Photochemistry of sulphur compounds related to the 1,2-dithiole system. Part IV. Photoisomerisation of α -[7-(5-aryl or -alkyl-1,2-dithiol-3-ylidene)-4,5,6,7-tetrahydro-1,2-benzodithiol-3-ylidene] ketones, 2722.
- Peek**, Michael E., **Rees**, Charles W., and **Storr**, Richard C. Pyrolysis of 2,3-diazidonaphthalene, 1260.
- Peek**, Michael E. See also **Gait**, Stephanie F., 1248.
- Pelc**, Bohumil. 4 α -Hydroxycholecalciferol and an attempted synthesis of its 4 β -hydroxy-epimer, 1436.
- Perkins**, M. John, and **Ward**, Peter. Base-catalysed rearrangement and hydrogen isotope exchange reactions of tricyclo[7.1.0.0^{2,7}]deca-2(7),3,5-triene (cyclopropindene) and related compounds, 667.
- Perold**, Guido W. See **Hopkins**, Barrie J., 32.
- Perratt**, Dan. See **Collins**, Peter M., 1895.
- Peters**, David J. See **Evans**, David D., 285.
- Phillips**, Lawrence. See **Boyce**, Clive B. C., 1644, 1650.
- Phinney**, Bernard O. See **Heddeu**, Peter, 587.
- Phipps**, David A. See **Green**, Clinton L., 2623.
- Phipps**, John R. See **Jones**, Gurnos, 158.
- Piccardi**, Paolo, **Massardo**, Pietro, **Modena**, Mario, and **Santoro**, Ettore. Novel method of producing radicals of the hex-5-enyl type, 1848.
- Pickering**, Michael W. See **Iddow**, Brian, 575.
- Pietra**, Francesco. See **Del Cima**, Francesco, 1710, and **Volpi**, Erio, 703.
- Pinder**, A. Reginald. See **McGuire**, H. Michael, 1879.
- Pitacco**, G. See **Forchiassin**, M., 660.
- Pitacco**, Giuliana, **Colonna**, Francesco Paolo, **Valentin**, Ennio, and **Risaliti**, Amerigo. Tautomerism of enamines derived from 2-tetralone. Difference in nucleophilic behaviour between morpholine and pyrrolidine enamines, 1625.
- Pitout**, Martinus J. See **Steyn**, Pieter S., 2551.
- Plas**, Henk C. van der. See **de Bie**, Dick A., 1363.
- Pocar**, Donato. See **Stradi**, Riccardo, 2671.
- Pochini**, Andrea. See **Casnati**, Giuseppe, 754.
- Podimuang**, Verapong. See **Dean**, Francis M., 583.
- Pool**, Colin R. See **Haszeldine**, Robert N., 2293.
- Pooranamoorthy**, Ratnam. See **Carruthers**, William, 2405.
- Porter**, Roger D. See **Lamberton**, Alexander H., 956.
- Potter**, Christopher J. See **Barton**, Derek H. R., 346, 2278.
- Power**, Michael J. See **Buchanan**, J. Grant, 1943.
- Poyser**, J. Philip, **Hirtzbach**, François de Reinach, and **Ourisson**, Guy. Electrophilic addition to 24,25,26,27-tetranorlanosta-8,22-dien-3 β -yl acetate, 378.
- Poyser**, J. Philip, and **Ourisson**, Guy. Stereospecific synthesis of (22*R*)-22-hydroxycholesterol and (22*R*)-cholesta-5,24-diene-3 β ,22-diol, 2061.
- Prabhaker**, Sundaresan. See **Barton**, Derek H. R., 781.
- Pragnell**, John. See **Bell**, Alan M., 312, and **Jones**, Sir Ewart R. H., 2376.
- Prakash**, Ajai. See **Banks**, Ronald E., 1365, 2479.
- Pratt**, Graham. See **Bajorek**, Jan J. S., 1243.
- Pregosin**, Paul S. See **Moss**, Gerard P., 1525.
- Proctor**, George R. See **Carpenter**, Philip D., 1527, and **Lennon**, Mary, 1828.
- Prout**, R. Aubrey. See **Hardy**, Paul M., 796, 802.
- Pryce**, Robert J. New intermediates in the aqueous decomposition of gibberellic acid, 1179.
- Pulman**, David A. See **Elliott**, Michael, 2470.
- Purtschert**, Bea. See **Abramovitch**, Rudolph A., 2589.
- Purushothaman**, Kozhiparambil K., **Vasanth**, Saradha, and **Connolly**, Joseph D. Nepetaefolinol and two related diterpenoids from *Leonotis nepetaefolia*, 2661.

R

- Rae**, Duncan R. See **Bladon**, Peter, 1468, 2240.
- Rafla**, Fathi Kamel. See **Khan**, Mazhar Ali, 327.
- Rahat**, Miriam, **Bergmann**, F., and **Tamir**, Ilana. Purine-6,8-diones: a study of their ionisation and their methylation reactions, 2229.
- Rahat**, Miriam. See also **Bergmann**, Felix, 470.
- Rajagopalan**, Tuticorin G. See **Govindachari**, Tuticorin R., 1161, 1413.
- Rajappa**, Srinivasachari, and **Advani**, Bhagwan G. Conformational studies on tricyclic quinazolines derived from cyclodipeptides incorporating sarcosine, 2122.
- Raleigh**, James A. See **Cheney**, John, 986.
- Ramage**, Robert. See **Battersby**, Alan R., 1394, 1399.
- Ramsden**, Christopher A. See **Dewar**, Michael J. S., 1839, **McCarthy**, Allan R., 624, 627, and **Ollis**, W. David, 633, 638, 642, 645.
- Ramsey**, John S. See **Auret**, Barbara J., 2153.
- Randall**, Edward W. See **Moss**, Gerard P., 1525.
- Rangaswami**, Srinivasa. See **Tewari**, Naresh C., 146.

- Rao, G. S. Krishna.** See **Nambudiry, Mayara E. N.**, 317, and **Viswanatha, Venkatappa**, 450.
- Rao, M. Madhusudana, Meshulan, Haim, and Lavie, David.** The constituents of *Ecballium elaterium* L. Part XXIII. Cucurbitacins and hexanorcucurbitacins, 2552.
- Raphael, Ralph A.** See **Jones, Geraint**, 1676.
- Rappoport, Zvi, and Ladkani, David.** Nucleophilic attacks on carbon-carbon double bonds. Part XX. Reaction of active methylene compounds with electrophilic olefins. Formation of substituted 2-amino-4-cyano-4*H*-pyrans, 2595.
- Rashid, Zafar.** See **Bailey, A. Sydney**, 2384.
- Ravindranath, Kongovi, R.** See **Govindachari, Tuticorin R.**, 1215.
- Redpath, James.** See **Hewett, Colin L.**, 897, 1432.
- Reece, Phillip A.** See **Armarego, Wilfred L. J.**, 2313.
- Rees, Charles W.** See **Gait, Stephanie F.**, 1248, **Gilchrist, Thomas L.**, 1262, and **Peek, Michael E.**, 1260.
- Rees, Lilius G.** See **Carpenter, Philip D.**, 1527.
- Rees, Ronald G.** See **Hudson, Harry R.**, 982.
- Rees, Yvonne, and Williams, Gareth H.** Aroyl peroxides. Part VI. Reactions of aroyl peroxides with nitrogen dioxide, 2266.
- Reese, Colin B.** See **Lyon, P. Anne**, 2645.
- Regan, John P.** See **Evans, R. James D.**, 552, and **Landor, Stephen R.**, 557.
- Regester, David M.** See **Bell, John R.**, 1961.
- Reid, David H.** See **Christie, Robert M.**, 722, and **Ingram, Alexander S.**, 242.
- Reid, Stewart T., Tucker, John N., and Wilcox, Edward J.** Photochemical transformations. Part VII. Solution photochemistry of nitroalkanes: the reaction products, 1359.
- Richardson, Anthony C.** See **Durette, Philippe, L.**, 88, 97.
- Rickett, J. E.** See **Banks, Ronald E.**, 2367.
- Riphagen, Brian G.** See **Drewes, Siegfried E.**, 323, 1908.
- Risaliti, A.** See **Forchiassin, M.**, 660.
- Risaliti, Amerigo.** See **Fatutta, Silvana**, 2387, and **Pitacco, Giuliana**, 1625.
- Ritchie, Ian.** See **Chambers, Richard D.**, 114.
- Roberts, David W.** See **McCarney, Colin C.**, 1381.
- Roberts, John L.** See **Cambie, Richard C.**, 1120, 1858, 1864.
- Robins, David J., Bale, Nicholas M., and Crout, David H. G.** Pyrrolizidine alkaloids. Biosynthesis of monocrotalic acid, the necic acid component of monocrotaline, 2082.
- Robinson, David H., and Shaw, Gordon.** Purines, pyrimidines, and imidazoles. Part XLII. Stereospecific synthesis of some *D*-xylofuranosylimidazole derivatives from oxazoline intermediates and some related compounds derived from *D*-ribofuranoxylamine, 774.
- Robinson, David H.** See also **Cusack, Noel J.**, 73.
- Robinson, Stephen R., Webb, Brian C., and Wells, Clifford H. J.** Studies on nitroaromatic compounds. Part VI. Synthesis of polynitro-1,5- and -1,8-dimethylnaphthalenes, 2239.
- Robson, Michael J.** See **Barton, Derek H. R.**, 1245.
- Rogers, Nigel R.** See **Cookson, Richard C.**, 1037.
- Rollins, Anthony J.** See **Brimacombe, John S.**, 1568.
- Romeo, Giovanni.** See **Aversa, Maria C.**, 209.
- Ronchetti, Fiamma.** See **Canonica, Luigi**, 1670.
- Ronzini, Ludovico.** See **Naso, Francesco**, 340.
- Roomi, Md. W.** See **Conlon, J. Michael**, 713.
- Rosevear, Alan.** See **Kennedy, John F.**, 757.
- Rothstein, Eugene, and Vallely, Francis.** The elimination of carbon monoxide from acid derivatives. Part IV. Friedel-Crafts reactions of some primary (alkylphenyl)-acetyl chlorides, 443.
- Roux, David G.** See **Ferreira, Daneel**, 1492.
- Rowbottom, Kenneth T.** See **Glover, Edward E.**, 1792.
- Roy, Ram B.** See **Khandelwal, Ghanshyam D.**, 891.
- Rudra, Kalpana.** See **Ghatak, Usha R.**, 1957.
- Ruffles, Graham K.** See **Alexander, Jose**, 2092.
- Rugg, Peter W.** See **Cusack, Noel J.**, 73.
- Russell, Douglas W.** See **Audhya, Tapan K.**, 743.
- Russell, Leslie W.** See **Coombes, Robert G.**, 1751.
- Russell, Richard A.** See **Baldas, John**, 50.
- Russell, Stephen W.** See **Hlubucek, Joseph R.**, 848.
- Russo, C.** See **Forchiassin, M.**, 660.
- Russo, Giovanni.** See **Canonica, Luigi**, 1670.
- Rutledge, Peter S.** See **Cambie, Richard C.**, 1120, 1858, 1864.
- Rydon, H. N.** See **Hardy, Paul M.**, 796, 802.

S

- Sainsbury, Malcolm, and Webb, Brian.** Synthesis of 9-aminoellipticine (9-amino-5,11-dimethyl-6*H*-pyrido[4,3-*b*]carbazole) and related compounds, 1580.
- Saito, Kenji.** See **Inoue, Seiichi**, 2097.
- Saksena, Anil K.** See **Frosch, Jürgen V.**, 2005.
- Sakurai, Hiroshi.** See **Mizuno, Kazuhiko**, 2360, and **Pac, Chyongjin**, 561.
- Saleh, Sadiq A.** See **McOmie, John F. W.**, 384.
- Sammes, Peter G.** See **Allan, Robin D.**, 1456, **Arnold, Barry J.**, 401, 409, 415, **Barton, Derek H. R.**, 1459, and **Machin, Peter J.**, 698.
- Sánchez, Antonio Gómez, Toledano, Eusebio, and Guillén, Manuel Gómez.** Synthesis of 1,5,6,7-tetrahydroindol-4-ones from amino-sugars and cyclohexane-1,3-diones, 1237.
- Sanders, Jeremy K. M.** See **Baxter, Ian**, 2574.
- Santoro, Ettore.** See **Piccardi, Paolo**, 1848.
- Sargent, Melvyn V.** See **Cresp, Terry M.**, 37, 2145, 2435, **Giles, Robin G. F.**, 2447, **Godfrey, Ian M.**, 1353, and **Lam, Joseph K. K.**, 1417.
- Sartori, Giovanni.** See **Casiraghi, Giovanni**, 2077.
- Sasaki, Tadashi, Kanematsu, Ken, and Hiramatsu, Toshiyuki.** Molecular design by cycloaddition reactions. Part XII. Syntheses of fluoranthene and diazafluoranthene derivatives, 1213.
- Sasaki, Tadasi, Kanematsu, Ken, and Iizuka, Kinzi.** Molecular design by cycloaddition reactions. Part XIV. Ready chemical transformation of the bicyclo[3.2.2]-nonadiene skeleton, 933.
- Sato, Kikumasa.** See **Inoue, Seiichi**, 2097.
- Sato, Takeo, Shimizu, Kuniaki, and Moriya, Hiroshi.** Thermal decomposition of dibenz[*b,d*]iodolium and 10*H*-dibenz[*b,e*]iodinium halides. Evidence for a homolytic pathway from halogen scrambling, hydrogen transfer, and trapping, 1537.
- Satoh, Fumio.** See **Kametani, Tetsuji**, 2141, 2509.
- Savage, David S.** See **Hewett, Colin L.**, 897, 1432.
- Savona, Guiseppe.** See **Hanson, James R.**, 2501.
- Schafer, Derek J.** Synthesis of the pentapeptide sequence 105—109 and small fragments of human encephalitogenic protein containing the arginine residue 107, 2296.
- Sleinmann, Feodor.** See **Cotterill, Philip J.**, 2423, and **Owen, Peter J.**, 1018.

- Scheuer, Paul J. See **Higa**, Tatsuo, 1350.
- Schuttenberg, Herman. See **Orazi**, Orfeo O., 219, 2087.
- Schwartz, Gerald P. See **Katsoyannis**, Panayotis G., 1311.
- Scopes, Molly. See **Fernandez**, Franco, 18, and **Fringuelli**, Francesco, 1103.
- Scopes, P. Molly. See **Bartlett**, Lynne, 2219, and **Klyne**, William, 2565.
- Scott, A. Ian. See **Cheney**, John, 986.
- Scott, David L. See **Haszeldine**, Robert N., 1440.
- Scott, Robert J. See **Cadogan**, J. I. G., 1694.
- Scotton, Mirella. See **Adembri**, Giorgio, 1022.
- Scottow, John L. See **Marples**, Brian A., 1026.
- Seager, John F. See **Bailey**, A. Sydney, 763, 967, 2384.
- Seale, Peter W., and **Warburton**, William K. Some *N*-hydroxy-*N*-methylamidines and 1,2,4-oxadiazol-5(2*H*)-ones, 85.
- Seale, Peter W. See also **Maddison**, Jack A., 81.
- Seib, Paul A., **Liang**, Yun-Teh, **Lee**, Chen-Hsiung, **Hoseney**, R. Carl, and **Deyoe**, Charles W. Synthesis and stability of L-ascorbate 2-sulphate, 1220.
- Selby, Ian A. See **Acheson**, R. Morrin, 423, and **Bentley**, Kenneth W., 682.
- Sep, Waltherus J. See **de Gee**, Anton J., 676.
- Shahak, Israel. See **Barton**, Derek H. R., 1794.
- Shannon, Patrick V. R. See **Birch**, Anthony J., 2185, 2190, **Cocker**, Wesley, 194, and **Collins**, Edward, 944.
- Sharma, Ram Prakash. See **Buxton**, P. Christopher, 2681.
- Shaw, Gordon. See **Cusack**, Noel J., 73, and **Robinson**, David H., 774.
- Shaw, Mark R. See **Brown**, Ben R., 2036.
- Sheikh, Younus M., **Leclercq**, Jacques, and **Djerassi**, Carl. Addition of dichlorocarbene to steroidal olefins. Preparation of a stereoisomer of demethylgorgosterol, a cyclopropane-containing marine sterol, 909.
- Shibuya, Masayuki, and **Fujita**, Eiichi. Terpenoids. Part XXIX. Chemical conversion of enmein into an important relay compound for its total synthesis, 178.
- Shibuya, Masayuki. See also **Fujita**, Eiichi, 165.
- Shilton, Roy. See **Grant**, Douglas W., 135.
- Shimizu, Kuniaki. See **Sato**, Takeo, 1537.
- Shinohara, Atsuko. See **Ninomiya**, Ichiya, 1747.
- Shinozaki, Kazuo. See **Ochiai**, Michihiko, 258.
- Shoppee, Charles W., and **Cooke**, Burgess J. A. Electrocyclic reactions. Part V. The structure of the product from *trans,trans*-dibenzylideneacetone and sulphuric acid-acetic anhydride, 189.
- Siddiqui, M. Shakil S., and **Stevens**, Malcolm F. G. Triazines and related products. Part XI. Dimroth rearrangements of 3-substituted 3,4-dihydro-4-imino-1,2,3-benzotriazines in acetic acid. Part XII. Reactions of 3,4-dihydro-4-imino-1,2,3-benzotriazines and 1,2,3-benzotriazin-4(3*H*)-ones in secondary amines. Part XIV. Decomposition of 1,2,3-benzotriazin-4(3*H*)-ones in the presence of reactive methylene systems, 609, 611, 2482.
- Sim, George A. See **Hickmott**, Peter W., 2544.
- Simmonds, Derek J. See **Begley**, Michael J., 1230.
- Simpson, Thomas J. See **Chexal**, Kuldip K., 1584, and **Holker**, John S. E., 2135.
- Singer, George M. See **Abramovitch**, Rudolph A., 2589.
- Singh, Harkishan, **Malhotra**, Ravinder K., and **Luhadiya**, N. K. Steroids and related studies. Part XXVII. Tetrazoles from progesterone and 7-oxocholest-5-en-3 β -yl acetate, 1480.
- Singh, Harkishan, and **Paul**, Dharam. Steroids and related studies. Part XXV. Chandonium iodide (17 α -methyl-3 β -pyrrolidino-17 α -aza-D-homoandrost-5-ene dimethiodide) and other quaternary ammonium steroid analogues, 1475.
- Singh, Jag Megh, and **Turner**, Alan B. Directive effects in the addition of alcohols to benzoquinones, 2556.
- Sioli, Giancarlo. See **Tempesti**, Ezio, 771.
- Siverns, Michael. See **Hanson**, James R., 1033, 2001.
- Sjövall, Jan. See **Herz**, Josef E., 1438.
- Škarič, Djurdja. See **Škarič**, Vinko, 1406.
- Škarič, Vinko, **Gašpert**, Branko, **Hohnjec**, Marijan, and **Lačan**, Goran. Some dihydro-cytidines and -isocytidines, 267.
- Škarič, Vinko, **Turjak-Zebič**, Vera and **Škarič**, Djurdja. Synthesis and properties of the stereoisomeric diethyl 2-aminocyclohexane-1,4-dicarboxylates, 1406.
- Sketchley, John M. See **Buxton**, P. Christopher, 2695.
- Skilling, James. See **Forrester**, Alexander R., 2161.
- Skolik, Jerzy. See **Klyne**, William, 2565.
- Skowrońska, A. See **Michalski**, J., 319.
- Skoyles, Douglas. See **Musgrave**, Oliver C., 1128.
- Sleigh, Thomas. See **Hewett**, Colin L., 897.
- Smith, Donald C. C. See **Lacy**, Philip H., 2617.
- Smith, David O'N. See **Cresp**, Terry M., 2435.
- Smith, Elizabeth M. See **Abramovitch**, Rudolph A., 2589.
- Smith, Gerald A. See **Smith**, Kenneth A., 2369.
- Smith, John R. Lindsay. See **Jerina**, Donald M., 1702.
- Smith, Kevin M. See **Cavaleiro**, José A. S., 1188, 1771.
- Smith, Kenneth A., **Williams**, Dudley H., and **Smith**, Gerald A. Structural studies on the antibiotic vancomycin; the nature of the aromatic rings, 2369.
- Smith, Kevin M. See **Cox**, Michael T., 516, **Jones**, Raymond V. H., 531, and **Kenner**, George W., 527.
- Smith, Sydney. See **Banks**, Ronald E., 2532.
- Snowden, Roger L. See **Chadwick**, Derek J., 1141.
- Sodano, Guido. See **Minale**, Luigi, 1888, 2380.
- Somanathan, Ratnaswamy, and **Sultanbawa**, M. Uvais S., Chemical investigation of Ceylonese plants. Part VIII. Trapezifolixanthone, a new di-isoprenylated xanthone from the bark of *Calophyllum trapezifolium* Thw. (Guttiferae), 2515.
- Somanathan, Ratnaswamy. See also **Dahanayake**, Mahilal, 2510.
- Sonola, Obuntunji O. See **Landor**, Stephen R., 1294, 1902.
- Soti, Ferenc. See **Baldock**, Roger W., 1422, and **Katritzky**, Alan R., 1427.
- Southgate, Robert. See **Clayton**, J. Peter, 22.
- Southon, Ian W. See **Clark**, Jim, 1611, 1805, 1814.
- Spach, Gérard. See **Caille**, Anita, 1621.
- Spall, W. D. See **Ariyan**, Z. S., 447.
- Speight, David B. See **Chambers**, Richard D., 2673.
- Springs, E. Blecker. See **Ōmura**, Satoshi, 1627.
- Srinivasan, Panayensheri C. See **Abramovitch**, Rudolph A., 2589.
- Srivastava, G. 5-Methyl-1,3,2-benzodithiaborole and related compounds, 916.
- Srivastava, Krishna C. See **Chambers**, Richard D., 125.
- Stansfield, Frank. See **Amupitan**, Joseph O., 1949, and **Mathew**, Susan I., 540.
- Stavaux, Madeleine. See **Pedersen**, Carl Th., 2722.
- Stevens, Malcolm F. G. Triazines and related products. Part XIII. Decomposition of 4-arylamino-1,2,3-benzotriazines and their precursors in secondary amines, 615.
- Stevens, Malcolm F. G. See also **Siddiqui**, M. Shakil S., 609, 611, 2482.

- Stevenson, Robert.** See **Lehrer, Michael**, 1165.
- Stewart, George W.** See **Jackson, Anthony H.**, 1911.
- Steyn, Martin.** See **Steyn, Pieter S.**, 2551.
- Steyn, Pieter S., and Vleggaar, Robert.** Austocystins. Six novel dihydrofuro[3',2'-4,5]furo[3,2-*b*]xanthenones from *Aspegillus ustus*, 2250.
- Steyn, Pieter S., Vleggaar, Robert, Pitout, Martinus J. Steyn, Martin, and Thiel, Pieter G.** 3-Hydroxyafatoxin B₁: a new metabolite of *in vitro* aflatoxin B₁ metabolism by Vervet monkey (*Cercopithecus aethiops*) liver, 2551.
- Steyn, Pieter S.** See also **Vleggaar, Robert**, 45.
- Stirling, Charles J. M.** See **Colonna, Stefano**, 2120.
- Stollar, Hyman, and Klein, Joseph.** Hydroxy-group participation in the chlorination of thian 1-oxides, 1763.
- Stoodley, Richard J., and Watson, Nigel S.** Studies related to penicillins. Part XIII. Transformations of methyl α -[(2*R*,3*R*)-1-(2-hydroxy-2-methylpropionyl)-4-oxo-3-phenylacetamidoazetidino-2-ylthio]acetate. Part XIV. Oxidations of (4*R*,5*R*)-11,11-dimethyl-4-phenoxyacetamido-6-thia-2,9,10-triazatricyclo[6.3.0.0^{2,5}]undec-8-en-3-one, 252, 1632.
- Stoodley, Richard J., and Whitehouse, Nigel R.** Studies related to penicillins. Part XI. Mechanism of degradation of benzylpenicillinic and phenoxymethylpenicillinic acid by mercury(II) acetate, 181.
- Stoodley, Richard J., and Wilkins, Robert B.** Studies related to dihydro-1,4-thiazines. Part VI. Thermal racemisation of sulphoxides, 1572.
- Stoodley, Richard J.** See also **Corbett, David J.**, 185.
- Storer, Richard.** See **Pattenden, Gerald**, 1603, 1606.
- Storr, Richard C.** See **Gait, Stephanie F.**, 1248, and **Peek, Michael E.**, 1260.
- Strachan, John.** See **Hewett, Colin L.**, 897.
- Stradi, Riccardo, Pocar, Donato, and Cassio, Cesare.** Enamines. Part XXXVIII. Configurations of 1-aryl-1-dialkylaminopropenes, 2671.
- Streeting, Ian V.** See **Uff, Barrie C.**, 566.
- Suau, Rafael.** See **de Mayo, Paul**, 2559.
- Sultanbawa, M. Uvais S.** See **Dahanayake, Mahilal**, 2510, and **Somanathan, Ratmaswamy**, 2515.
- Suschitzky, Hans.** See **Chippendale, Kevan E.**, 1168, **Herbert, John A. L.**, 2657, **Iddon, Brian**, 575, 579, 2300, 2307, 2500, 2505, **Kerr, Geoffrey H.**, 1614, and **Martin, John**, 2451.
- Sutherland, Derek R., and Tennant, George.** The chemistry of polyazaheterocyclic compounds. Part VII. Extensions of a *v*-triazolo[1,5-*a*]quinazoline synthesis and a new route to 4-aminoquinazoline derivatives, 534.
- Sutherland, Ian O.** See **Nógrádi, Mihály**, 621.
- Sutherland, James K.** See **Bajorek, Jan J. S.**, 1243, and **Marshall, Peter**, 238.
- Suzuki, M.** See **Maki, Y.**, 1354.
- Swan, George A., and Wilcock, John D.** Reduction of some *N*-alkyl- and *N*-aryl-pyrrolidin-2-ones and -piperidin-2-ones by lithium aluminium hydride, 885.
- Swan, George A.** See also **Khandelwal, Ghanshyam D.**, 891.
- Sykes, Peter.** See **Gerlernt, Yoshiko**, 2610.
- Symon, John D.** See **Ingram, Alexander S.**, 242.
- Sypropoulos, Caroline G.** See **Grundon, Michael F.**, 2181.
- Szabó, Patricia.** Phosphorylated sugars. Part XIV. Synthesis of D-glycero-L-manno-heptose 7-(dihydrogen phosphate), 920.
- Szewczyk, Mark.** See **Heller, Harry G.**, 1483, 1487.
- Szilagyi, Imre.** See **Aberhart, John**, 816, and **Fehr, Theo**, 836.
- T**
- Taga, Naomasa.** See **Tanaka, Tadasu**, 2110.
- Tahir, Nazir A.** See **Moran, Daniel**, 2310.
- Tait, Alexander D.** See **Bladon, Peter**, 1468.
- Takeda, Hiromitsu.** See **Kametani, Tetsuji**, 2141.
- Takemura, Makoto.** See **Kametani, Tetsuji**, 2678.
- Takeshima, Tatsuo, Fukada, Naoki, Miyauchi, Tetsuko, Muraoka, Motomu, Yamamoto, Tatsuo, and Hayashi, Toshio.** Preparation of β -alkylimino-dithiocarboxylic acids, 914.
- Takeuchi, Yoshito.** See **Dennis, Nicholas**, 746, 1883.
- Tamir, Ilana.** See **Bergmann, Felix**, 470, and **Rahat, Miriam**, 2229.
- Tamm, Christoph.** See **Yagen, Boris**, 1994.
- Tamura, Yasumitsu, Miyamoto, Tomohisa, Eiho, Jiro, Taniguchi, Hiroshi, Nishimura, Tadashi, and Kita, Yasuyuki.** Synthesis of ylides stabilised by the 3-oxo-cyclohex-1-enyl group, 105.
- Tamura, Yasumitsu, Miyamoto, Tomohisa, Kiyokawa, Hiroshi, and Kita, Yasuyuki.** Reaction of dimethylxosulphonio- and triphenylphosphonio-(3-oxocyclohex-1-enyl)methanides with diphenylcyclopropanone, 2053.
- Tamura, Yasumitsu, Miyamoto, Tomohisa, Kiyokawa, Hiroshi, and Kita, Yasuyuki.** Michael addition of dimethylxosulphonio-(3-oxocyclohex-1-enyl)methanides to $\alpha\beta$ -unsaturated compounds: preparation of some vinylcyclopropanes, 1125.
- Tamura, Yasumitsu, Miyamoto, Tomohisa, Nishimura, Tadashi, Eiho, Jiro, and Kita, Yasuyuki.** Structure and some reactions of dimethylxosulphonio-(3-oxocyclohex-1-enyl)methanide, 102.
- Tanaka, Tadasu, Iijima, Ikuo, Miyazaki, Michihiko, and Iwakuma, Takeo.** Synthetic studies on pyrroloquinolines. Part III. Improved synthesis of 7-chloro-2,3-dihydro-4-methoxy-1*H*-pyrrolo[2,3-*b*]quinoline and its conversion into 3a,10b-diazacyclopenta[*g*h]phenanthrene derivatives, 1593.
- Tanaka, Tadasu, Taga, Naomasa, Miyazaki, Michihiko, and Iijima, Ikuo.** Synthetic studies on pyrroloquinolines. Part IV. Preparation of hydrogenated 3a-methylpyrrolo[3,2-*c*]quinolines, 2110.
- Taniguchi, Hiroshi.** See **Tamura, Yasumitsu**, 105.
- Tarasoff, Leonard, jun.** See **Gall, Ruth E.**, 881.
- Tasker, Peter A.** See **Acheson, R. Morrin**, 2496.
- Tatchell, Austin R.** See **Landor, Stephen R.**, 557, 1902, 1294.
- Taticchi, Aldo.** See **Fringuelli, Francesco**, 1103.
- Tatlow, J. Colin.** See **Coe, Paul L.**, 1732.
- Taulov, Ivan G.** See **Dennis, Nicholas**, 1883.
- Taylor, David A. H.** ¹³C Nuclear magnetic resonance spectra of some limonoids. Part I. The structure of procerin, an extractive from *Carapa procera*, 437.
- Taylor, David R.** See **Chia, Hock-Ann**, 1209, and **Kirk, Barrie E.**, 1844.
- Taylor, David S.** See **Chippendale, Kevan E.**, 1168, and **Iddon, Brian**, 575, 579, 2500, 2505.
- Taylor, Robert.** See **Hewett, Colin L.**, 897.
- Taylor, Richard J. K.** See **Jones, D. Neville**, 937, 2637.
- Tempesti, Ezio, Giuffrè, Luigi, Sioli, Giancarlo, Fornaroli, Mirco, and Airoidi, Giuseppe.** Mixed anhydrides of cyclohexanecarboxylic acid with sulphonic acids, 771.
- Temple, Patrick.** See **Jones, Martin**, 433.
- Tennant, George.** See **Sutherland, Derek R.**, 534.
- Terui, Tsunekazu.** See **Kametani, Tetsuji**, 2678.

- Tewari**, Naresh C., **Ayengar**, K. N. Narayan, and **Rangaswami**, Srinivasa. Triterpenes of the root-bark of *Salacia prenoioides* DC, 146.
- Thaller**, Viktor. See **Ahmed**, Mahtabuddin, 1981, **Bentley**, Roger K., 1987, **Hearn**, Milton T. W., 2335, and **Higham**, Cathryn A., 1991.
- Thea**, Sergio. See **Guanti**, Giuseppe, 2357.
- Thiel**, Pieter G. See **Steyn**, Pieter S., 2551.
- Thomas**, C. Barry. See **Clark**, Ferrers R. S., 1289, **Lethbridge**, Andrew, 1929, and **Norman**, Richard O. C., 369.
- Thomas**, Eric J. See **Jones**, Martin, 433.
- Thomas**, Idris L. See **Ellis**, Gwynn P., 2570.
- Thomas**, R. Nigel. See **Klyne**, William, 2565.
- Thompson**, Alan W. See **Iddon**, Brian, 2300, 2307.
- Thompson**, Merle. See **Brown**, Joseph Patrick, 863.
- Thomson**, Ronald H. See **Ferreira**, Margarida A., 2429, and **Forrester**, Alexander R., 2161.
- Thornton**, Ian M. S. See **Connolly**, Joseph D., 2487.
- Tickle**, Richard W., **Melton**, Timothy, and **Elvidge**, John A. Interaction of Grignard reagents with coumarins. Part I. Novel 1,4-addition, 569.
- Tiecco**, Marcello. See **Camaggi**, Carlo-Manrizio, 271.
- Tiley**, Edward P. See **Maddison**, Jack A., 81.
- Tipping**, Anthony E. See **Armstrong**, Stuart E., 2716, and **Haszeldine**, Robert N., 1303, 1440, 1706, 2293, 2391.
- Tishler**, Max. See **Ōmura**, Satoshi, 1627.
- Toh**, Hee T. See **Barton**, Derek H. R., 732, and **Broxton**, Trevor J., 1769.
- Toledano**, Eusebio. See **Sánchez**, Antonio Gómez, 1237.
- Tosa**, Takafumi. See **Pac**, Chyangjin, 561.
- Toube**, Trevor P. See **Hlubucek**, Joseph R., 848.
- Trautluft**, Marco. See **Del Buttero**, Paola, 1411.
- Travis**, Anthony S. See **Collins**, Peter M., 1895.
- Traynor**, John R., and **Wibberley**, D. George. Pyrrolo[1,2-*a*][1,3,5]triazine-2,4(1*H*,3*H*)-diones. Part I. Synthesis from 1,3,5-triazine-2,4(1*H*,3*H*)-diones. Part II. Synthesis from 3,4-disubstituted 2-aminopyrroles, 1781, 1786.
- Trippett**, Stuart. See **Bone**, Stephen, 2125.
- Trocha-Grimshaw**, Jadwiga. See **Begley**, William J., 2633, **Grimshaw**, James, 1383, **Haddad**, Yousif, M. Y., 592, 596, and **Henbest**, H. Bernard, 601, 607.
- Tsiquaye**, Kwesi N. See **Collins**, Peter M., 1895.
- Tucker**, John N. See **Reid**, Stewart T., 1359.
- Tucker**, Leslie C. N. See **Brimacombe**, John S., 263.
- Tundo**, Antonio. See **Benati**, Luisa, 1272, 1276, and **Camaggi**, Carlo-Maurizio, 271.
- Tunemoto**, Daiei. See **Kondo**, Kiyosi, 1279.
- Turjak-Zebić**, Vera. See **Škarič**, Vinko, 1406.
- Turner**, Alan B. See **Ali**, S. Mahmood, 2225, **Munro**, Hamish D., 1597, and **Singh**, Jag Megh, 2556.
- Turner**, John L. See **Hearn**, Milton T. W., 2335.
- Turner**, W. Brian. See **Aldridge**, David C., 1540.
- U**
- Uccella**, Nicola. See **Aversa**, Maria C., 209.
- Uchida**, Itsuo. See **Fujita**, Eiichi, 1547.
- Uff**, Barrie C., **Butcher**, Martin E., **Adams**, John V., **Streeting**, Ian T., and **Lewis**, John W. Enol acetate hydroboration, 566.
- Uff**, Barrie C., **Kershaw**, John R., and **Chhabra**, Siri Ram. Reissert compound chemistry. Part IV. *N*-Acylpseudo-base formation and stereochemistry, 1146.
- Ujiie**, Akira. See **Kametani**, Tetsuji, 1954.
- Ungaro**, Rocco. See **Casiraghi**, Giovanni, 2077.
- Urban**, Frank J. See **Barton**, Derek H. R., 2344.
- Urban**, Peter G. See **Chambers**, Richard D., 1513, 2580, 2584.
- Usgaokar**, Ramesh N. See **Mujumdar**, Ashok S., 2236.
- V**
- Valentin**, Ennio. See **Pitacco**, Giuliana, 1625.
- Valley**, Francis. See **Rothstein**, Eugene, 443.
- Vasanth**, Saradha. See **Purushothaman**, Kozhiparambil K., 2661.
- Vaughan**, Kenneth D. See **Glover**, Edward E., 1137.
- Verdini**, Antonio S. See **Boni**, Renzo, 2173.
- Verhoeven**, Jan W. See **de Gee**, Anton J., 676.
- Verlander**, Michael S. See **Acheson**, R. Morrin, 430.
- Viswanatha**, Venkatappa, and **Rao**, G. S. Krishna. Studies in terpenoids. Part XXXI. Synthesis of pyrocuzerenone, a furosesquiterpenoid from *Curcuma zedoaria*, 450.
- Viswanathan**, Narayanan. See **Govindachari**, Tuticorin R., 1161, 1215.
- Vleggaar**, Robert, **Steyn**, Pieter S., and **Nagel**, Dietmar W. Constitution and absolute configuration of austdiol, the main toxic metabolite from *Aspergillus ustus*, 45.
- Vleggaar**, Robert. See **Steyn**, Pieter S., 2250, 2551.
- Vogel**, Paul. See **Cresp**, Terry M., 37.
- Volpi**, Erio, **Del Cima**, Francesco, and **Pietra**, Francesco. Stereochemistry of ring enlargements with bridged systems. Comparison of the nitrous acid deamination of *endo*- and *exo*-2-aminomethylbicyclo[3.2.1]octan-2-ol with the reaction between bicyclo[3.2.1]octan-2-one and diazomethane, 703.
- W**
- Waight**, Eric S. See **King**, Graham S., 1499.
- Wakefield**, Basil J. See **Foulger**, Norman J., 871, and **Moran**, Daniel, 2310.
- Walker**, Brian J. See **Devlin**, Celestine J., 453.
- Walker**, Richard T. See **Gait**, Michael J., 1684.
- Wallace**, Timothy W. See **Arnold**, Barry J., 401, 409, 415.
- Wälti**, Manfred, and **Hope**, Derek B. Synthesis of [1-(*D*-2-hydroxy-3-mercaptopropanoic acid)]oxytocin, a diastereoisomer of the hydroxy-isostere of oxytocin, 202.
- Walton**, David R. M. See **Eaborn**, Colin, 870.
- Wanigasekera**, Devapriya S. See **Foster**, Roy, 1318.
- Warburton**, William K. See **Maddison**, Jack A., 81, and **Seale**, Peter W., 85.
- Ward**, Peter. See **Perkins**, M. John, 667.
- Ward**, Robert S. See **McCarney**, Colin C., 1381.
- Ward**, Terence J. See **Bancroft**, Keith C. C., 1852, and **Brewer**, John P. N., 2688.
- Wass**, John. See **Jackson**, Anthony H., 480.
- Watkins**, David A. M. See **Clark**, Terence, 2124.
- Watson**, Nigel S. See **Stoodley**, Richard J., 252, 1632.
- Watts**, Richard O'B. See **Haszeldine**, Robert N., 2391.
- Webb**, Brian. See **Sainsbury**, Malcolm, 1580.
- Webb**, Brian C. See **Robinson**, Stephen R., 2239.
- Webb**, Shirley B. See **Boyce**, Clive B. C., 1644, 1650.
- Webb**, Terence C. See **Bell**, John R., 1961.
- Webster**, Colin J. See **Musgrave**, Oliver C., 2260, 2263.
- Webster**, Robert G. See **Christie**, Robert M., 722.

- Weedon**, Basil C. L. See **Hlubucek**, Joseph R., 848.
Weekes, Joseph E. See **Hudson**, Harry R., 982.
Wells, Clifford H. J. See **Robinson**, Stephen R., 2239.
Wells, R. Bruce. See **Gordon-Gray**, C. Gordon, 1556.
Whelan, John. See **Conlon**, J. Michael, 713.
Whitehouse, Nigel R. See **Stoodley**, Richard J., 181.
Whitham, Gordon H. See **Burgoine**, Kenneth T., 2629,
Delbaere, Caroline U. L., 879, and **Jones**, Martin, 433.
Whiting, Donald A. See **Bandaranayake**, Wikramasinghe
M., 998, **Begley**, Michael J., 1230, and **Clarke**, David G.,
1007.
Whittingham, Alan. See **Coe**, Paul L., 917.
Whittle, Peter J. See **Bone**, Stephen, 2125.
Whitton, Brian R. See **Collins**, Peter M., 1069.
Wibberley, D. G. See **Irwin**, W. J., 250.
Wibberley, D. George. See **Duffy**, Thomas D., 1921, and
Traynor, John R., 1781, 1786.
Widdowson, David A. See **Barton**, Derek H. R., 346, 1326,
2278, and **Marsham**, Peter, 238.
Wiewiorowski, Maciej. See **Klyne**, William, 2565.
Wife, Richard L. See **Jones**, David W., 1.
Wilcock, John D. See **Swan**, George A., 885.
Wilcox, Edward J. See **Reid**, Stewart, T., 1359.
Wilkins, Alistair L. See **Jones**, Sir Ewart R. H., 2376.
Wilkins, Hazel J. See **Hanson**, James R., 1388.
Wilkins, Robert B. See **Stoodley**, Richard J., 1572.
Wilkinson, Malcolm. See **Birchall**, J. Michael, 1740.
Wilkinson, Patricia A. See **Bailey**, A. Sydney, 1321.
Williams, Dudley H. See **Smith**, Kenneth A., 2369.
Williams, Gareth H. See **Rees**, Yvonne, 2266.
Willson, John S. See **Clark**, Ferrers R. S., 1289.
Wolkoff, Peder, and **Gibson**, Martin S. Formation of bis-
[α -arylhydrazono]aralkyl] disulphides from *N*-aryl-*N'*-
thioaroylhydrazines and sulphonyl chlorides, and related
topics, 1173.
Wong, Francis F. See **Carson**, John F., 685.
Wong, John L., and **Fuchs**, David S. Reactivities and
electronic aspects of nucleic acid heterocycles. Part III.
Hydrolytic behaviour of 6-methoxypurines, 1284.
Wood, Hamish C. S., **Wrigglesworth**, Roger, **Yeowell**, David
A., **Gurney**, Frederick W., and **Hurlbert**, B. Stuart.
Specific enzyme inhibitors in vitamin biosynthesis. Part
II. Revised structures for some 8-substituted pyrido[2,3-
d]pyrimidines, 1225.
Woodgate, Paul D. See **Flynn**, Randy G. A., 964.
Woods, Gilbert F. See **Campbell**, Alex C., 1799.
Woods, Robin A. See **Barton**, Derek, H. R., 1326.
Wooldridge, Kenneth R. H. See **Palfreyman**, Malcolm N.,
57.
Woollard, John Mck. See **Cliff**, Geoffrey R., 2072.
Wrigglesworth, Roger. See **Wood**, Hamish C. S., 1225.
Wright, Paul W. See **Harrison**, Roger G., 2654.
Wright, Susan. See **Jones**, Geraint, 1676.
Wyatt, Michael. See **Coe**, Paul L., 1732.
Yagen, Boris, **O'Grodnick**, Joseph S., **Caspi**, Eliahu, and
Tamm, Christoph. Reduction of the 24,25-double bond
of lanosterol *in vivo* in the rat. Stereochemistry of the
addition of the C-25 proton in the biosynthesis of chole-
sterol, 1994.

Y

- Yamaguchi**, Tomonobu. See **Ogawa**, Shojiro, 976.
Yamamoto, Tatsuo. See **Takeshima**, Tatsuo, 914.
Yamanchi, Sadami. See **Ninomiya**, Ichiya, 1747.
Yates, Frank S., and **Blair**, Ian. Pyrimidotriazine studies.
Part I. Ethyl 7-chloropyrimido(5,4-*e*]-*as*-triazine-5-
carboxylate and related compounds, 1565.
Yates, Judith A. See **Ahmed**, Mahtabuddin, 1981.
Yates, Paul. See **Davies**, David G., 2399.
Yeowell, David A. See **Wood**, Hamish C. S., 1225.
Young, Cyril A. See **Bentley**, Kenneth W., 682.
Young, Douglas W. See **Cheney**, John, 986.
Young, J. Michael. Reactions of dipotassium diazomethane-
disulphonate in aqueous solution, 2541.
Young, Kenneth. See **Chexal**, Kuldip K., 1584.
Young, Robert N. See **Barton**, Derek H. R., 2101.
Youssefyeh, Raymond D., and **Lichtenberg**, Leora. Photo-
lysis of 5,6-iodo-1,3-dimethyluracil in benzene and in
furan, 2649.
Yusuf, Hafiz M. See **Lamberton**, Alexander H., 956.

Z

- Zamet**, Jean-Jacques, **Haddadin**, Makhluif J., and **Issidor-
ides**, Costas H. Reaction of benzofurazan oxides with
benzofuran-2(2*H*)-ones, and a new synthesis of benzo-
furo[2,3-*b*]quinoxalines, 1687.
Zanardi, Guiseppe. See **Benati**, Luisa, 1272, 1276.
Zurquyah, Ahmed. See **Henbest**, H. Bernard, 604.