

COMMUNICATIONS TO PROCEEDINGS: INDEX OF AUTHORS, 1959

The following index relates to Scientific Communications published in *Proceedings of the Chemical Society*, 1959.

A

- Acheson**, R. M., and **Taylor**, G. A. Pyridine and methyl acetylenedicarboxylate, 186.
- Addison**, C. C. See **Porter**, R. F., 11.
- Ahmed**, A. K. S., and **Wilkins**, R. G. The application of the stopped-flow method to the study of the dissociation of some nickel complexes, 399.
- Ahmad**, M. S., **Baddeley**, G., **Heaton**, B. G., and **Rasburn**, J. W. Vinyl ethers from the reaction of decalin with Friedel-Crafts acylating agents, 395.
- Aldrich**, P. E. See **van Tamelen**, E. E., 309.
- Allen**, G. See **Stretch**, C., 399.
- Anet**, F. A. L. The nuclear magnetic resonance spectra of *meso*- and racemic 2,3-dibromobutane, 327.
- Angus**, H. J. F., and **Bryce-Smith**, D. Addition of maleic anhydride to benzene, 326.
- Arigoni**, D., **Barton**, D. H. R., **Bernasconi**, R., **Djerassi**, C., **Mills**, J. S., and **Wolff**, R. The constitutions of dam-marenolic and nectanthic acids, 306.
- Aspinall**, G. O., **Cairncross**, I. M., and **Nicolson**, A. Aldo-biouronic acids from catalytically oxidised polysaccharides, 270.
- Autrey**, R. L., **Barton**, D. H. R., and **Reusch**, W. M. Photo-chemical cleavage of a triterpenoid cyclohexadiene, 55.
- Aynsley**, E. E., **Dodd**, R. E., and **Little**, R. Fluorine cyanide, 265.

B

- Bacon**, R. G. R., **Guy**, R. G., **Irwin**, R. S., and **Robinson**, T. A. Heterolytic and homolytic fission of S-S and S-Cl bonds, 304.
- Bacon**, R. G. R., and **Hanna**, W. J. W. Oxidations by argentic picolinate, 305.
- Baddeley**, G. See **Ahmad**, M. S., 395.
- Baker**, W., **Ollis**, W. D., and **Robinson**, K. W. Biflavonyls. The structures of kavaflavone and sotetsuflavone, 269.
- Baker**, W., **Finch**, A. C. M., **Ollis**, W. D., and **Robinson**, K. W. Biflavonyls, a new class of natural product. The structures of ginkgetin, isoginkgetin, and sciadopitysin, 91.
- Bannister**, E. See **Cotton**, F. A., 158.
- Banwell**, C. N., **Cohen**, A. D., **Sheppard**, N., and **Turner**, J. J. The magnitudes and relative signs of hydrogen spin-spin coupling constants in hydrocarbon groupings, 266.
- Barber**, M. S., **Jackman**, L. M., and **Weedon**, B. C. L. The structures of spirilloxanthin and related carotenoids, 96.
- Barnes**, R. See **Cotton**, F. A., 158.
- Barr**, D. A., **Haszeldine**, R. N., and **Willis**, C. J. New elastomers containing fluorine, 230.
- Barrow**, R. F., **Morgan**, E., and **Wright**, C. V. Internuclear distances in gaseous silver halides, 303.
- Bartels-Keith**, J. R., and **Grove**, John Frederick. The structure of alternaric acid, 398.
- Barton**, D. H. R., and **Gilham**, P. T. The stereochemistry of lumisantonin, 391.
- Barton**, D. H. R. See also **Arigoni**, D., 306, and **Autrey**, R. L., 55.
- Battersby**, A. R., and **Garratt**, S. The absolute stereochemistry of emetine: optical correlation with the indole alkaloids, 86.
- Battersby**, A. R., and **Harper**, B. J. T. Biogenesis of papaverine, 152.
- Battersby**, A. R., and **Hodson**, H. F. The structure of diabolone, 126.

- Bawn**, C. E. H., and **Gladstone**, J. Alkyltitanium trihalides, 227.
- Bawn**, C. E. H., **Margerison**, D., and **Richardson**, N. M. The polymerisation of methyl methacrylate initiated by alkyl-boron compounds, 397.
- Becconsall**, J. K., **Clough**, S., and **Scott**, G. Electron magnetic resonance study of free phenoxy-radicals, 308.
- Bender**, P. See **van Tamelen**, E. E., 309.
- Berkoff**, C. E., and **Crombie**, L. "Citrylidene-malonic acid," 400.
- Berkoz**, B., and **Djerassi**, C. Macrolide antibiotics. Part IX. Filipin, 316.
- Bernal**, I., **Ebsworth**, E. A. V., and **Weil**, J. A. Paramagnetic resonance absorption in peroxydicobalt complexes, 57.
- Bernasconi**, R. See **Arigoni**, D., 306.
- Birch**, A. J., **Hodson**, H. F., and **Smith**, G. F. Echitamine, 224.
- Birchall**, J. M., **Bloom**, A. J., **Haszeldine**, R. N., and **Willis**, C. J. Fluoroalkyl nitroso-compounds, 367.
- Blake**, D., **Calvin**, G., and **Coates**, G. E. Copper and silver ethynyl co-ordination complexes, 396.
- Bloom**, A. J. See **Birchall**, J. M., 367.
- Borer**, K., and **Phillips**, C. S. G. The separation of volatile silanes and germanes by gas-liquid chromatography, 189.
- Boyd**, G. V. 4-1'-Indenyldiene-2-ene: an oxygen analogue of cyclopentadienyldienecycloheptatriene, 93.
- Bradley**, D. C., and **Thomas**, I. M. Dialkylamido-derivatives of titanium, zirconium, and tantalum, 325.
- Bryce-Smith**, D. See **Angus**, H. J. F., 326.
- Bunyan**, P. J., and **Hey**, D. H. Two new anodic reactions, 366.
- Burrell**, J. W. K., **Jackman**, L. M., and **Weedon**, B. C. L. Stereochemistry and synthesis of phytol, geraniol, and nerol, 263.
- Burrows**, B. F., **Finch**, N., **Ollis**, W. D., and **Sutherland**, I. O. Mundulone, 150.
- Burstein**, S. See **Sondheimer**, F., 228.

C

- Cairncross**, I. M. See **Aspinall**, G. O., 270.
- Callomon**, J. H. Emission spectrum of ionised nitrous oxide, N_2O^+ , 313.
- Calvin**, G. See **Blake**, D., 396.
- Campbell**, I. G. M., and **Way**, J. K. A new route to heterocyclic phosphorus compounds, 231.
- Cartledge**, J., and **Tipper**, C. F. H. Peroxides formed during the slow combustion of heptane, 190.
- Case**, J. R., **Clarkson**, R., **Jones**, E. R. H., and **Whiting**, M. C. New iron-acetylene-carbonyl complexes, 150.
- Cavalca**, L., **Nardelli**, M., and **Fava**, G. The crystal structure of di-(2-thioimidazolidine)cadmium thiocyanate, 159.
- Chang**, C. T. See **Chen**, F. C., 232.
- Chatt**, J., and **Hayter**, R. G. Complex hydrides and alkyls of ruthenium, and a hydride of osmium, 153.
- Chen**, F. C., **Chang**, C. T., **Hung**, M., **Lin**, Y. C., and **Choong**, S. T. Synthesis of biflavonyls, 232.
- Choong**, S. T. See **Chen**, F. C., 232.
- Clark-Lewis**, J. W. The relative configuration of catechin and epicatechin: 1,2-rearrangement in the reduction of the diastereoisomers to the same enantiomorph of a propan-1-ol, 388.
- Clarkson**, R. See **Case**, J. R., 150.
- Clay**, P. G., **Weiss**, J., and **Whiston**, J. The action of ^{60}Co - γ -radiation on propene and allyl alcohol in aqueous solution, 125.

Clough, S. See **Becconsall, J. K.**, 308.
Coates, G. E. See **Blake, D.**, 396.
Cohen, A. D. See **Banwell, C. N.**, 266.
Connolly, J. D., and Overton, K. H. The structure of the lactone $C_{10}H_{16}O_4$ obtained in the Baeyer-Villiger oxidation of camphor, 188.
Cookson, R. C., and Hudec, J. The structure of a saturated photo-dimer of 2,5-dimethylbenzoquinone, 11.
Cotton, F. A., Bannister, E., Barnes, R., and Holm, R. H. New tetrahedral complex cations with phosphine oxide ligands, 158.
Cotton, F. A. See also **George, J. W.**, 317.
Cox, J. J. See **Irving, H.**, 324.
Crabbe, P., Djerassi, C., Eisenbraun, E. J., and Liu, S. Optical rotatory dispersion studies. Part XXIX. Absolute configuration of phytol, 264.
Craig, D. P., Hollas, J. M., Redies, M. F., and Wait, S. C., jun. The vapour absorption spectrum of naphthalene at 3200 Å, 361.
Craig, D. P., Lyons, L. E., Walmsley, S. H., and Walsh, D. R. The crystal spectra of vibrationally induced transitions: the naphthalene 3200 Å system at 4°, 389.
Cresswell, R. M., and Wood, H. C. S. Chemical studies of the biosynthesis of riboflavin, 387.
Crombie, L. See **Berkoff, C. E.**, 400.
Cross, B. E., Grove, John Frederick, MacMillan, J., Moffatt, J. S., Mulholland, T. P. C., Seaton, J. C., and Sheppard, N. A revised structure for gibberellic acid, 302.

D

Dekker, C. A. See **Walwick, E. R.**, 84.
den Hertog, H. J., and Smit, P. Effect of benzene as a solvent on the photochlorination of butyryl, valeryl, and hexanoyl chloride, 132.
Dewar, M. J. S., and Puttnam, N. Z. The action of aluminium bromide on phenyl *s*-butyl ether, 58.
Dhar, M. L., Thaller, V., Whiting, M. C., Ryhage, R., Stållberg-Stenhagen, S., and Stenhagen, E. The carbon skeleton of lagosin (antibiotic A 246), 154.
Djerassi, C. See **Arigoni, D.**, 306, **Berkoz, B.**, 316, **Crabbe, P.**, 264, and **Edwards, J. A.**, 87.
Dodd, R. E. See **Aynsley, E. E.**, 265.
Duffy, R., and Holliday, A. K. Trimethyl-lead hydride, 124.
Dunitz, J. D., and Shearer, H. M. M. Structure of the cyclododecane molecule: amendment, 268.

E

Ebsworth, E. A. V. See **Bernal, I.**, 57.
Edgington, C. N. See **Irving, H.**, 360.
Edwards, J. A., Zaffaroni, A., Ringold, H. J., and Djerassi, C. 6 α -Fluoro-16 α -methylhydrocortisone and related steroids, 87.
Edwards, O. E., and Howe, R. Removal of the nitrogen from diterpenoid alkaloids: an abnormal carboxylic acid, 62.
Edwards, O. E., Los, M., and Marion, L. Isolycoctonine and the structure of hydroxylycoctonine salts, 192.
Eisenbraun, E. J. See **Crabbe, P.**, 264.
Eley, D. D., and Shooter, D. Catalytic activity in the first transition series, 315.
Elks, J., Oughton, J. F., and Stephenson, L. The dienone-phenol rearrangement of prednisone acetate, 6.
Elvidge, J. A., and Jackman, L. M. Relative signs of proton spin-spin coupling constants in a conjugated diene system, 89.
Elvidge, J. A., and Lever, A. B. P. Manganese phthalocyanine as oxygen carrier, 195.
Elvidge, J. A., and Lever, A. B. P. Perpendicular conjugation in some octahedral metallophthalocyanine derivatives, 123.

F

Farmer, D. W. A. See **Kent, P. W.**, 187.
Fava, G. See **Cavalca, L.**, 159, **Nardelli, M.**, 194.
Finch, A. C. M. See **Baker, W.**, 91.

Finch, N. See **Burrows, B. F.**, 150.
Fishman, J., Jones, E. R. H., Lowe, G., and Whiting, M. C. The structure and biogenesis of trichothecin, 127.
Fowden, L., Noe, F. F., Ridd, J. H., and White, R. F. M. The nuclear magnetic resonance spectrum of a new plant amino-acid. Evidence for a pyrazole ring, 131.
Frankel, M. See **Zilkha, A.**, 364.
Fredricks, P. S., and Tedder, J. M. A stereospecific free radical, 9.
Frey, H. M. The abstraction reaction of methylene, 318.
Frey, H. M. The photolysis of di-*t*-butyl peroxide, 385.

G

Garratt, S. See **Battersby, A. R.**, 86.
George, J. W., and Cotton, F. A. The reaction of disulphur decafluoride with chlorine, 317.
Gilham, P. T. See **Barton, D. H. R.**, 391.
Gladstone, J. See **Bawn, C. E. H.**, 227.
Govindachari, T. R., and Rajappa, S. Echitamine, 134.
Grant, W. K., and Speakman, J. C. Molecular structure of a macrocyclic polyacetylene, 231.
Green, M., and Hudson, R. F. Displacement reactions of optically active phosphorus compounds, 227.
Green, M., and Hudson, R. F. The reactivity of anions towards acylating agents, 149.
Griffin, C. E., and Haszeldine, R. N. Trifluoronitrosoethylene and its polymers, 369.
Grove, John Frederick. See **Bartels-Keith, J. R.**, 398, and **Cross, B. E.**, 302.
Guy, R. G. See **Bacon, R. G. R.**, 304.

H

Hall, D. M., and Harris, M. M. The steric effect of the trifluoromethyl group, 396.
Hanna, W. J. W. See **Bacon, R. G. R.**, 305.
Hargreaves, G. B., and Peacock, R. D. The highest fluoride of osmium, 85.
Harper, B. J. T. See **Battersby, A. R.**, 152.
Harris, M. M. Activation energy and entropy in the racemisation of 2,2'-dibromodiphenyl-4,4'-dicarboxylic acid in ethanol, 367.
Harris, M. M. See also **Hall, D. M.**, 396.
Harrison, I. T., Hurst, R. A. A., and Lythgoe, B. Epicalciferol, 269.
Hassel, O., and Pederson, B. F. Conformation of dimethylpiperazine in its palladous chloride compound, 394.
Haszeldine, R. N., and Young, J. C. α -Elimination and carbene formation from silicon compounds, 394.
Haszeldine, R. N. See also **Barr, D. A.**, 230, **Birchall, J. M.**, 367, and **Griffin, C. E.**, 369.
Hayter, R. G. See **Chatt, J.**, 153.
Heaton, B. G. See **Ahmad, M. S.**, 395.
Henbest, H. B., and Patton, R. The formation of substituted ethylenediamines from reactions of tertiary amines with *t*-butoxy-radicals, 225.
Hey, D. H. See **Bunyan, P. J.**, 366.
Hickling, A., and Newns, G. R. The synthesis of hydrazine by glow-discharge electrolysis of liquid ammonia, 272 (repeated with accompanying diagram, 368).
Higham, P., and Richards, R. E. The use of spherical samples in high-resolution nuclear resonance spectroscopy, 128.
Hill, R. K., and Martin, J. G. Stereochemistry of the bis-butadiene-benzoquinone adduct, 390.
Hinton, R. C., Mann, F. G., and Todd, D. The abnormal hydrolysis of certain (2-substituted ethyl)phosphines, 365.
Hodson, H. F. See **Battersby, A. R.**, 126, and **Birch, A. J.**, 224.
Hollas, J. M. See **Craig, D. P.**, 361.
Holliday, A. K. See **Duffy, R.**, 124.
Holm, R. H. See **Cotton, F. A.**, 158.
Hough, L., and Richardson, A. C. Oxonium cation intermediates in the nucleophilic degradation of diethylsulphonylpyranosylmethane derivatives, 193.
Howe, R. See **Edwards, O. E.**, 62.

- Hudec, J.** See **Cookson, R. C.**, 11.
Hudson, R. F. See **Green, M.**, 149, 227.
Hung, M. See **Chen, F. C.**, 232.
Hurst, J. J., and Whitham, G. H. Synthesis of chrysanthenone by the photoisomerisation of verbenone, 160.
Hurst, R. A. A. See **Harrison, I. T.**, 269.

I

- Irving, H., and Cox, J. J.** A novel relationship between the stability of certain metal halides and the absorption spectra of their complexes with dithizone, 324.
Irving, H., and Edgington, D. N. Synergic effects in the solvent extraction of uranium, 360.
Irwin, R. S. See **Bacon, R. G. R.**, 304.

J

- Jackman, L. M.** See **Barber, M. S.**, 96, **Burrell, J. W. K.**, 263, and **Elvidge, J. A.**, 89.
Jackson, R. H., and Millen, D. J. Microwave spectrum and nuclear quadrupole coupling coefficients for chlorine monoxide, 10.
Jellinek, F. Existence of the trifluoromethylmercaptide ion, 319.
Jones, E. R. H. See **Case, J. R.**, 150; **Fishman, J.**, 127.
Jones, R. A. Y., Katritzky, A. R., and Michalski, J. The structure of tetraethyl monothioxyphosphate and monoselenopyrophosphate, 321.
Joule, J. A., and Smith, G. F. The oxidation of isostychnic acid, 322.

K

- Katritzky, A. R.** See **Jones, R. A. Y.**, 321.
Kennedy, T., Payne, D. S., Reed, R. I., and Snedden, W. The mass spectra of phosphorus(v) halides, 133.
Kent, P. W., Farmer, D. W. A., and Taylor, N. F. An exchange reaction with 1,6-anhydro-3,4-isopropylidene-2-O-methanesulphonyl- β -D-galactose, 187.
Kettle, S. F. A., and Orgel, L. E. Trimerisation of benzonitrile by iron carbonyls, 307.
King, T. J., and Yardley, J. P. The structure of basic acid, 393.
Kirk, A. D., and Knox, J. H. The role of hydroperoxides in the oxidation of ethane and propane at 320°C, 384.
Kläning, U. K., and Symons, M. C. R. The photo-induced oxidation of propan-2-ol by acid chromate, 95.
Knox, G. R. Azoferrocenes, 56.
Knox, J. H. See **Kirk, A. D.**, 384.
Kohnstam, G., Queen, A., and Shillaker, B. Simultaneous unimolecular and bimolecular reactions in nucleophilic substitution, 157.

L

- Lagowski, J. J., and Thompson, P. G.** Perfluoroalkyl-boron compounds, 301.
Landor, S. R., and Taylor-Smith, R. A stereospecific synthesis of an optically active allene, 154.
Lappert, M. F. Cyclic organic boron compounds. Part III. *B*-Aminoborazoles and their polycondensates, 59.
Lavie, D., and Willner, D. Structures of α -elaterin and its degradation products, 191.
Le Fèvre, R. J. W. Stretching frequencies and longitudinal polarisabilities of bonds, 363.
Lever, A. B. P. See **Elvidge, J. A.**, 123, 195.
Lin, Y. C. See **Chen, F. C.**, 232.
Little, R. See **Aynsley, E. E.**, 265.
Liu, S. See **Crabbe, P.**, 264.
Long, R., and Todd, J. R. Peroxides formed during the slow combustion of *n*-heptane, 328.
Los, M. See **Edwards, O. E.**, 192.
Lowe, G. See **Fishman, J.**, 127.
Lyons, L. E. See **Craig, D. P.**, 389.
Lythgoe, B. See **Harrison, I. T.**, 269.

M

- McKean, D. C., Taylor, R., and Woodward, L. A.** The Raman spectrum and structure of disilyl [¹⁸O]ether, 321.
MacMillan, J., Seaton, J. C., and Suter, P. J. A new plant-growth promoting acid, gibberellin A₃, from the seeds of *Phaseolus multiflorus*, 325.
MacMillan, J. See also **Cross, B. E.**, 302.
Mann, F. G. See **Hinton, R. C.**, 365.
Manuel, T. A., and Stone, F. G. A. Cyclo-octatetraene-ion complexes, 90.
Margerison, D. See **Bawn, C. E. H.**, 397.
Marion, L. See **Edwards, O. E.**, 192.
Martin, D. L., and Rossotti, F. J. C. The hydrogen-bonding of monocarboxylates in aqueous solution, 60.
Martin, J. G. See **Hill, R. K.**, 390.
Mazur, Y., Nussim, M., and Sondheimer, F. The 1,4-reduction of 7-dehydrocholesterol with diborane. A new synthesis of cholest-6-en-3 β -ol, 314.
Michalski, J. See **Jones, R. A. Y.**, 321.
Millen, D. J. See **Jackson, R. H.**, 10.
Miller, G. See **van Tarnelen, E. E.**, 309.
Mills, J. S. See **Arigoni, D.**, 306.
Mills, O. S., and Robinson, G. The structure of a complex of empirical formula Co₂(CO)₈CH₂CH and its relation to a proposed structure for cobalt octacarbonyl, 156 (erroneously paginated 56).
Moffatt, J. S. See **Cross, B. E.**, 302.
Moore, B., and Wilkinson, G. Six-membered heterocyclic sandwich compounds of transition metals, 61.
Morgan, E. See **Barrow, R. F.**, 303.
Mullholland, T. P. C. See **Cross, B. E.**, 302.
Munro, J. D., and Pauson, P. L. Reactions of tricarbonyl-tropyliumchromium perchlorate with anions: a novel rearrangement, 267.

N

- Nagarajaiah, H. S., Sharpe, A. G., and Wakefield, D. B.** The interaction of cyanide ion and cobalt(III) complexes, 385.
Nardelli, M., and Fava, G. The crystal structure of mono-(thiourea)lead(II) acetate, 194.
Nardelli, M. See **Cavalca, L.**, 159.
Neta, P. See **Zilkha, A.**, 364.
News, G. R. See **Hickling, A.**, 272, 368.
Nicolson, A. See **Aspinall, G. O.**, 270.
Noe, F. F. See **Fowden, L.**, 131.
Nussim, M. See **Mazur, Y.**, 314.
Nyholm, R. S., and Rao, D. V. R. Substituted manganese carbonyl derivatives, 130.

O

- Ollis, W. D.** See **Baker, W.**, 91, 269, and **Burrows, B. F.**, 150.
Orgel, L. E. See **Kettle, S. F. A.**, 307.
Oughton, J. F. See **Elks, J.**, 6.
Overton, K. H. See **Connolly, J. D.**, 188.

P

- Palit, S. R.** See **Rao, M. L. B.**, 222, 223.
Patton, R. See **Henbest, H. B.**, 225.
Pauson, P. L. See **Munro, J. D.**, 267.
Payne, D. S. See **Kennedy, T.**, 133.
Peacock, R. D. See **Hargreaves, G. B.**, 85.
Pederson, B. F. See **Hassel, O.**, 394.
Phillips, C. S. G. See **Borer, K.**, 189.
Pocker, Y. Ionisation and dissociation of triphenylmethyl chloride in liquid sulphur dioxide, 386.
Pocker, Y. Kinetics and mechanisms of reaction of (–)-4-methyldiphenylmethyl, (–)-1-phenylallyl, and 3 α ,5 α -cyclocholestan-6 β -yl [¹⁴C]acetate in acetic acid, 226.
Porter, R. F., Schoonmaker, R. C., and Addison, C. C. Mass spectrum of gaseous cupric nitrate, 11.
Prail, P. F. G., and Whitear, A. L. A convenient method for the preparation of some substituted pyridines, 312.
Puttnam, N. A. See **Dewar, M. J. S.**, 58.

Q

Queen, A. See Kohnstam, G., 157.

R

- Rajappa, S. See Govindachari, T. R., 134.
 Randall, E. W., and Sutton, L. E. The electric dipole moments of some aromatic chromium tricarbonyl complexes, 93.
 Rao, D. V. R. See Nyholm, R. S., 130.
 Rao, M. L. B., and Palit, S. R. "Denaturation" of a synthetic polyampholyte, 222. A polyampholyte with a "built-in dye," 223.
 Rasburn, J. W. See Ahmad, M. S., 395.
 Redies, M. F. See Craig, D. P., 361.
 Reed, R. I. See Kennedy, T., 133.
 Reusch, W. H. See Autrey, R. L., 55.
 Richards, R. E. See Higham, P., 128.
 Richardson, A. C. See Hough, L., 193.
 Richardson, N. M. See Bawn, C. E. H., 397.
 Ridd, J. H. See Fowden, L., 131.
 Ringold, H. J. See Edwards, J. A., 87.
 Roberts, W. K. See Walwick, E. R., 84.
 Robinson, G. See Mills, O. S., 156 (erroneously paginated 56).
 Robinson, K. W. See Baker, W., 91, 269.
 Robinson, T. A. See Bacon, R. G. R., 304.
 Rosenbaum, J., and Symons, M. C. R. Direct detection of trimethylcarbonium ions, 92.
 Rossotti, F. J. C. See Martin, D. L., 60.
 Ryhage, R. See Dhar, M. L., 154.

S

- Saville, B. The use of a thiol-disulphide interchange in the detection of thiols, 160.
 Schneider, E. E., and Weiss, J. Electron spin resonance in crystals of the aminoperoxydicobalt complexes, 130.
 Schoonmaker, R. C. See Porter, R. F., 11.
 Scott, G. See Beconsall, J. K., 308.
 Searle, H. T. The preparation of methylphosphonitriles, 7.
 Seaton, J. C. See Cross, B. E., 302, and MacMillan, J., 325.
 Sharpe, A. G. See Nagarajaiah, H. S., 385.
 Shaw, R., and Trotman-Dickenson, A. F. The reactions of methoxyl radicals, 61.
 Shearer, H. M. M. See Dunitz, J. D., 268.
 Sheppard, N. See Banwell, C. N., 266, and Cross, B. E., 302.
 Sheridan, J. See Tyler, J. K., 155.
 Shillaker, B. See Kohnstam, G., 157.
 Smit, P. See den Hertog, H. J., 132.
 Smith, G. F. See Birch, A. J., 224, and Joule, J. A., 322.
 Smith, J., and Thomson, R. H. The oosporein-tomichaedin degradation: novel conversion of a dibenzoquinone into a naphthaquinone, 95.
 Snedden, W. See Kennedy, T., 133.
 Sondheimer, F., and Burstein, S. The conversion of a 14 α - into a 14 β -hydroxy-group in the androstane series, 228.
 Sondheimer, F. See also Mazur, Y., 314.
 Speakman, J. C. The crystal structure of, and the hydrogen bond in, sodium hydrogen diacetate, 316.
 Speakman, J. C. See also Grant, W. K., 231.
 Ställberg-Stenhagen, S. See Dhar, M. L., 154.
 Stenhagen, E. See Dhar, M. L., 154.
 Stephenson, L. See Elks, J., 6.
 Stretch, C., and Allen, G. Anionic polymerisation of styrene, 399.
 Stone, F. G. A. See Manuel, T. A., 90.
 Suter, P. J. See MacMillan, J., 325.
 Sutherland, I. O. See Burrows, B. F., 150.
 Sutton, L. E. See Randall, E. W., 93.
 Symons, M. C. R. See Klänning, U. K., 95, and Rosenbaum, J., 92.

T

- Taylor, G. A. See Acheson, R. M., 186.
 Taylor, N. F. See Kent, P. W., 187.
 Taylor, R. See McKean, D. C., 321.
 Taylor-Smith, R. See Landor, S. R., 154.
 Tedder, J. M. See Fredricks, P. S., 9.
 Thaller, V. See Dhar, M. L., 154.
 Thomas, I. M. See Bradley, D. C., 225.
 Thomas, L. F. See Tyler, J. K., 155.
 Thomas, R. The biosynthesis of alternariol, 88.
 Thompson, P. G. See Lagowski, J. J., 301.
 Thomson, R. H. See Smith, J., 95.
 Tipper, C. F. H. See Carlidge, J., 190.
 Todd, D. See Hinton, R. C., 365.
 Todd, J. R. See Long, R., 328.
 Trotman-Dickenson, A. F. See Shaw, R., 61.
 Turner, J. J. See Banwell, C. N., 266.
 Tyler, J. K., Thomas, L. F., and Sheridan, J. Microwave spectrum and structure of cyanamide, 155.

V

- Valkanas, G., and Waight, E. S. The solvolysis of 1-phenylallyl chloride and the reactivity of the phenylallyl carbonium ion, 8.
 van Tamelen, E. E., Aldrich, P. E., Bender, P., and Miller, G. Structure of Diels and Alder's quinoline-acetylenedicarboxylic ester adducts. A contribution to the cyclodecapentaene problem, 309.

W

- Wagner, W. M. A new synthesis of dichlorocarbene, 229.
 Waight, E. S. See Valkanas, G., 8.
 Wait, S. C., jun. See Craig, D. P., 361.
 Wakefield, D. B. See Nagarajaiah, H. S., 385.
 Wallwork, S. C. The crystal structure of anhydrous cupric nitrate, 311.
 Walmsley, S. H. See Craig, D. P., 389.
 Walsh, J. R. See Craig, D. P., 389.
 Walwick, E. R., Roberts, W. K., and Dekker, C. A. Cyclisation during the phosphorylation of uridine and cytidine by polyphosphoric acid: a new route to the O²,2'-cyclo-nucleosides, 84.
 Way, J. K. See Campbell, I. G. M., 231.
 Weedon, B. C. L. See Barber, M. S., 96, and Burrell, J. W. K., 263.
 Weil, J. A. See Bernal, I., 57.
 Weiss, J. See Clay, P. G., 125, and Schneider, E. E., 130.
 Whiston, J. See Clay, P. G., 125.
 White, R. F. M. See Fowden, L., 131.
 Whitear, A. L. See Prail, P. F. G., 312.
 Whitham, G. H. The structure of nycanthic acid, 271.
 Whitham, G. H. See also Hurst, J. J., 160.
 Whiting, M. C. See Case, J. R., 150, Dhar, M. L., 154, and Fishman, J., 127.
 Wilkinson, G. See Moore, B., 61.
 Willis, C. J. See Barr, D. A., 230, and Birchall, J. M., 367.
 Willner, D. See Lavie, D., 191.
 Wilkins, R. G. See Ahmed, A. K. S., 400.
 Wolf, R. See Arigoni, D., 306.
 Wood, H. C. S. See Cresswell, R. M., 387.
 Woodward, L. A. See McKean, D. C., 321.
 Wright, C. V. See Barrow, R. F., 303.

Y

- Yardley, J. P. See King, T. J., 393.
 Young, I. C. See Haszeldine, R. N., 394.

Z

- Zaffaroni, A. See Edwards, J. A., 87.
 Zilkha, A., Neta, P., and Frankel, M. Metal ketyls as initiators of polymerisation of vinyl monomers, 364.