

FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C₁ group, C₂ group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Salts are placed with the compounds from which they are derived. The chlorides, bromides, iodides, and cyanides of quaternary ammonium bases, however, are registered as group-substances.

C₁ Group.

CH₄ Methane, decomposition of (JONES), 419; thermal decomposition of (HOLLIDAY and EXELL), 1066.

CO Carbon monoxide, infra-red emission spectra of, in nitrous oxide (BAILEY and LIEB), 54; effect of addition of hydrogen and water to radiation emitted by (GARNER and ROFFEY), 1123; decomposition of, in the electric discharge (LUNT and MUMFORD), 1711; (OTT), 2422.

CBr₄ Carbon tetrabromide, interaction of, with selenium and sulphur (BRISCOE, PEEL, and ROWLANDS), 1766.

1 II

CHN Hydrocyanic acid, potassium salt, action of, on chloroaldehydes (CHATTAWAY and IRVING), 1038.

CH₄O Methyl alcohol, compounds of, with metallic salts (GIBSON, DRISCOLL, and JONES), 1443.

CSSe Carbon sulphidoselenide (BRISCOE, PEEL, and ROBINSON), 56; reactions of halogens with (BRISCOE, PEEL, and ROBINSON), 1048.

1 III

CHNS Thiocyanic acid, metallic salts, complex salts of, with triaminopropane (MANN), 656; sodium salt, solubility of (HUGHES and MEAD), 2282.

CH₃Br₃Te Methyltelluronium tribromide (DREW), 567.

CH₃I₃Te Methyltelluronium tri-iodide (DREW), 566.

CH₄ON₃ Carbamide, equilibrium of ammonium nitrate and (HOWELLS), 910.

1 IV

CH₄ON₂Cl Semicarbazine hydrochloride, action of, on aldoximes and their derivatives (BRADY and PEAKIN), 478.

C₂ Group.

C₂H₂ Acetylene, thermal decomposition and polymerisation of (HAGUE and WHEELER), 391.

C₂H₄ Ethylene, thermal decomposition and polymerisation of (HAGUE and WHEELER), 390.

2 II

- $C_2H_2O_4$ Oxalic acid, catalysis in dissociation of (DAWSON, HOSKINS, and SMITH), 1884; cobalt oxy-salts (PERCIVAL and WARDLAW), 2628; complex molybdenum salts (SPITTLE and WARDLAW), 792; complex sodium copper salt (RILEY), 1309.
- C_2H_4O Acetaldehyde, emission of light from phosphorescent flames of (EMELEUS), 1733.
- $C_2H_4O_2$ Acetic acid, and its lead salt, equilibrium of lead chloride, water, and (SANDVED), 337.
- C_2H_5O Ethyl alcohol, photochemical oxidation of, by potassium dichromate (BOWEN and YARNOLD), 1648.
- C_2H_7N Dimethylamine, action of nitrous acid on (TAYLOR and PRICE), 2052.
- $C_2H_3O_4$ *l*-Threose, formation of (DEULOFEU), 2458.

2 III

- $C_2H_5Cl_2S$ Trichloroethyl sulphur chloride (PHILLIPS, DAVIES, and MUMFORD), 548.
- C_2H_5OBr Acetyl bromide, reaction of ethyl ether, naphthol, and (BASSETT and TAYLOR), 1568.
- $C_2H_5O_2Cl$ Chloroacetic acid as catalyst in hydrolysis of ethyl acetate (DAWSON and LOWSON), 393.
- $C_2H_5O_2N$ Glycine, synthesis of (ANSLOW and KING), 2463.
- $C_2H_5O_2P$ Ethyl metaphosphate, action of, on alcohols, ammonia, and amino-compounds (PLIMMER and BURCH), 292.
- $C_2H_5TeI_3$ Ethyltellurium tri-iodide (LOWRY and GILBERT), 2089.
- $C_2H_5O_2Te$ Methyl hydroxytellurium oxide anhydride (DREW), 566.
- $C_2H_7O_2P$ β -Hydroxyethyl dihydrogen phosphate, enzymic synthesis of (KAY), 524.
- $C_2H_5O_2Te$ α -Dimethyltellurium hydroxide, salts of (LOWRY and GILBERT), 2082.

2 IV

- C_2H_5ONS Thiolacetamide as reagent for arsenic acids (BARBER), 1024.
- $C_2H_5O_4PBa$ Barium ethyl phosphate (PLIMMER and BURCH), 294.
- $C_2H_5O_4PNa_2$ Disodium β -hydroxyethyl phosphate (PLIMMER and BURCH), 286.
- $C_2H_{13}O_4N_2P$ Diammonium ethyl phosphate (PLIMMER and BURCH), 297.

2 V

- $C_2H_4O_4ClPBa$ Barium chloroethyl phosphate (PLIMMER and BURCH), 285.

C₃ Group.

- C_3O_2 Malonic anhydride, production of (LUNT and MUMFORD), 1720.

3 II

- $C_3H_4O_3$ Pyruvic acid, action of bromine on (HUGHES and WATSON), 1946.
- $C_3H_4O_4$ Malonic acid, metallic salts, electrolytic dissociation of (RILEY and FISHER), 2006; potassium cobalt oxy-salt (PERCIVAL and WARDLAW), 2631; complex sodium copper salt (RILEY), 1310.
- C_3H_6O Acetone, equilibrium of *n*-butyl alcohol, water, and (JONES), 799; condensation of fluorene with (MAITLAND and TUCKER), 2559.
- Propaldehyde, emission of light from phosphorescent flames of (EMELEUS), 1733.
- $C_3H_5O_3$ *dl*-Glyceraldehyde, methylation of (REEVES), 1327.
- C_3H_8O Methyl ethyl ether, decomposition of (GLASS and HINSHELWOOD), 1806.
- C_3H_7N *n*-Propylamine, action of nitrous acid on (TAYLOR and PRICE), 2052.
- $C_3H_{11}N_3$ $\alpha\beta\gamma$ -Triaminopropane, complex salts of, with metallic halides (MANN), 656.

3 III

- $C_2H_4ON_2$ Cyanoacetamide, condensation of β -diketones with (BARDHAN), 2226.
 $C_2H_4OS_3$ Trimethylene trisulphide oxide (BELL and BENNETT), 17.
 $C_2H_4O_2S_2$ Trimethylene trisulphide dioxides (BELL and BENNETT), 18.
 $C_2H_4O_3S_2$ Trimethylene trisulphoxides (BELL and BENNETT), 19.
 $C_2H_4O_2S$ Propanesulphinic acids, silver salts (FENTON and INGOLD), 2341.
 C_2H_3BrTe Trimethyltelluronium bromide (DREW), 567.

3 IV

- $C_3H_7O_4Pba$ Barium propyl phosphate (PLIMMER and BURCH), 295.

 C_4 Group.

- $C_4H_4O_4$ Fumaric acid, adsorption of, by charcoal (PHELPS), 1724.
 Maleic acid, adsorption of, by charcoal (PHELPS), 1724.
 $C_4H_6O_2$ Acetic anhydride, interaction of bromine with (WATSON and GREGORY), 1373.
 $C_4H_6O_5$ *l*-Malic acid, formation of, from fumaric acid (CHALLENGER and KLEIN), 1644.
 $C_4H_6O_6$ Tartaric acid, methylamine salts (READ, STEELE, and CARTER), 27; structure and rotation of compounds of boric acid with (BURGESS and HUNTER), 2838.
 $C_4H_6O_8$ Dihydroxytartaric acid, action of *o*-phenylenediamines on (CHATTAWAY and HUMPHREY), 645.
 $C_4H_8O_2$ Butyric acid, density of mixtures of water and (GRINDLEY and BURY), 679.
 Ethyl acetate, catalytic hydrolysis of (DAWSON and LOWSON), 393.
 $C_4H_8O_4$ Erythrose, oxidation of (DEULOFEU and SELVA), 227.
 $C_4H_8N_4$ 5-Amino-3-ethyl-1:2:4-triazole, and its nitrate (REILLY and MADDEN), 816.
 C_4H_8Se *cyclo*Selenobutane (MORGAN and BURSTALL), 1099.
 $C_4H_8Se_2$ *cyclo*Tetramethylene diselenide (MORGAN and BURSTALL), 1102.
 $C_4H_{10}O$ *n*-Butyl alcohol, equilibria of, with water and with acetone and water (JONES), 799.

Ethyl ether, emission of light from phosphorescent flames of (EMELEUS), 1733; viscosity of, at low temperatures (VAN AUBEL), 1111; effect of carbon dioxide on vapour pressure of (SAYCE and BRISCOE), 1303; effect of, on esterification by hydrochloric acid (MITCHELL and PARTINGTON), 1562; autoxidation of (KING), 738; reaction of acetyl bromide, naphthol, and (BASSETT and TAYLOR), 1568.

Methyl propyl ether, decomposition of (GLASS and HINSELWOOD), 1809.

4 III

- $C_4H_2I_2Se$ Di-iodoselenophen (BRISCOE, PEEL, and YOUNG), 2592.
 $C_4H_2Cl_2S$ $\alpha\beta$ -Dichloroethyl $\alpha\beta\beta$ -trichlorovinyl sulphide (PHILLIPS, DAVIES, and MUMFORD), 546.
 $\alpha\beta\beta$ -Trichloroethyl $\alpha\beta$ -dichlorovinyl sulphide (PHILLIPS, DAVIES, and MUMFORD), 546.
 $C_4H_2Cl_4S$ Heptachlorodiethyl sulphides (PHILLIPS, DAVIES, and MUMFORD), 546.
 $C_4H_2O_2Cl_2$ Acetic chloroacetic anhydride (WATSON and GREGORY), 1373.
 $C_4H_2Cl_4S$ $\alpha\beta$ -Dichloroethyl $\alpha\beta$ -dichlorovinyl sulphide (PHILLIPS, DAVIES, and MUMFORD), 545.
 $\alpha\alpha\beta$ -Trichloroethyl β -chlorovinyl sulphide (PHILLIPS, DAVIES, and MUMFORD), 544.
 $C_4H_2Cl_6S$ Hexachlorodiethyl sulphides (PHILLIPS, DAVIES, and MUMFORD), 545.
 $C_4H_2N_2Te$ α -Dimethyltelluronium dicyanide (LOWRY and GILBERT), 2082.

- $C_4H_7ON_3$ Creatinine, red picrate of (ANSLOW and KING), 1210.
 $C_4H_8OCl_2$ Dichloromethoxypropanes (FAIRBOURNE), 2234.
 $C_4H_8Cl_2S$ $\beta\beta'$ -Dichlorodiethyl sulphide, chlorination of (PHILLIPS, DAVIES, and MUMFORD), 535.
 $C_4H_8Cl_2Se$ *cyclo*Selenibutane 1:1-dichloride (MORGAN and BURSTALL), 1100.
 $C_4H_8Br_2Se$ *cyclo*Selenibutane 1:1-dibromide (MORGAN and BURSTALL), 1100.
 $C_4H_8Br_7Se$ *cyclo*Selenibutane perbromide (MORGAN and BURSTALL), 1100.
 $C_4H_8I_2Se$ *cyclo*Selenibutane 1:1-di-iodide (MORGAN and BURSTALL), 1100.
 $C_4H_8O_2N$ Ethyl glycine, action of nitrous acid on (TAYLOR and PRICE), 2052.
 $C_4H_{10}O_2N_2$ β -Aminoethylglycine, and its hydrochloride (MOORE, BOYLE, and THORN), 51.
 $C_4H_{12}OP$ Tetramethylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2349.

4 IV

- $C_4H_7Cl_2SeHg_2$ Dichloromercuriselenophen (BRISCOE, PEEL, and YOUNG), 2592.
 $C_4H_7O_2SeHg_2$ Dihydroxymercuriselenophen (BRISCOE, PEEL, and YOUNG), 2592.
 $C_4H_7O_2S_2Hg_2$ Dihydroxymercurithiophen mercurisulphate (BRISCOE, PEEL, and YOUNG), 2591.
 $C_4H_5N_3Cl_3Au$ 5-Diazo-3-ethyl-1:2:4-triazole chloroaurate (REILLY and MADDEN), 816.
 C_4H_8OBrSe *cyclo*Selenibutane 1-hydroxy-1-bromide (MORGAN and BURSTALL), 1100.
 $C_4H_{12}O_{10}N_4Se_2$ $\alpha\delta$ -Tetramethylenediseleninic acid dinitrate (MORGAN and BURSTALL), 1102.
 $C_4H_{11}O_4NP$ Diethyl ammonium phosphate (PLIMMER and BURCH), 297.

4 V

- $C_4H_7O_2S_2SeHg_2$ Dihydroxymercuriselenophen mercurisulphate (BRISCOE, PEEL, and YOUNG), 2592.

C₅ Group.

- C_5H_{10} Amylene, pressure-temperature curves of mixtures of oxygen with (LEWIS), 759.
 C_5H_{12} Pentane, effect of carbon dioxide on vapour pressure of (SAYCE and BRISCOE), 1303.

5 II

- $C_5H_8Br_2$ 1:2-Dibromo- Δ^3 -*cyclopentene* (FARMER and SCOTT), 177.
 $C_5H_8O_3$ Lævulic acid, action of bromine on (HUGHES and WATSON), 1950.
 $C_5H_8O_4$ Glutaric acid, catalytic and thermal decomposition of (VOGEL), 726.
 $C_5H_{10}O_5$ *l*-Arabinose, degradation of (DEULOFEU and SELVA), 225.
 $C_5H_{10}Se$ *cyclo*Selenopentane (MORGAN and BURSTALL), 2199.
 $C_5H_{10}Se_2$ *cyclo*Pentamethylene diselenide (MORGAN and BURSTALL), 2202.
 $C_5H_{11}N$ Piperidine, action of, on diaryl ethers (GROVES, TURNER, and SHARP), 512.

5 III

- $C_5H_8O_2Cl_2$ Allyl dichloroacetate (CHATTAWAY and IRVING), 1042.
 C_5H_8OS Penthian-4-one (BENNETT and WADDINGTON), 2829.
 $C_5H_8O_2Cl_2$ *n*-Propyl dichloroacetate (CHATTAWAY and IRVING), 1042.
 $C_5H_8O_3S$ Sulphone, from penthianone (BENNETT and WADDINGTON), 2830.
 $C_5H_{10}Cl_2Se$ *cyclo*Selenipentane 1:1-dichloride (MORGAN and BURSTALL), 2200.
 $C_5H_{10}Br_2Se$ *cyclo*Selenipentane 1:1-dibromide (MORGAN and BURSTALL), 2200.
 $C_5H_{10}Br_7Se$ *cyclo*Selenipentane perbromide (MORGAN and BURSTALL), 2200.
 $C_5H_{10}I_2Se$ *cyclo*Selenipentane 1:1-di-iodide (MORGAN and BURSTALL), 2200.

- $C_5H_{11}O_2N$ Trimethylhydroxyaldehydomethylamine, picrate of (INGOLD and ROTHSTEIN), 14.
 $C_5H_{11}ISe$ *cyclo*Selenibutane 1-methiodide (MORGAN and BURSTALL), 1101.
 $C_5H_{12}O_2N_3$ Carbethoxyethylenediamine (MOORE, BOYLE, and THORN), 50.
 $C_5H_{12}O_2S$ Ethyl-*n*-propylsulphone (FENTON and INGOLD), 2340.
*iso*Pentanesulphinic acid, silver salt (FENTON and INGOLD), 2341.
 $C_5H_{15}OP$ Trimethylethylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2350.

5 IV

- $C_4H_9ONCl_2$ Butyl chloral cyanohydrin (CHATTAWAY and IRVING), 1044.
 $C_5H_{10}O_3Cl_3P$ Hydroxytrimethylphosphonium trichloroacetate (FENTON and INGOLD), 2349.
 $C_5H_{10}Cl_2SeAg$ *cyclo*Selenopentane mercurichloride (MORGAN and BURSTALL), 2200.
 $C_5H_{10}Cl_2SePt$ *cyclo*Selenipentane chloroplatinate (MORGAN and BURSTALL), 2201.
 $C_5H_{11}OCISE$ *cyclo*Selenipentane hydroxychloride (MORGAN and BURSTALL), 2201.

5 V

- $C_5H_5ONBr_4Mo$ Pyridinium molybdenyl tetrabromide (ANGELL, JAMES, and WARDLAW), 2583.

 C_6 Group.

- C_6H_6 Benzene, effect of drying on physical properties of (BRISCOE, PEEL, and ROBINSON), 368; effect of an electric field on boiling point of (SMITH), 788.
 Hexane, emission of light from phosphorescent flames of (EMELÉUS), 1733; effect of drying on (SMITS, SWART, and BRUIN), 2712.

6 II

- C_6H_5F Fluorobenzene, fluorescence spectrum of (RUSSELL and STEWART), 2434; (MONYPENY and RUSSELL), 2436.
 $C_6H_5O_4$ Kojic acid, production of, from pentoses (CHALLENGER, KLEIN, and WALKER), 1498.
 $C_6Cl_2S_3$ 2:4:6-Trisdichloromethylene-1:3:5-trithian (CHATTAWAY and KELLETT), 2914.
 $C_6H_8Br_2$ 1:2-Dibromo- Δ^3 -*cyclohexene* (FARMER and SCOTT), 175.
 C_6H_7N β -Methyl- $\Delta\beta$ -pentenenitrile (KANDIAH and LINSTEAD), 2151.
 $C_6H_{10}O_2$ *n*-Hexenoic acids (ECCOTT and LINSTEAD), 2153.
 $C_6H_{10}O_4$ Adipic acid, catalytic and thermal decomposition of (VOGEL), 727.
 $C_6H_{10}O_5$ Glycogen, properties of (HAWORTH, HIRST, and WEBB), 2479.
 $C_6H_{11}N_5$ Penta-aminobenzene (FLÜRSCHHEIM and HOLMES), 336.
 $C_6H_{12}O_2$ Diacetone alcohol, action of magnesium 9-fluorenyl bromide on (MAITLAND and TUCKER), 2559.
 $C_6H_{12}O_6$ Fructose, compound of, with lime (MACKENZIE and QUIN), 961.
 Galactose, modifications of (RIIBER, MINSAAS, and LYCHE), 2173.
 Glucose, compound of, with lime (MACKENZIE and QUIN), 960.
 $C_6H_{12}N_4$ 5-Amino-3-*isobutyl*-1:2:4-triazole, and its nitrate (REILLY and MADDEN), 816.
 Hexamethylenetetramine, compounds of metallic chlorides with (DUFF and BILLS), 411.
 $C_6H_{12}N_6$ Hexa-aminobenzene, and its salts (FLÜRSCHHEIM and HOLMES), 330.
 $C_6H_{12}S_3$ Trithioacetaldehydes, isomeric (BELL, BENNETT, and MANN), 1462.
 $C_6Cl_2S_3$ 2:4:6-Trichloro-2:4:6-tristrichloromethyl-1:3:5-trithian (CHATTAWAY and KELLETT), 2915.

- $C_6H_{14}O$ Diisopropyl ether, decomposition of (GLASS and HINSHELWOOD), 1810, 1815.
 $C_6H_{14}O_6$ Mannitol, rotation dispersion of (PATTERSON and TODD), 2876.
 $C_6H_{14}N_2$ *N*-Ethylpiperazine, and its salts (MOORE, BOYLE, and THORN), 47.
 $C_6H_{18}N_4$ $\beta\beta'$ -Triaminotriethylamine, complex cobalt salts (MANN), 409.

6 III

- $C_6H_2OCl_3$ 2:3:4-Trichlorophenol (GROVES, TURNER, and SHARP), 522.
 $C_6H_2O_7N_2$ Picric acid, pyridinocupric salts (KING), 2596.
 $C_6H_2O_{12}Fe$ Ferrioxalic acid, potassium salt, photolysis of solutions of (ALLMAND and WEBB), 1518.
 $C_6H_2Cl_2S_3$ Trithioparachloral (CHATTAWAY and KELLETT), 2914.
 $C_6H_2NCl_3$ 2:3:5-Trichloroaniline (HODGSON and KERSHAW), 2921.
 $C_6H_2N_6Fe$ Hydroferrocyanic acid, sodium salt, solubility of, in water (FRIEND, TOWNLEY, and VALLANCE), 2326.
 C_6H_2OF *m*-Fluorophenol, Reimer-Tiemann reaction with (HODGSON and NIXON), 1632.
 $C_6H_2O_3N$ Nitrophenols, solubilities of, in methyl alcohol solutions (DUFF), 2789.
 $C_6H_2Cl_2As$ Phenylchloroarsine, parachor of (HENLEY and SUGDEN), 1062.
 $C_6H_2Cl_3Si$ Phenylsilicon trichloride (KIPPING, MURRAY, and MALTBY), 1184.
 C_6H_2BrMg Magnesium phenyl bromide, reaction between phenyl glycide and (BOYD and VINEBALL), 1622.
 C_6H_2BrSe Phenyl selenium bromide, parachor of (HENLEY and SUGDEN), 1063.
 $C_6H_2O_2Se$ Phenylseleninic acid, parachor of (HENLEY and SUGDEN), 1064.
 $C_6H_2O_2N$ *cyclo*Butane-1:2-dicarboxylimide (MENON and SIMONSEN), 304.
 $C_6H_2N_2Se_2$ Tetramethylene selenocyanate (MORGAN and BURSTALL), 1101.
 $C_6H_2Cl_2S_2$ β -(β -Chloroethyl-thiol)ethyl trichlorovinyl sulphide (PHILLIPS, DAVIES, and MUMFORD), 544.
 C_6H_2ON 2-Aminomethyl*cyclo*butane-1-carboxyl-lactam (MENON and SIMONSEN), 305.
 $C_6H_{10}O_2Br_2$ 1:2-Dibromo-3:4-dihydroxycyclohexane (FARMER and SCOTT), 176.
 $C_6H_{10}O_3S$ Penthianolcarboxylic acid (BENNETT and WADDINGTON), 2831.
 $C_6H_{10}O_4S$ Penthian-4-ol-4-carboxylic acid oxides (BENNETT and WADDINGTON), 2836.
 $C_6H_{10}O_5S$ Sulphone, from penthianolcarboxylic acid (BENNETT and WADDINGTON), 2831.
 $C_6H_{11}O_2Cl$ δ -Chlorobutyl acetate (BENNETT and HEATHCOAT), 272.
 $C_6H_{12}O_4N_2$ Piperazinoacetic acid, and its hydrochloride (MOORE, BOYLE, and THORN), 48.
 $C_6H_{12}NCl$ Trimethyl- γ -chloroallylamine, picrate of (INGOLD and ROTHSTEIN), 12.
 $C_6H_{12}ClS$ ϵ -Chloroamyl methyl sulphide (BENNETT, HEATHCOAT, and MOSSES), 2571.
 δ -Chlorobutyl ethyl sulphide (BENNETT, HEATHCOAT, and MOSSES), 2570.
 γ -Chlorodipropyl sulphide (BENNETT, HEATHCOAT, and MOSSES), 2571.
 $C_6H_{12}NCl_2$ Trimethyl- γ -chloroallylammonium chloride (INGOLD and ROTHSTEIN), 12.
 $C_6H_{12}ISe$ *cyclo*Selenipentane 1-methiodide (MORGAN and BURSTALL), 2201.
 $C_6H_{14}ON_2$ *N*- β -Hydroxyethylpiperazine, and its salts (MOORE, BOYLE, and THORN), 47.
 $C_6H_{14}OS$ Ethyl δ -hydroxybutyl sulphide (BENNETT and HEATHCOAT), 272.
 γ -Hydroxydipropyl sulphide (BENNETT and HEATHCOAT), 271.
 Methyl ϵ -hydroxyamyl sulphide (BENNETT and HEATHCOAT), 274.

- $C_6H_{14}OS$ Pentamethylenemethylsulphonium hydroxide, salts of (BENNETT, HEATHCOAT, and MOSSES), 2571.
 Tetramethylene-ethylsulphonium hydroxide, salts of (BENNETT, HEATHCOAT, and MOSSES), 2571.
- $C_6OCl_4S_2$ 2:4:6-Trisdichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylene (CHATTAWAY and KELLETT), 2914.
- $C_6OCl_3S_2$ 4-Chloro-4-trichloromethyl-2:6-bisdichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylene (CHATTAWAY and KELLETT), 2916.
- $C_6OCl_{12}S_2$ 2:4:6-Trichloro-2:4:6-tristrichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylenes (CHATTAWAY and KELLETT), 2915.

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- $C_6H_2OCl_3S_2$ 2:6-Bistrichloromethyl-4-dichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylenes (CHATTAWAY and KELLETT), 2914.
- $C_6H_2OCl_{10}S_2$ 4-Chloro-2:4:6-tristrichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylenes (CHATTAWAY and KELLETT), 2915.
- $C_6H_2O_2NCl_3$ 2:3:5-Trichloronitrobenzene (HODGSON and KERSHAW), 2920.
- $C_6H_2O_3NBr_3$ 3:4:6-Tribromo-2-nitrophenol (HODGSON and NIXON), 2424.
- $C_6H_2O_4N_2Cl$ *m*-Dichlorodinitrobenzenes (DANN), 2460.
- $C_6H_3OCl_3S_2$ Dithioparachlorals (CHATTAWAY and KELLETT), 2914.
- $C_6H_3O_2N_2Cl_3$ 2:3:6-Trichloro-4-nitroaniline (HODGSON and KERSHAW), 2920.
- $C_6H_3O_3NCl_2$ Dichloronitrophenols (GROVES, TURNER, and SHARP), 517; (HODGSON and KERSHAW), 2922.
- $C_6H_3O_4I_2S$ 3:5-Di-iodo-4-hydroxybenzenesulphonic acid, lead salt (DICKINSON), 358.
- C_6H_4OBrF 3-Fluoro-2-bromophenol (HODGSON and NIXON), 1637.
- $C_6H_4O_2N_2Br_2$ 2:4-Dibromophenylnitroamine (BRADFIELD and ORTON), 918.
- $C_6H_5OCl_3Si$ Phenoxytrichlorosilicane (THOMPSON and KIPPING), 1177.
- $C_6H_5O_2N_2Br$ *p*-Nitrophenylbromoacetonitrile (BAKER and INGOLD), 446.
- $C_6H_5O_4PBA$ Barium phenyl phosphate (PLIMMER and BURCH), 296.
- $C_6H_5O_3BrAs$ 3-Bromophenylarsinic acid (BARBER), 2337.
- $C_6H_5O_3IAS$ Iodophenylarsinic acids (BARBER), 2336.
- $C_6H_5O_4BrAs$ 3-Bromo-4-hydroxyphenylarsinic acid (HAYTHORNTHWAITTE), 1013.
- $C_6H_5O_4NS$ Hydrogen *p*-aminophenyl sulphate (BURKHARDT and WOOD), 146.
- $C_6H_5O_4N_3S$ *o*-Nitrobenzenesulphonhydrazide (DANN and DAVIES), 1054.
- $C_6H_7O_4N_4Cl$ 2:4-Dinitrophenylhydrazine hydrochloride, action of, on aldoximes and their derivatives (BRADY and PEAKIN), 478.
- $C_6H_7O_5N_4As$ 4-Nitro-3-aminophenylarsinic acid (PHILLIPS), 2827.
- C_6H_8ONS Penthianone cyanohydrin (BENNETT and WADDINGTON), 2831.
- $C_6H_{12}O_4Cl_3P$ Tri-*β*-chloroethyl phosphate (PLIMMER and BURCH), 284.
- $C_6H_{14}O_7P_2Ba$ Barium dipropyl pyrophosphate (PLIMMER and BURCH), 295.

6 V

- $C_6H_4O_6NSK$ Potassium nitrophenyl sulphates (BURKHARDT and WOOD), 144.
- $C_6H_5O_5NBrAs$ Bromonitrophenylarsinic acids (BARBER), 2335.
- $C_6H_5O_5NIAS$ Iodonitrophenylarsinic acids (BARBER), 2336.
- $C_6H_5O_2NCl_4I$ Nicotinic acid tetrachloroiodide (CHATTAWAY and PARKES), 1315.
- $C_6H_5O_4NSK$ Potassium aminophenyl sulphates (BURKHARDT and WOOD), 146.
- $C_6H_7O_3NBrAs$ 2-Bromo-4-aminophenylarsinic acid (HAYTHORNTHWAITTE), 1013.

C₇ Group.

- $C_7H_4S_3$ 2:3-Dithiosulphindene (McCLELLAND, WARREN, and JACKSON), 1585.
- $C_7H_5O_2$ *o*-Bromobenzoic acid, replacement of halogen in (HURTLEY), 1870.

- C₇H₆O₂** Salicylaldehyde, preparation of (COPISAROW), 588.
C₇H₇O₂ Benzoic acid, dipyridinocupric salt (KING), 2596.
C₇H₇F *p*-Fluorotoluene, fluorescence spectrum of (RUSSELL and STEWART), 2435 ; (MONYPENY and RUSSELL), 2436.
C₇H₈O₂ *o*-Anisaldehyde, preparation of (COPISAROW), 589.
 Dimethylpyrone, effect of, on esterification by hydrochloric acid (MITCHELL and PARTINGTON), 1562.
 Resorcinol methyl ether, nitrosation and nitration of (HODGSON and CLAY), 2777.
C₇H₉N Benzylamine, picrate of (INGOLD and SHOPPEE), 1203.
*cyclo*Pentyliseneacetonitrile (KANDIAH and LINSTEAD), 2151.
C₇H₁₀O₄ $\Delta\beta$ -Butenylmalonic acid (ECCOTT and LINSTEAD), 2163.
C₇H₁₀O₇ Glucofuranose 5:6-carbonate (HAWORTH and PORTER), 2805.
C₇H₁₂O Methyl β -methylbutenyl ketones (QUDRAT-I-KHUDA), 1915.
C₇H₁₂O₂ β -Methyl- $\Delta\gamma$ -hexenoic acid (BURTON and INGOLD), 2031.
C₇H₁₂O₄ Dimethyl xylan (HAMPTON, HAWORTH, and HIRST), 1746.
 Pimelic acid, catalytic and thermal decomposition of (VOGEL), 728.
C₇H₁₂O₅ 2:3-Dimethyl γ -xylonolactone (HAMPTON, HAWORTH, and HIRST), 1748.
C₇H₁₄O₆ Methylglucosides, preparation of (PATTERSON and ROBERTSON), 300.

7 III

- C₇H₇OCl₃** Trichloroanisoles (HODGSON and KERSHAW), 2919.
C₇H₇O₂F Fluorohydroxybenzaldehydes (HODGSON and NIXON), 1635.
C₇H₇O₃F 4-Fluoro-2-hydroxybenzoic acid (HODGSON and NIXON), 1639.
C₇H₇O₅N₂ 2:4-Dinitrobenzaldehyde, use of, as a reagent (BENNETT and PRATT), 1465.
C₇H₇O₅N₄ 3:6-Dinitrophenylmethylnitrosoamine (MACMILLAN and READE), 2866.
C₇H₇Cl₃As 3-Chlorotolyldichloroarsines (GIBSON and JOHNSON), 776.
C₇H₇O₃N 6-Methyl-2-pyridone-4-carboxylic acid (BARDHAN), 2227.
C₇H₇O₄N₃ 3:6-Dinitromonomethylamine (MACMILLAN and READE), 2867.
C₇H₇O₅As 3:4-Methylenedioxyphenylarsinic acid (BALABAN), 1088.
C₇H₈O₂N₂ *p*-Benzoquinonedioxime 4-methyl ether (HODGSON and KERSHAW), 1557.
C₇H₇O₂N Caronimide (MENON and SIMONSEN), 304.
*cyclo*Pentane-1:2-dicarboxylimide (MENON and SIMONSEN), 304.
C₇H₁₀N₂Se₂ $\alpha\epsilon$ -Pentamethylene diselenocyanate (MORGAN and BURSTALL), 2202.
C₇H₁₁ON 2-Aminomethylcyclopentane-1-carboxyl-lactam (MENON and SIMONSEN), 305.
 β -Methylsorbamide (BURTON and INGOLD), 2029.
C₇H₁₃ON 4:4-Dimethyl-2-piperidone (MENON and SIMONSEN), 304.
C₇H₁₃O₂Cl ϵ -Chloroamyl acetate (BENNETT and HEATHCOAT), 274.
C₇H₁₄O₂N₂ Ethyl piperazine-1-carboxylate (MOORE, BOYLE, and THORN), 45.
C₇H₁₄O₂N₂ Piperazino- β -propionic acid, and its dihydrochloride (MOORE, BOYLE, and THORN), 49.
C₇H₁₄NCl Diethyl- γ -chloroallylamine, and its picrate (INGOLD and ROTHSTEIN), 11.
C₇H₁₄Br₂Se 1- β -Bromoethylcycloselenipentane 1-bromide (MORGAN and BURSTALL), 222.
C₇H₁₆O₂N Trimethylethoxyaldehydomethylamine, picrate of (INGOLD and ROTHSTEIN), 14.
C₇H₁₇O₃P ω -Carbethoxytetramethylphosphonium hydroxide, and its picrate (FENTON and INGOLD), 2356.
C₇H₁₉OP Methyltriethylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2350.

7 IV

- $C_7H_5O_6N_2F$ Fluorodinitrohydroxybenzaldehydes (HODGSON and NIXON), 1636.
 $C_7H_4O_5BrF$ Fluorobromohydroxybenzaldehydes (HODGSON and NIXON), 1637.
 $C_7H_5O_4NF$ Fluoronitrohydroxybenzaldehydes (HODGSON and NIXON), 1635.
 C_7H_4NClSe *p*-Chlorophenyl selenocyanate, parachor of (HENLEY and SUGDEN), 1063.
 C_7H_4NBrSe *p*-Bromophenyl selenocyanate, parachor of (HENLEY and SUGDEN), 1064.
 $C_7H_5O_3NCl_2$ 3:6-Dichloro-2-nitroanisole, and its hydrochloride (HODGSON and KERSHAW), 2923.
 $C_7H_5O_4N_2Br$ 4-Bromo-2:6-dinitrotoluene (ELSON, GIBSON, and JOHNSON), 2741.
 $C_7H_5O_4N_2F$ 2-Fluoro-5-nitro-4-hydroxybenzaloxime (HODGSON and NIXON), 1636.
 $C_7H_5N_2S_2As$ 2-Thiolbenzimidazole-5-arsenic disulphide (EVERETT), 675.
 C_7H_5OClAs 3-Chlorotolylarsenious oxides (GIBSON and JOHNSON), 777.
 C_7H_5OBrAs 3-Bromotolylarsenious oxides (GIBSON and JOHNSON), 778.
 $C_7H_5O_2NCl$ 3-Chlorobenzoquinone-4-oxime methyl ether (HODGSON and KERSHAW), 1557.
 3-Chloro-4-nitrosoanisole (HODGSON and KERSHAW), 1556.
 $C_7H_5O_2NBr$ 2-Bromo-3-nitrotoluene (GIBSON and JOHNSON), 1243.
 Bromonitrotoluenes (ELSON, GIBSON, and JOHNSON), 2739.
 $C_7H_5O_2NI$ 3-Iodo-4-nitrotoluene (ELSON, GIBSON, and JOHNSON), 2740.
 $C_7H_5O_2NF$ Fluorohydroxybenzaloximes (HODGSON and NIXON), 1635.
 $C_7H_5O_3N_2Br$ 4-Bromonitrophenylmethylnitrosoamines (MACMILLAN and READE), 2866.
 $C_7H_5O_5ClAs$ 2-Chloro-4-carboxyphenylarsinic acid (GIBSON and JOHNSON), 778.
 $C_7H_5O_5BrAs$ 2-Bromo-4-carboxyphenylarsinic acid (GIBSON and JOHNSON), 778.
 $C_7H_5O_7NAs$ 6-Nitro-3:4-methylenedioxyphenylarsinic acid (BALABAN), 1091.
 $C_7H_4Cl_2BrAs$ 3-Bromotolyldichloroarsines (GIBSON and JOHNSON), 778.
 $C_7H_7OCl_2Te$ 4-Hydroxy-3-methylphenyltellurium trichloride (MORGAN and BURGESS), 2217.
 $C_7H_7O_2N_2Br$ 4-Bromonitromonomethylanilines (MACMILLAN and READE), 2867.
 3-Bromo-*p*-tolylnitroamine (BRADFIELD and ORTON), 918.
 $C_7H_5O_5ClAs$ 3-Chlorotolylarsinic acids (GIBSON and JOHNSON), 776.
 $C_7H_5O_5BrAs$ 3-Bromotolylarsinic acids (GIBSON and JOHNSON), 777.
 $C_7H_5O_5NAs$ 6-Amino-3:4-methylenedioxyphenylarsinic acid (BALABAN), 1091.

7 V

- $C_7H_5O_4NBrF$ Fluorobromonitrohydroxybenzaldehydes (HODGSON and NIXON), 1637.
 $C_7H_3NClBrS$ 1-Chloro-5-bromobenzthiazole (DYSON, HUNTER, and SOYKA), 461.
 $C_7H_4ONS_2As$ 1-Thiobenzoxazolone-4-arsenic disulphide (EVERETT), 674.
 $C_7H_5O_3NBrF$ 2-Fluoro-3-bromo-4-hydroxybenzaloxime (HODGSON and NIXON), 1637.
 $C_7H_5O_2NCl_2As$ 3-Nitrotolyldichloroarsines (GIBSON and JOHNSON), 781.
 $C_7H_5O_2NBr_2S$ 3-Nitro-*o*-tolyldibromoarsine (GIBSON and JOHNSON), 782.
 $C_7H_5O_4NClS$ 2-Chloro-5-nitro-*p*-toluenesulphinic acid (DANN and DAVIES), 1052.
 $C_7H_5O_4NSAs$ 1-Thiobenzoxazolone-4-arsinic acid (EVERETT), 677.
 $C_7H_7O_3N_2SAs$ 2-Thiolbenzimidazole-5-arsinic acid (EVERETT), 677.
 $C_7H_5O_2NCl_4I$ Trigonelline tetrachloroiodide (CHATTAWAY and PARKES), 1316.
 $C_7H_5O_4N_3ClS$ Chloronitrotoluenesulphonhydrazides (DANN and DAVIES), 1053.

C₈ Group.

- C₈H₆O₄ Phthalic acid, chlorination of (AYLING), 253; complex sodium copper salt (RILEY), 1310.
- C₈H₇O₃ *o*-Nitroacetophenone, preparation of (KERMACK and SMITH), 814.
- C₈H₁₀O₄ 2:5-Dimethoxyresorcinol (BAKER, NODZU, and ROBINSON), 78.
- C₈H₁₁N Dimethylaniline, interaction of tellurium tetrachloride with (MORGAN and BURGESS), 1103.
- cyclo*Hexylideneacetonitrile (KANDIAH and LINSTRAD), 2146.
- C₈H₁₂O₄ *dl*- α -Hydroxy- β -isopropylglutarolactone (GIBSON and SIMONSEN), 1079.
- C₈H₁₂O₇ β -Methylglucofuranoside 5:6-carbonate (HAWORTH and PORTER), 2804.
- C₈H₁₃N₂ 8-3-Aminophenylethylamine, and its dihydrochloride (GULLAND, HAWORTH, and VIRDEN), 1672.
- Tetramethylpyrazine, preparation and reduction of (KIPPING), 2891.
- C₈H₁₄O₂ Ethyl pyroterebate (LINSTAD), 2506.
- $\beta\beta\delta$ -Trimethylvalerolactone (QUDRAT-I-KHUDA), 208.
- C₈H₁₄O₃ γ -Acetyl- $\beta\delta$ -dimethylbutyric acid, synthesis of, and its silver salt (QUDRAT-I-KHUDA), 201.
- C₈H₁₄O₄ Suberic acid, catalytic and thermal decomposition of (VOGEL), 729.
- C₈H₁₄O₅ 3:4-Dimethyl δ -rhamnonolactone (HAWORTH, HIRST, and MILLER), 2477.
- d*-2:3:4-Trimethyl δ -arabonolactone (ANDERSON, CHARLTON, HAWORTH, and NICHOLSON), 1345.
- Trimethylxylonolactones, conversion of, into the corresponding lyxonolactones (HAWORTH and LONG), 345.
- C₈H₁₄O₆ Diethyl tartrate, action of phosphorus pentachloride on (PATTERSON and TODD), 1768.
- Methylheptenone peroxide (HEILBRON, OWENS, and SIMPSON), 880.
- C₈H₁₄O₅ 2:3-Dimethyl methylxyloside (HAMPTON, HAWORTH, and HIRST), 1747.
- Dimethyl rhamnose (HAWORTH, HIRST, and MILLER), 2475.
- C₈H₁₄O₆ α - and β -Ethylglucofuranosides (HAWORTH and PORTER), 2796.
- C₈H₁₃N₂ Tetramethylpiperazines, and their salts (KIPPING), 2894.

8 III

- C₈H₄O₈N₂ Pyrazinetetracarboxylic acid, and its potassium salt (CHATTAWAY and HUMPHREY), 651.
- C₈H₅N₂Cl 6-Chloroquinoxaline (CHATTAWAY and HUMPHREY), 650.
- C₈H₅N₂Br 6-Bromoquinoxaline (CHATTAWAY and HUMPHREY), 650.
- C₈H₅O₂Br₂ 3:5-Dibromo-2-hydroxy-4-methoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 1579.
- C₈H₆O₄N₂ 2-Nitro-3-hydroxy-1:4-benzisoxazine (BALABAN), 2609.
- C₈H₇O₂F Fluoromethoxybenzaldehydes (HODGSON and NIXON), 1638.
- C₈H₇O₂Br 5-Bromo-2-hydroxy-4-methoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 1579.
- C₈H₇O₃F Fluoromethoxybenzoic acids (HODGSON and NIXON), 1639.
- C₈H₇O₄N₂ Nitroamino-3-hydroxy-1:4-benzisoxazines (BALABAN), 2609.
- C₈H₇NS₂ 2-Thio-1-methyl-1:2-dihydrobenzisothiazole (McCLELLAND, WARREN, and JACKSON), 1585.
- C₈H₅OCl *N*-Chloroacetanilide, velocity of reaction of hydrobromic acid with (RICHARDSON and SOPER), 1873.
- C₈H₅O₂N₂ 5-Nitro-1:6-dimethyl-1:2:3-benzthiazole (BRADY, DAY, and REYNOLDS), 2265.
- C₈H₅OI 2-Iodo-4-methoxytoluene (ROBERTS and SMILES), 868.
- C₈H₅O₂N Methyl 6-methyl-2-pyridone-4-carboxylate (BARDHAN), 2228.

- $C_8H_9O_2N_3$ *O*-Methyl-*m*-nitrobenzamidoxime (BRADY and PEAKIN), 2270.
 $C_8H_9O_{12}B$ Borotartaric acid (BURGESS and HUNTER), 2856; potassium salt (LOWRY), 2853.
 $C_8H_9NS_2$ 2-Methylthiolbenzothioamide (McCLELLAND and WARREN), 2625.
 $C_8H_{19}O_2N_2$ β -3-Nitrophenylethylamine, and its hydrochloride (GULLAND, HAWORTH, and VIRDEN), 1671.
 $C_8H_{10}O_3N_2$ 2:6-Dihydroxy-3-*isopropyl*pyridine oxime (GIBSON and SIMONSEN), 1078.
 $C_8H_{10}NCl$ 2-Chloro-4-methyl-6-ethylpyridine (BARDHAN), 2230.
 $C_8H_{11}ON$ *p*-Methoxybenzylamine, salts of (INGOLD and SHOPPEE), 1203.
 $C_8H_{11}ON$ 4-Methyl-6-ethyl-2-pyridone (BARDHAN), 2230.
 $C_8H_{11}O_2N$ 2:6-Dihydroxy-3-*isopropyl*pyridine, and its hydrochloride (GIBSON and SIMONSEN), 1078.
 $C_8H_{11}O_2N_3$ 6-Nitro-4-aminomethyl-*m*-toluidine (BRADY, DAY, and REYNOLDS), 2265.
 $C_8H_{12}O_2N_2$ 3:5-Diaminoveratrole (BAKER and ROBINSON), 156.
 $C_8H_{15}ON_3$ Methyl β -methylbutenyl ketone semicarbazones (QUDRAT-I-KHUDA), 1915.
 $C_8H_{15}O_2Cl$ Ethyl γ -chloro*isohexoate* (LINSTAD), 2510.
 $C_8H_{16}O_2N_2$ Piperazino- γ -butyric acid, and its chloroplatinate (MOORE, BOYLE, and THORN), 49.
 $C_8H_{16}O_2N_4$ Dinitrosotetramethylpiperazines (KIPPING), 2896.
 $C_8H_{16}O_2N_2$ *l*-Threose diacetamide (DEULOFEU), 2459.
 $C_8H_{16}Br_2Se$ 1- δ -Bromobutyl*cycloselenibutane* 1-bromide (MORGAN and BURSTALL), 1101.
 $C_8H_{17}ON$ Trimethyl- α -ethoxyallylamine, picrate of (INGOLD and ROTHSTEIN), 13.
 $C_8H_{17}ON$ Vinyldiacetoneamine, action of aromatic acid chlorides on (GRAYMORE), 587.
 $C_8H_{17}O_2N$ Triethylhydroxyaldehydomethylamine, picrate of (INGOLD and ROTHSTEIN), 14.
 $C_8H_{17}O_2N$ Dimethyl rhamnonamide (HAWORTH, HIRST, and MILLER), 2477.

8 IV

- $C_8H_9O_2N_2Br$ Phenylbromocyanonitromethane, nitration of (BAKER and INGOLD), 423.
 $C_8H_9O_2Cl_7S_2$ 4-Ethoxy-4-trichloromethyl-2:6-bis(dichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylene (CHATTAWAY and KELLETT), 2916.
 $C_8H_9O_2Cl_3S_2$ 4-Ethoxy-2:4:6-tris(trichloromethylenecyclo-1:3:5-oxadithia-2:4:6-trimethylene (CHATTAWAY and KELLETT), 2916.
 $C_8H_9O_3NS$ *N*-Methyl-*o*-benzoic sulphinide (McCLELLAND, WARREN, and JACKSON), 1587.
 $C_8H_7O_3N_2Cl$ *m*-Nitrobenzomethoxamyl chloride (BRADY and PEAKIN), 2270.
 $C_8H_7O_4N_4F$ 2-Fluoro-5-nitro-4-hydroxybenzaldehyde semicarbazone (HODGSON and NIXON), 1636.
 $C_8H_7N_2Cl_4I$ Quinoxaline tetrachloroiodide (CHATTAWAY and HUMPHREY), 649.
 $C_8H_9O_2NF$ Fluoromethoxybenzaloximes (HODGSON and NIXON), 1638.
 $C_8H_9O_2N_2F$ Fluorohydroxybenzaldehyde semicarbazones (HODGSON and NIXON), 1635.
 $C_8H_9O_4N_2As$ 1-Acetyl-1:2:3-benzotriazolearsinic acids (PHILLIPS), 2827.
 $C_8H_9O_4SHg_2$ Diacetoxymercurithiophen (BRISCOE, PEEL, and YOUNG), 2591.
 $C_8H_9O_4SeHg_2$ Diacetoxymercuriselenophen (BRISCOE, PEEL, and YOUNG), 2592.
 $C_8H_9O_3N_2As$ 3:5-Dinitro-4-acetamidophenylarsinic acid (PHILLIPS), 2828.
 C_8H_9ONS 2-Methylthiolbenzamide (McCLELLAND and WARREN), 2625.
 $C_8H_9O_2N_2As$ Nitroacetamidophenylarsinic acids (PHILLIPS), 2826.

- $C_8H_9N_2BrS$ 2-Thiolphenyl-4:5-dihydroglyoxaline hydrobromide (McCLELLAND and WARREN), 2627.
 $C_8H_{10}ONCl$ Chloro-4-methoxy-*o*-toluidine (ROBERTS and SMILES), 868.
 $C_8H_{10}O_2NBr$ 4-Bromo-2:5-dimethoxyaniline (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2930.
 $C_8H_{11}O_4N_2AS$ Aminoacetamidophenylarsinic acids (PHILLIPS), 2826.
 $C_8H_{11}NCIBr$ *p*-Chlorobenzylmethylamine hydrobromide (BAKER), 1206.
 $C_8H_{20}O_8P_2Ba$ Barium diethyl phosphate (PLIMMER and BURCH), 294.
 $C_8H_{20}O_{12}P_2Ba$ Barium di- β -hydroxyethyl phosphate (PLIMMER and BURCH), 284.

8 V

- $C_8H_7O_2N_3BrF$ 2-Fluoro-3-bromo-4-hydroxybenzaldehyde semicarbazone (HODGSON and NIXON), 1637.
 $C_8H_9O_4NCIS$ 2-Chloro-5-nitro-*p*-tolylmethylsulphone (DANN and DAVIES), 1053.
 $C_8H_9O_4NBrAS$ 2-Bromo-4-acetamidophenylarsinic acid (HAYTHORNTHWAITTE), 1013.
 $C_8H_{10}O_2NCl_4I$ Methyl *N*-methylnicotinate tetrachloroiodide (CHATTAWAY and PARKES), 1315.

C₉ Group.

- $C_9H_6O_2$ Coumarin, photobromination of (WILLIAMS), 1383.
 $C_9H_6O_3$ 4-Methoxyphthalide (CHAKRAVARTI and PERKIN), 199.
 $C_9H_6O_5$ 4-Methoxyphthalic acid (CHAKRAVARTI and PERKIN), 199.
 $C_9H_{10}O_2$ β -Methylsorbic acid (BURTON and INGOLD), 2029.
 $C_9H_{12}N_2$ 1:2-Dimethylbenzimidazole (PHILLIPS), 2825.
 $C_9H_{13}N$ 2-Methyl- Δ^1 (or δ^1)-cyclohexenyl-1-acetonitrile (KANDIAH and LINSTED), 2152.
 $C_9H_{14}O_2$ Δ^1 -cycloHeptenylacetic acid (HUGH, KON, and MITCHELL), 1438.
 δ -Hydroxy- β -methyl- β -ethyl- $\Delta\gamma$ -hexenoic lactone (QUDRAT-I-KHUDA), 1918.
 5-Methyl-5-ethyl-dihydroresorcinol (QUDRAT-I-KHUDA), 1917.
 $C_9H_{14}O_5$ α -Carboxy- γ -acetyl- $\beta\beta$ -dimethylbutyric acid, ring-chain tautomerism of (QUDRAT-I-KHUDA), 201.
 $C_9H_{14}O_7$ β -Ethylglucofuranoside 5:6-carbonate (HAWORTH and PORTER), 2802.
 $C_9H_{16}O_3$ γ -Acetyl- β -methyl- β -ethylbutyric acid, and its silver salt (QUDRAT-I-KHUDA), 1917.
 Ethyl β -hydroxy- β -methyl- $\Delta\gamma$ -hexenoate (BURTON and INGOLD), 2029.
 $C_9H_{16}O_4$ Azelaic acid, dimorphism of (CASPARI), 2709; catalytic and thermal decomposition of (VOGEL), 730.
 Ethyl hydrogen $\beta\beta$ -dimethylglutarate, and its silver salt (QUDRAT-I-KHUDA), 208.
 $C_9H_{16}O_5$ Trimethyl glycogen (HAWORTH, HIRST, and WEBB), 2484.
 2:3:4-Trimethyl rhamnolactone (AVERY and HIRST), 2467.
 $C_9H_{16}O_8$ Glucose-acetone, constitution of (ANDERSON, CHARLTON, and HAWORTH), 1329.
 1:3:4:6-Trimethyl δ -mannolactone (HAWORTH and PEAT), 356.
 $C_9H_{21}P$ Tri-*n*-propylphosphine (DAVIES, PEARSE, and JONES), 1264.

9 III

- $C_9H_6O_4N$ 5:6-Methylenedioxyisatin (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2931.
 $C_9H_6O_7N_2$ Ox-6-nitro-3:4-methylenedioxyanilic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2931.
 $C_9H_6O_7N_2$ β -3:5-Dinitro-4-hydroxyphenylpropionic acid (CALLOW, GULLAND, and HAWORTH), 1452.

- C₉H₉NCl** Triethyl- γ -chloroallylamine, picrate of (INGOLD and ROTHSTEIN), 12.
C₉H₉O₂N 2:3-Dimethoxybenzotrile (BAKER and EASTWOOD), 2907.
C₉H₉O₂N₂ ω -Nitro-3-methoxystyrene (GULLAND and VIRDEN), 1795.
C₉H₉NS₂ 2-Thio-1-ethyl-1:2-dihydrobenziso θ thiazole (McCLELLAND, WARREN, and JACKSON), 1585.
C₉H₁₀ON₂ 3-Cyano-4-methyl-6-ethyl-2-pyridone (BARDHAN), 2230.
C₉H₁₀O₂N₂ 2:6-Dihydroxy-3-cyano-4-isopropylpyridine (GIBSON and SIMONSEN), 1077.
C₉H₁₀O₃N₂ *o*-Nitroacetomethylanilide (PHILLIPS), 2824.
 β -3-Nitrophenylpropionamide (GULLAND, HAWORTH, and VIRDEN), 1671.
C₉H₁₀N₂S 2-*o*-Thiolphenyl-4:5-dihydroglyoxaline (McCLELLAND and WARREN), 2624.
C₉H₁₁OCl *p*-Chlorophenylisopropyl ether (BRADFIELD, JONES, and ORTON), 2815.
C₉H₁₁O₂N 3-Methoxyphenylacetaldoxime (GULLAND and VIRDEN), 1796.
C₉H₁₁O₂N Hydroxyphenylalanines, isomeric (DICKINSON and MARSHALL), 1495.
C₉H₁₁O₃N₂ *m*-Nitrobenzodimethylamidoxime (BRADY and PEAKIN), 2269.
C₉H₁₁O₄N 2-Aminoveratric acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2933.
C₉H₁₁O₅N₂ β -3:5-Dinitro-4-methoxyphenylethylamine, nitrate of (CALLOW, GULLAND, and HAWORTH), 1451.
C₉H₁₁N₂Br *p*-Cyanobenzylmethylamine hydrobromide (BAKER), 1206.
C₉H₁₁ON₂ 5-Amino-2-acetamidotoluene (ELSON, GIBSON, and JOHNSON), 2739.
 o-Aminoacetomethylanilide (PHILLIPS), 2824.
 2-Keto-3-cyano-4:4:6-trimethyl-2:3:4:5-tetrahydropyridine (QUDRAT-I-KHUDA), 205.
C₉H₁₂O₂N₂ Nitrobenzyl dimethylamines, and their salts (BENNETT and WILLIS), 264.
C₉H₁₃ON 4:6-Dimethyl-5-ethyl-2-pyridone (BARDHAN), 2231.
 Nor-*d*- ψ -ephedrine, resolution of externally compensated acids by means of (GIBSON and LEVIN), 2754.
C₉H₁₃O₂N₂ 3-Ethyl-1:2:4-triazole-5-azocetylacetone (REILLY and MADDEN), 816.
C₉H₁₃N₃Cl₂ 6-Benzimidazolylethylamine dihydrochloride (CHATTERJEE), 2967.
C₉H₁₄O₂N₂ 6-Hydroxy-2-keto-3-cyano-4:4:6-trimethylpiperidine (QUDRAT-I-KHUDA), 205.
C₉H₁₄NBr *p*-Methylbenzylmethylamine hydrobromide (BAKER), 1206.
C₉H₁₅O₂N₂ Ethyl 4-ethylpiperazine-1-carboxylate (MOORE, BOYLE, and THORN), 46.
C₉H₁₇O₂N₂ δ -Amino- δ -hydroxy- α -cyano- $\beta\beta$ -dimethylhexoamide (QUDRAT-I-KHUDA), 206.
C₉H₁₇O₂Cl *d*- β -Octyl chlorocarbonate, reactions of (HOUSSA and PHILLIPS), 2510.
C₉H₁₉O₂N₂ Ethyl 4- β -hydroxyethylpiperazine-1-carboxylate (MOORE, BOYLE, and THORN), 47.
C₉H₁₉ON Trimethyl- α -hydroxyallylamine, picrate of (INGOLD and ROTHSTEIN), 13.
C₉H₁₉ON₂ Methyl isohexyl ketone semicarbazone (HEILBRON and THOMPSON), 888.
C₉H₂₂OP Triethyl-*n*-propylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2351.

9 IV

- C₉H₉N₂Br₃S** 2-Thiolphenyl-4:5-dihydroglyoxaline perbromide (McCLELLAND and WARREN), 2627.
C₉H₁₀O₂N₂F Fluoromethoxybenzaldehyde semicarbazones (HODGSON and NIXON), 1638.
C₉H₁₀O₄NAs 6-Acetamido-3:4-methylenedioxyphenylarsinic acid (BALABAN), 1091.

- $C_9H_{11}ON_3S$ *o*-Thiolacetophenone semicarbazone (McCLELLAND), 1591.
 $C_9H_{11}O_4NS$ *dl*-Benzenesulphonylalanine, resolution of (GIBSON and LEVIN), 2754.
 $C_9H_{12}O_3N_2S$ Benzenesulphonylalanineamides (GIBSON and LEVIN), 2757.
 $C_9H_{13}O_5N_4S$ *N*-Phenylalanine-4-arsinic acid, resolution of, and its brucine salt (GIBSON, JOHNSON, and LEVIN), 483.
 $C_9H_{12}O_6N_2S$ β -3-Nitro-4-methoxyphenylethylamine-5-sulphonic acid (CALLOW, GULLAND, and HAWORTH), 1450.
 $C_9H_{13}O_5N_4S$ *N*-Phenylalanineamide-4-arsinic acid (GIBSON, JOHNSON, and LEVIN), 484.
 $C_9H_{14}O_3N_2S$ *N*-Toluenesulphonylethylenediamine (MOORE, BOYLE, and THORN), 50.

9 V

- $C_9H_8ONBr_4Mo$ Quinolinium molybdenyl tetrabromide (ANGELL, JAMES, and WARDLAW), 2581.

 C_{10} Group.

- $C_{10}H_{16}$ α -Terpinene, oxidation of, with benzoylhydroperoxide (ELSON, GIBSON, and SIMONSEN), 2732.

10 II

- $C_{10}H_8O$ α - and β -Naphthols, structure of (KING), 601; reaction of ethyl ether, acetyl bromide, and (BASSETT and TAYLOR), 1568.
 $C_{10}H_8O_4$ 7:8-Dihydroxy-2-methylchromone (VENKATARAMAN), 2220.
 $C_{10}H_8O_4$ 3:6-Dicarboxyhexahydrophthalic anhydride (FARMER and WARREN), 906.
 $C_{10}H_8O_6$ Dihydroprehnitic acid (FARMER and WARREN), 905.
 $C_{10}H_9N$ β -Naphthylamine, nitration of (BELL), 2784.
 $C_{10}H_{10}O$ β -Decalones (RAO), 1961, 1967.
 $C_{10}H_{10}O_3$ 3-Ethylidene *cis*- Δ^4 -tetrahydrophthalic anhydride (FARMER and WARREN), 908.
 $C_{10}H_{10}O_4$ 3:6-Dihydroxymethyl-*cis*- Δ^4 -tetrahydrophthalic acid lactone (FARMER and WARREN), 904.
 $C_{10}H_{10}O_5$ *iso*Opianic acid, synthesis of (CHAKRAVARTI and PERKIN), 193.
 $C_{10}H_{12}O$ α -Phenyl- γ -methylallyl alcohol (BURTON), 456.
 $C_{10}H_{12}O_2$ 4-Methoxy-2:5-dimethylbenzaldehyde (CLEMO, HAWORTH, and WALTON), 2377.
 $C_{10}H_{12}O_3$ 4:5-Dimethyl-*cis*- Δ^4 -tetrahydrophthalic anhydride (FARMER and WARREN), 902.
 4-Methoxy-2:5-dimethylbenzoic acid (CLEMO, HAWORTH, and WALTON), 2377.
 $C_{10}H_{12}O_4$ 3:6-Dihydroxymethylhexahydrophthalic acid lactone (FARMER and WARREN), 904.
 3-Ethylidene-*cis*- Δ^4 -tetrahydrophthalic acid (FARMER and WARREN), 908.
 $C_{10}H_{12}O_6$ 6-Carboxy-3-methyl-*cis*- Δ^5 -tetrahydrophthalic acid (FARMER and WARREN), 906.
 $C_{10}H_{13}O_6$ 3:6-Dicarboxyhexahydrophthalic acid (FARMER and WARREN), 906.
 $C_{10}H_{13}N$ α - Δ^1 -*cyclo*Hexanylbutyronitrile (KANDIAH and LINSTAD), 2150.
 $C_{10}H_{14}O_4$ 4:5-Dimethyl-*cis*- Δ^4 -tetrahydrophthalic acid (FARMER and WARREN), 902.
 $C_{10}H_{14}O_6$ 3-Acetyl-4-methyl-*cyclopentan*-4-ol-1:2-dicarboxylic acid (FARMER and WARREN), 903.
 $C_{10}H_{14}O_7$ Glucose-acetone carbonate (HAWORTH and PORTER), 2801.
 $C_{10}H_{14}N_2$ Nicotine, purification and properties of (LOWRY and LLOYD), 1376; and its salts, optical properties of (LOWRY and LLOYD), 1771; determination of (CHATTAWAY and PARKES), 2817.

- $C_{10}H_{16}O$ *cyclo*Heptylideneacetone (HUGH, KON, and MITCHELL), 1438.
 1:4-Oxido- Δ^2 -*p*-menthene (ELSON, GIBSON, and SIMONSEN), 2734.
 Piperitone (READ, WATTERS, ROBERTSON, and HUGHESDON), 2068 ; (READ and WATTERS), 2165.
- $C_{10}H_{16}O_2$ Substance, from piperitone, chlorohydrin, and silver oxide (READ, WATTERS, ROBERTSON, and HUGHESDON), 2076.
- $C_{10}H_{14}O_3$ *cyclo*Pentane-1-acetone-1-acetic acid (QUDRAT-I-KHUDA), 719.
- $C_{10}H_{14}O_4$ Ethyl *dl*- α -hydroxy- β -isopropylglutarolactone (GIBSON and SIMONSEN), 1079.
- $C_{10}H_{14}O_5$ α -Carboxy- γ -acetyl- β -methyl- β -ethylbutyric acid (QUDRAT-I-KHUDA), 1916.
- $C_{10}H_{16}O_7$ 6-Carboxy-3-methyl-*cis*-hexahydrophthalic acid (FARMER and WARREN), 906.
- $C_{10}H_{17}O_2$ δ -Hydroxy- $\beta\beta$ -diethyl- $\Delta\gamma$ -hexenoic lactone (QUDRAT-I-KHUDA), 1920.
- $C_{10}H_{17}N$ ψ -Anhydrolupinine, and its salts (CLEMO and RAPER), 1935.
- $C_{10}H_{16}O_3$ γ -Acetyl- $\beta\beta$ -diethylbutyric acid (QUDRAT-I-KHUDA), 1919.
 1-Ethoxycyclohexylacetic acid, silver salt (KON and LINSTEAD), 1282.
- $C_{10}H_{18}O_4$ Ethyl hydrogen β -methyl- β -ethylglutarate, silver salt (QUDRAT-I-KHUDA), 1917.
 Sebacic acid, catalytic and thermal decomposition of (VOGEL), 732.
- $C_{10}H_{18}O_6$ Propyl racemates (CAMPBELL), 1113.
 Tetramethylgluconolactones, conversion of, into the corresponding mannonolactones (HAWORTH and LONG), 345.
- $C_{10}H_{19}N$ ψ -Anhydrodihydrolupinine, and its salts (CLEMO and RAPER), 1936.
- $C_{10}H_{20}O_3$ Ethyl β -ethoxyisohexanoate (LINSTEAD), 2509.
- $C_{10}H_{20}O_5$ 2:3:4-Trimethyl β -methylrhamnoside (HAWORTH, HIRST, and MILLER), 2476.
- $C_{10}H_{21}N$ Menthylamines, salts of, with optically active acids (READ, STEELE, and CARTER), 23.

10 III

- $C_{10}H_4O_3N_2$ Quinoxaline-2:3-dicarboxylic anhydride (CHATTAWAY and HUMPHREY), 648.
- $C_{10}H_5O_2N_3$ Quinoxaline-2:3-dicarboxyimide (CHATTAWAY and HUMPHREY), 648.
- $C_{10}H_6O_4N_2$ Quinoxaline-2:3-dicarboxylic acid, and its salts (CHATTAWAY and HUMPHREY), 647.
- $C_{10}H_6N_2Br_4$ 5:6:7:8-Tetrabromo-2:3-dimethylquinoxaline (HENDERSON), 468.
- $C_{10}H_7O_2N$ Quinaldonic acid, preparation of (TAYLOR), 1110.
- $C_{10}H_7O_3N_3$ Quinoxaline-2:3-dicarboxyamic acid (CHATTAWAY and HUMPHREY), 648.
- $C_{10}H_9O_3N$ 5-Cyano-2:3-dimethoxybenzaldehyde (CHAKRAVARTI and PERKIN), 195.
- $C_{10}H_9O_3N_3$ Nitroacetamido-3-hydroxy-1:4-benzisooxazines (BALABAN), 2609.
- $C_{10}H_9O_4N$ 6:7-Dimethoxyisatin (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2933.
- $C_{10}H_9O_6N$ Substance, from reduction of 2-nitro-3:4-dimethoxymandelic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2935.
- $C_{10}H_9O_6N$ 3-Nitrobenzylmalonic acid (GULLAND, HAWORTH, and VIRDEN), 1671.
 4-Nitro-1:2-diacetoxybenzene (BALABAN), 1092.
- $C_{10}H_{10}O_2N_2$ Benziminazole-2-propionic acid (CHATTERJEE), 2966.
- $C_{10}H_{10}O_3N_2$ Ethyl 3-cyano-6-methyl-2-pyridone-4-carboxylate (BARDHAN), 2227.
- $C_{10}H_{10}O_3Br_2$ 3:6-Dibromomethyl-*cis*- Δ^4 -tetrahydrophthalic anhydride (FARMER and WARREN), 903.
- $C_{10}H_{11}O_3N$ 6:7-Dimethoxyoxindole (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2934.

- C₁₀H₁₁O₄N** 4-Amino-1:2-diacetoxybenzene (BALABAN), 1092.
6:7-Dimethoxydioxindole (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2934.
Ethyl α -nitrophenylacetate, and its lithium salt (BAKER), 2261.
 β -3-Nitro-4-methoxyphenylpropionic acid (CALLOW, GULLAND, and HAWORTH), 1452.
Ox-2:5-dimethoxyanilic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2929.
- C₁₀H₁₁O₇N** 2-Nitro-3:4-dimethoxymandelic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2935.
- C₁₀H₁₂ON₂** 3-Cyano-4:6-dimethyl-5-ethyl-2-pyridone (BARDHAN), 2231.
1-Methyl-2- α -hydroxyethylbenzimidazole (PHILLIPS), 2826.
- C₁₀H₁₂ON₄** Benzimidazole-2-propionic hydrazide (CHATTERJEE), 2966.
- C₁₀H₁₂O₂N₂** 2-Amino-3:4-dimethoxyphenylacetoneitrile (GULLAND and VIRDEN), 1800.
2:5-Dimethoxyanilinoacetoneitrile (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2928.
- C₁₀H₁₂O₄N₂** β -3-Nitro-4-methoxyphenylpropionamide (CALLOW, GULLAND, and HAWORTH), 1452.
- C₁₀H₁₂O₅N₂** 2-Nitro-3:4-dimethoxyphenylacetamide (GULLAND and VIRDEN), 1803.
- C₁₀H₁₂N₂S** 1-Imino-2:3:5-trimethyl-1:2-dihydrobenzthiazole (HUNTER and PRIDE), 945.
2-*o*-Methylthiophenyl-4:5-dihydroglyoxaline (MCCLELLAND and WARREN), 2625.
- C₁₀H₁₃ON** Formyl- β -phenylethylmethylamine (GULLAND and VIRDEN), 1800.
- C₁₀H₁₃O₂N** Formyl- β -3-methoxyphenylethylamine (GULLAND and VIRDEN), 1796.
- C₁₀H₁₃O₃N₂** *m*-Nitrobenzomethylthylamidoxime (BRADY and PEAKIN), 2271.
- C₁₀H₁₃O₄N** 2-Amino-3:4-dimethoxyphenylacetic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2934.
Iridamide (BAKER and ROBINSON), 160.
- C₁₀H₁₃ClS** Phenyl δ -chlorobutyl sulphide (BENNETT, HEATHCOAT, and MOSSES), 2569.
- C₁₀H₁₄OS** Phenyl δ -hydroxybutyl sulphide (BENNETT and HEATHCOAT), 273.
Phenyltetramethylsulphonium hydroxide, salts of (BENNETT, HEATHCOAT, and MOSSES), 2570.
- C₁₀H₁₄O₃N₂** 2:5-Dimethoxyanilinoacetamide (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2929.
- C₁₀H₁₄N₂S** *s-m*-Xylylmethylthiocarbamide (HUNTER and PRIDE), 945.
- C₁₀H₁₅ON** α -Hydroxyphenylethyldimethylamines, and their hydrochloride (E. and E. STEDMAN), 612.
- C₁₀H₁₅NBr₂** *m*-Bromobenzyltrimethylammonium bromide (BAKER and INGOLD), 438.
- C₁₀H₁₆O₂N₂** 6-Hydroxy-2-keto-3-cyano-4:6-dimethyl-4-ethylpiperidine (QUDRAT-I-KHUDA), 1916.
- C₁₀H₁₇ON₂** Δ^1 -*cyclo*Pentylmethyl ethyl ketone semicarbazone (DICKINS, HUGH, and KON), 576.
*cyclo*Pentylidenemethyl ethyl ketone semicarbazone (DICKINS, HUGH, and KON), 575.
- C₁₀H₁₇OP** Benzyltrimethylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2353.
- C₁₀H₁₇O₂Cl** *dl*-Piperitone chlorohydrin (READ, WATTERS, ROBERTSON, and HUGHESDON), 2075.
- C₁₀H₁₉O₂N₂** γ -Acetyl- β -methyl- β -ethylbutyric acid semicarbazone (QUDRAT-I-KHUDA), 1917.

- $C_{10}H_{21}O_2N$ Triethylethoxyaldehydomethylamine, picrate of (INGOLD and ROTHSTEIN), 14.
 $C_{10}H_{24}IP$ Methyltri-*n*-propylphosphonium iodide (DAVIES, PEARSE, and JONES), 1264.

10 IV

- $C_{10}H_3O_3N_2Cl$ 6-Chloroquinoxaline-2:3-dicarboxylic anhydride (CHATTAWAY and HUMPHREY), 649.
 $C_{10}H_3O_3N_2Br$ 6-Bromoquinoxaline-2:3-dicarboxylic anhydride (CHATTAWAY and HUMPHREY), 650.
 $C_{10}H_4O_4NCl_5$ 6-Nitro-2(or 4)-trichloromethyl-4(or 2)-dichloromethylene-1:3-benzodioxin (CHATTAWAY and IRVING), 1048.
 $C_{10}H_5O_4N_2Cl$ 6-Chloroquinoxaline-2:3-dicarboxylic acid, and its salts (CHATTAWAY and HUMPHREY), 649.
 $C_{10}H_5O_4N_2Br$ 6-Bromoquinoxaline-2:3-dicarboxylic acid, and its salts (CHATTAWAY and HUMPHREY), 650.
 $C_{10}H_7O_2BrS$ 1-Bromonaphthalene-2-sulphinic acid (COHEN and SMILES), 211.
 $C_{10}H_9ONS$ 1-Acetyl-2-methylene-1:2-dihydrobenzisothiazole (McCLELLAND), 1591.
 $C_{10}H_9O_2N_2Br$ Ethyl 5-bromo-3-cyano-6-methyl-2-pyridone-4-carboxylate (BARDHAN), 2227.
 $C_{10}H_9O_4NS$ Hydrogen 4-amino-1-naphthyl sulphate (BURKHARDT and WOOD), 147.
 $C_{10}H_9O_8N_2Cl$ γ -Chloropropyl 3:5-dinitrobenzoate (BENNETT and HEATHCOAT), 271.
 $C_{10}H_{10}O_4N_4Cu$ Dipyridinocupric nitrite (KING), 2596.
 $C_{10}H_{10}N_2I_2Co$ Cobaltous iodide dipyridine (PERCIVAL and WARDLAW), 1509.
 $C_{10}H_{12}O_2N_2Cu$ Dipyridinocupric hydroxide, salts of (KING), 2595.
 $C_{10}H_{12}O_3NBr$ Aceto-4-bromo-2:5-dimethoxyanilide (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2930.
 $C_{10}H_{12}N_2Cl_4Co$ Dipyridinium cobaltous chloride (PERCIVAL and WARDLAW), 1508.
 $C_{10}H_{12}N_2Br_4Co$ Dipyridinium cobaltous bromide (PERCIVAL and WARDLAW), 1509.
 $C_{10}H_{13}O_4NS$ Benzenesulphonylalanine methyl esters (GIBSON and LEVIN), 2757.
 $C_{10}H_{14}ONI$ Benzaldehyde-*p*-trimethylammonium iodide (HODGSON and COOPER), 233.
 $C_{10}H_{14}O_4N_2S$ 1-Methylbenzimidazole methosulphate (PHILLIPS), 2825.
 $C_{10}H_{14}O_5NAs$ Methyl *N*-phenylalanine-4-arsinate (GIBSON, JOHNSON, and LEVIN), 483.
dl-N-o-Tolylalanine-5-arsinic acid (GIBSON and LEVIN), 2760.
 $C_{10}H_{15}O_4N_2As$ *dl-N-o*-Tolylalanineamide-5-arsinic acid, and its resolution and salts (GIBSON and LEVIN), 2761.
 $C_{10}H_{16}N_2Cl_4I_2$ Nicotine tetrachloroiodide (CHATTAWAY and PARKES), 1314.
 $C_{10}H_{20}Cl_4Se_2Pt$ Bis-1-chlorocycloselenipentane 1-chloroplatinate (MORGAN and BURSTALL), 2201.

10 V

- $C_{10}H_6OCIBrS$ 1-Bromonaphthalene-2-sulphinyl chloride (COHEN and SMILES), 211.
 $C_{10}H_6O_2CIBrS$ 1-Bromonaphthalene-2-sulphonyl chloride (COHEN and SMILES), 211.
 $C_{10}H_6O_4NSK$ Potassium 4-nitro-1-naphthyl sulphate (BURKHARDT and WOOD), 145.
 $C_{10}H_8ONBrS$ 1-Bromoacetyl-2-methylene-1:2-dihydrobenzisothiazole (McCLELLAND), 1591.
 $C_{10}H_8O_4NSK$ Potassium 1-amino-2-naphthyl sulphate (BURKHARDT and WOOD), 146.

- $C_{10}H_{13}ON_2Br_5Mo$ Dipyrindinium molybdenyl pentabromide (ANGELL, JAMES, and WARDLAW), 2582.
 $C_{10}H_{13}O_4NS_2As$ Di(carboxymethyl) 4-aminophenylthioarsenite (BARBER), 1022.
 $C_{10}H_{13}O_5NS_2As$ Di(carboxymethyl) 3-amino-4-hydroxyphenylthioarsenite (BARBER), 1023.
 $C_{10}H_{13}O_5N_3S_2As$ 5-Nitro-2-hydroxyphenylarsinic acid thiolacetamide (BARBER), 2335.
 $C_{10}H_{14}O_4N_3S_2As$ Di(carbamylmethyl) 4-aminophenylthioarsenite (BARBER), 1022.
 $C_{10}H_{14}O_3N_3S_2As$ Di(carbamylmethyl) 3-amino-4-hydroxyphenylthioarsenite (BARBER), 1023.

10 VI

- $C_{10}H_{11}O_4N_3ClS_2As$ 3-Chloro-6-nitrophenylarsinic acid thiolacetamide (BARBER), 2336.
 $C_{10}H_{11}O_4N_3BrS_2As$ Bromonitrophenylarsinic acid thiolacetamide (BARBER), 2335.
 $C_{10}H_{11}O_4N_3IS_2As$ 2-Iodo-5-nitrophenylarsinic acid thiolacetamide (BARBER), 2336.
 $C_{10}H_{12}O_3N_2BrS_2As$ 3-Bromophenylarsinic acid thiolacetamide (BARBER), 2337.
 Di(carbamylmethyl) *o*-biomphenylthioarsenite (BARBER), 2335.

 C_{11} Group.

- $C_{11}H_{18}$ 3-Methyl- $\Delta^1:3$ -menthadiene (READ and WATTERS), 2169.

11 II

- $C_{11}H_9N_2$ 2:3-Pyrrolo(4':5')-quinoline (ROBINSON), 2949.
 $C_{11}H_{11}N$ 2:3-Dimethylquinoline, preparation of (PLANT and ROSSER), 1864.
 $C_{11}H_{12}O_3$ 4-Hydroxy-2:5-dimethylcinnamic acid (CLEMO, HAWORTH, and WALTON), 2377.
 $C_{11}H_{13}N$ β -2:4-Dimethylphenylpropionitrile (CLEMO, HAWORTH, and WALTON), 2375.
 $C_{11}H_{14}O_2$ 4-Methoxy-2:5-dimethylacetophenone (CLEMO, HAWORTH, and WALTON), 2376.
 $C_{11}H_{14}O_4$ *cyclo*Pentane-1-acetone-1-malonic acid dilactone (QUDRAT-I-KHUDA), 719.
 $C_{11}H_{14}O_6$ 2:4-Dihydroxy- ω -3:6-trimethoxyacetophenone (BAKER, NODZU, and ROBINSON), 79.
 $C_{11}H_{16}O_2$ *cyclo*Pentanespiro-4-methyl*cyclo*hexane-3:5-dione (DICKINS HUGH, and KON), 576.
 $C_{11}H_{16}O_6$ *cyclo*Pentane-1-acetone-1-malonic acid (QUDRAT-I-KHUDA), 719.
 $C_{11}H_{18}O_2$ *cyclo*Hexane-1-acetone-1-acetic acid, and its silver salt (QUDRAT-I-KHUDA), 717.
 $C_{11}H_{16}O_4$ Ethyl $\Delta\beta$ -butenylmalonate (ECCOTT and LINSTEAD), 2163.
 $C_{11}H_{18}O_5$ α -Carboxy- γ -acetyl- $\beta\beta$ -diethylbutyric acid (QUDRAT-I-KHUDA), 1918.
 $C_{11}H_{19}N$ Anhydromethyl-lupanine, and its salts (CLEMO and RAPER), 1926.
 $C_{11}H_{20}O_2$ 1-Ethoxycyclohexylacetone (KON and LINSTEAD), 1276.
 $C_{11}H_{20}O_3$ Acid, from cutin, and its silver salt (LEGG and WHEELER), 2446.
 $C_{11}H_{20}O_4$ Ethyl hydrogen $\beta\beta$ -diethyl glutarate, silver salt (QUDRAT-I-KHUDA), 1919.
 $C_{11}H_{20}O_6$ Acetyl methylrhamnoside (HAWORTH, HIRST, and MILLER), 2475.
 $C_{11}H_{20}O_9$ *l*-2-Carbomethoxy-3:4:6-trimethylmannonic acid (HAWORTH and PEAT), 355.
 $C_{11}H_{21}N$ Anhydrodihydromethyl-lupanines, and their salts (CLEMO and RAPER), 1937.
 $C_{11}H_{22}O_2$ 4:8-Dimethylnonoic acid (HEILBRON and THOMPSON), 891.

11 III

- $C_{11}H_{10}ON_2$ 3-Formamidoquinaldine (ROBINSON), 2949.
 $C_{11}H_{10}O_2N_2$ Nitrodihydropentindoles (PLANT), 2495.
 $C_{11}H_{11}O_4N$ α -Methylallyl *p*-nitrobenzoate (BURTON), 456.
 $C_{11}H_{11}O_6N$ 5-Nitro-2:3-dimethoxycinnamic acid (CHAKRAVARTI and PERKIN), 194.
 $C_{11}H_{11}NS$ Penthienoindole (BENNETT and WADDINGTON), 2830.
 $C_{11}H_{13}O_2N_2$ Ethyl 3-cyano-1:6-dimethyl-2-pyridone-4-carboxylate (BARDHAN), 2227.
 10-Nitro-9-hydroxytetrahydropentindole (PLANT), 2496.
 $C_{11}H_{12}O_4N_4$ 6:7-Dimethoxyisatin semicarbazone (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2933.
 $C_{11}H_{13}O_2N$ 1-Keto-6-methoxy-2-methyltetrahydroisoquinoline (GULLAND and VIRDEN), 1798.
 $C_{11}H_{13}O_2N_3$ *cyclo*Pentanone nitrophenylhydrazones (PLANT), 2495.
 $C_{11}H_{13}O_3N$ 3:4:5-Trimethoxyphenylacetoneitrile (BAKER and ROBINSON), 157.
 $C_{11}H_{13}O_4N$ 5-Amino-2:3-dimethoxycinnamic acid (CHAKRAVARTI and PERKIN), 195.
 $C_{11}H_{14}ON_2$ *N*-Benzoypiperazine (MOORE, BOYLE, and THORN), 46.
 $C_{11}H_{14}O_2N_2$ Diacetyl-*o*-aminomethylalaniline (PHILLIPS), 2824.
 $C_{11}H_{14}O_2S$ 4-Phenylpenthian-4-ol oxides (BENNETT and WADDINGTON), 2834.
 $C_{11}H_{14}OS$ 4-Phenylpenthian-4-ol (BENNETT and WADDINGTON), 2831.
 $C_{11}H_{14}O_2S$ Sulphone from phenylpenthianol (BENNETT and WADDINGTON), 2832.
 $C_{11}H_{14}N_2Cl_2$ β -Aminoethylquinolinium chloride hydrochlorides (SESHADRI), 2953.
 $C_{11}H_{14}N_2Br_2$ β -Aminoethylquinolinium bromide hydrobromides (SESHADRI), 2953.
 $C_{11}H_{14}N_2S$ Penthianone phenylhydrazone (BENNETT and WADDINGTON), 2830.
 $C_{11}H_{15}ON$ 6-Methoxy-2-methyltetrahydroisoquinoline, and its hydriodide (GULLAND and VIRDEN), 1798.
 $C_{11}H_{15}O_2N$ 1-Hydroxy-6-methoxy-2-methyltetrahydroisoquinoline (GULLAND and VIRDEN), 1797.
 $C_{11}H_{15}O_4N$ 3:4:5-Trimethoxyphenylacetamide (BAKER and ROBINSON), 158.
 $C_{11}H_{15}ClS$ Phenyl ϵ -chloroamyl sulphide (BENNETT, HEATHCOAT, and MOSSES), 2569.
 $C_{11}H_{15}OS$ Phenyl ϵ -hydroxyamyl sulphide (BENNETT and HEATHCOAT), 274.
 Phcnylpentamethylenesulphonium hydroxide, salts of (BENNETT, HEATHCOAT, and MOSSES), 2570.
 $C_{11}H_{16}O_2N_2$ *cyclo*Pentanespirocyclo-3-hydroxy-6-cyano-3-methyl-5-piperidone (QUDRAT-I-KHUDA), 719.
 $C_{11}H_{16}NCl$ 2:6-Dimethyl-1:2:3:4-tetrahydroquinoline hydrochloride (PLANT and ROSSER), 1865.
 $C_{11}H_{17}ON$ Substance, from *l*-piperitone and potassium cyanide (READ and WATERS), 2172.
 $C_{11}H_{17}O_2N$ Ethyl α -cyano- γ -acetyl- $\beta\beta$ -dimethylbutyrate (QUDRAT-I-KHUDA), 205.
 $C_{11}H_{18}O_2N_2$ 6-Hydroxy-2-keto-3-cyano-6-methyl-4:4-diethylpiperidine (QUDRAT-I-KHUDA), 1918.
 $C_{11}H_{19}ON_3$ *cyclo*Heptenylacetone (HUGH, KON, and MITCHELL), 1439.
 $C_{11}H_{19}O_2N_3$ *cyclo*Pentane-1-acetone-1-acetic acid semicarbazone (QUDRAT-I-KHUDA), 720.
 $C_{11}H_{19}O_5N_3$ α -Carboxy- γ -acetyl- β -methyl- β -ethylbutyric acid semicarbazone (QUDRAT-I-KHUDA), 1916.
 $C_{11}H_{20}O_4N_2$ Ethyl 4-carbethoxypiperazinoacetate (MOORE, BOYLE, and THORN), 48.

- $C_{11}H_{21}O_2N_3$ 1-Methoxycyclohexylacetone semicarbazone (KON and LINSTAD), 1276.
 $C_{11}H_{23}ON$ 4:8-Dimethylnonamide (HEILBRON and THOMPSON), 891.
 Triethyl- α -ethoxyallylamine, picrate of (INGOLD and ROTHSTEIN), 12.
 $C_{11}H_{27}OP$ Ethyltri-*n*-propylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2351.

11 IV

- $C_{11}H_{10}NBrS$ 8-Bromopenthiendoindole (BENNETT and WADDINGTON), 2830.
 $C_{11}H_{12}ON_2S$ 1-Imino-2-acetyl-3:5-dimethyl-1:2-dihydrobenzthiazole (HUNTER and PRIDE), 944.
 $C_{11}H_{12}O_4N_3Cl$ Chlorodinitrophenylpiperidines (GROVES, TURNER, and SHARP), 521.
 $C_{11}H_{13}ON_2Cl$ β -Aminoethylquinolone hydrochlorides (SESHADRI), 2954.
 $C_{11}H_{13}O_2N_2Cl$ 1- β -Aminoethyl-6-hydroxy-2-quinolone hydrochloride (SESHADRI), 2956.
 $C_{11}H_{13}O_3N_3S$ Penthianone-*p*-nitrophenylhydrazone (BENNETT and WADDINGTON), 2830.
 $C_{11}H_{13}N_2BrS$ Penthian-*p*-bromophenylhydrazone (BENNETT and WADDINGTON), 2830.
 $C_{11}H_{14}ONI$ 6-Methoxy-3:4-dihydroisoquinoline methiodide (GULLAND and VIRDEN), 1797.
 $C_{11}H_{14}ONI_3$ 6-Methoxy-3:4-dihydroisoquinoline methiodide periodide (GULLAND and VIRDEN), 1797.
 $C_{11}H_{14}ONI_5$ 6-Methoxy-3:4-dihydroisoquinoline methiodide periodide (GULLAND and VIRDEN), 1797.
 $C_{11}H_{14}ON_2Cl$ β Aminoethyl-6-hydroxyquinolinium chloride hydrochloride (SESHADRI), 2955.
 $C_{11}H_{14}ON_2S$ Acetyl-*m*-xylylthiocarbamide (HUNTER and PRIDE), 944.
 $C_{11}H_{16}O_2N_2S$ *N-p*-Toluenesulphonylpiperazine (MOORE, BOYLE, and THORN), 46.
 $C_{11}H_{16}O_2N_2S_2$ 1-Amino-3:5-dimethylbenzthiazole methosulphate (HUNTER and PRIDE), 946.
 $C_{11}H_{16}O_5NaS$ Ethyl *N*-phenylalanine-4-arsinate (GIBSON, JOHNSON, and LEVIN), 483.
dl.N-o-Tolylalanine-5-arsinic acid methyl ester (GIBSON and LEVIN), 2760.
 $C_{11}H_{17}ON_2Cl_2$ β -Ethoxybenzimidazoleethylamine dihydrochloride (CHATTERJEE), 2958.
 $C_{11}H_{21}NCII$ Chlorolupinine methiodide (CLEMO and RAPER), 1934.

11 V

- $C_{11}H_{13}ON_2Br_2S$ 1-Acetamido-3:5-dimethylbenzthiazole hydrotribronide (HUNTER and PRIDE), 944.

 C_{12} Group.

- $C_{12}H_{20}$ 3-Ethyl- $\Delta^{1:3}$ -menthadiene (READ and WATERS), 2170.

12 II

- $C_{12}H_{10}O_4$ Piperic acid, hydrogenation of (LEBEDEV and YAKUBCHIK), 220.
 $C_{12}H_{10}N_2$ 2:3-(2'-Methylpyrrolo)(4':5')-quinoline (ROBINSON), 2949.
 $C_{12}H_{10}Se_2$ Diphenyl diselenide, parachor of (HENLEY and SUGEN), 1063.
 $C_{12}H_{11}N$ Benzylpyridines, and their nitiates (BRYANS and PYMAN), 550.
 $C_{12}H_{12}O_4$ Phenylacetylacetone-*o*-carboxylic acid (HURTLEY), 1871.
 $C_{12}H_{14}O_3$ 6-Methoxy-4:7-dimethyl- α -hydrindone (CLEMO, HAWORTH, and WALTON), 2378.
 γ -Phenyl- α -methylallyl acetate (BURTON), 457.

- $C_{12}H_{14}O_2$ 4-Methoxy-2:5-dimethylcinnamic acid (CLEMO, HAWORTH, and WALTON), 2377.
 $C_{12}H_{14}N$ 2:3:4:5:6:13-Hexahydro- α -quinindene (BLOUNT, PERKIN, and PLANT), 1985.
 $C_{12}H_{15}Cl$ *p*-Chlorophenylcyclohexane (MAYES and TURNER), 502.
 $C_{12}H_{15}Br$ *p*-Bromophenylcyclohexane (MAYES and TURNER), 503.
 $C_{12}H_{15}I$ *p*-Iodophenylcyclohexane (MAYES and TURNER), 503.
 $C_{12}H_{16}O$ cycloHexane-1-acetone-1-malonic acid, dilactone of (QUDRAT-I-KHUDA), 717.
 $C_{12}H_{16}O_2$ β -4-Methoxy-2:5-dimethylphenylpropionic acid (CLEMO, HAWORTH, and WALTON), 2377.
 $C_{12}H_{16}O_4$ Methyl β -3:4-dimethoxyphenylpropionate (CHILD and PYMAN), 2014.
 $C_{12}H_{16}O_7$ β -*p*-Hydroxyphenylgalactoside (ROBERTSON), 1821.
 $C_{12}H_{17}N$ $\Delta^{2:3(1:2)}$ *trans*-Decahydronaphthalene-2-acetonitrile (RAO), 1964.
 $C_{12}H_{18}O_2$ cycloHexane-1-acetone-1-malonic acid (QUDRAT-I-KHUDA), 716.
 $C_{12}H_{18}N_2$ 2:1-Diaminophenylcyclohexane (MAYES and TURNER), 505.
 $C_{12}H_{18}P$ Phenyl-di-*n*-propylphosphine (DAVIES, PEARSE, and JONES), 1264.
 $C_{12}H_{20}O_2$ Methyl cyclohexane-1-acetone-1-acetate (QUDRAT-I-KHUDA), 718.
 $C_{12}H_{20}O_3$ Ethyl α -acetyl- β -methylglutarate (BURTON and INGOLD), 2030.
 $C_{12}H_{20}O_6$ Fructose-diacetone, constitution of (ANDERSON, CHARLTON, and HAWORTH), 1337.
 Glucose-diacetone, constitution of (ANDERSON, CHARLTON, and HAWORTH), 1329.
 $C_{12}H_{22}O_3$ Ethyl γ -acetyl- $\beta\beta$ -diethylbutyrate (QUDRAT-I-KHUDA), 1919.
 Ethyl 1-ethoxycyclohexylacetate (KON and LINSTEAD), 1282.
 $C_{12}H_{22}O_4$ Butyl racemates (CAMPBELL), 1113.
 $C_{12}H_{22}O_{11}$ Lactose, compound of, with lime (MACKENZIE and QUIN), 963.
 Maltose, compound of, with lime (MACKENZIE and QUIN), 962.
 Sucrose, compounds of, with baryta, lime, strontia, and potassium chloride (MACKENZIE and QUIN), 956.
 $C_{12}H_{24}O$ 3-Ethylmenthan-3-ol (READ and WATTERS), 2170.
 Hexahydro- ψ -ionone (HEILBRON and THOMPSON), 888.
 $C_{12}H_{24}O_4$ Hexoic acid, zinc salt (HAWORTH), 1460.
 $C_{12}H_{27}P$ Tri-*n*-butylphosphine (DAVIES and JONES), 34.
 Triisobutylphosphine (DAVIES, PEARSE, and JONES), 1265.

12 III

- $C_{12}H_8NCl_4$ Hexachlorodiphenylamine (CHAPMAN), 571.
 $C_{12}H_7OCl_3$ 2:4:4'-Trichlorodiphenyl ether (GROVES, TURNER, and SHARP), 520.
 $C_{12}H_7O_2N_2$ Quinoxaline-2:3-dicarboximide, acetyl derivative (CHATTAWAY and HUMPHREY), 648.
 $C_{12}H_7O_4N_2$ 7-Nitro- δ -carboline-3-carboxylic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2941.
 $C_{12}H_7O_5N_3$ Trinitrodiphenyls (GULL and TURNER), 495.
 $C_{12}H_7NCl_4$ Tetrachlorodiphenylamines (CHAPMAN), 571.
 $C_{12}H_8OI_2$ 4':4'-Diiododiphenyl ether (SCARBOROUGH), 2367.
 $C_{12}H_8O_2N_2$ Nitrobenzoylpyridines (BRYANS and PYMAN), 551.
 $C_{12}H_8O_4N_2$ 2:4-Dinitrodiphenyl (GULL and TURNER), 496.
 $C_{12}H_8NCl_3$ 2:4:6-Trichlorodiphenylamine (CHAPMAN), 571.
 $C_{12}H_8ClBr$ 4-Chloro-4'-bromodiphenyl (GROVES and TURNER), 511.
 $C_{12}H_8Br_2As_2$ 4:4'-Dibromoarsenobenzene (HAYTHORNTHWAITTE), 1014.
 $C_{12}H_8OI$ 4-Iododiphenyl ether (SCARBOROUGH), 2367.

- $C_{12}H_9O_2N_2$ Nitroaceto- β -naphthalide (BELL), 2785.
 $C_{12}H_{10}OSe$ Diphenyl selenoxide, parachor of (HENLEY and SUGDEN), 1064.
 $C_{12}H_{10}O_2N_2$ 3-*p*-Nitrobenzylpyridine, and its picrate (BRYANS and TURNER), 552.
 $C_{12}H_{10}O_2N_2$ 3-Nitro-4-aminodiphenyl ether (SCARBOROUGH), 2366.
 $C_{12}H_{10}N_2Br_2$ Dibromo-2:2'-diaminodiphenyls (LE FEVRE), 736.
 $C_{12}H_{10}ClAs$ Diphenylchloroarsine, parachor of (HENLEY and SUGDEN), 1063.
 $C_{12}H_{11}ON$ 4-Acetamidodiphenyl ether, and its hydrochloride (SCARBOROUGH), 2365.
 Ketotetrahydroquinindenes (BLOUNT, PERKIN, and PLANT), 1982.
 Phenylmethylpyridones (BARDEAN), 2228.
 $C_{12}H_{11}O_4N$ 5-Cyano-2:3-dimethoxycinnamic acid (CHAKRAVARTI and PERKIN), 195.
 $C_{12}H_{11}O_4N_2$ 8-Nitro-5-acetamido-6-methoxyquinoline (BALDWIN), 2961.
 $C_{12}H_{12}ON_2$ 3-Acetamidoquinaldine (ROBINSON), 2949.
 $C_{12}H_{12}O_2N_2$ 5-Acetamido-6-methoxyquinoline (BALDWIN), 2961.
 2-Ketomethoxy-2:3:4:5-tetrahydro- β -carbolines (BARRETT, PERKIN, and ROBINSON), 2944.
 $C_{12}H_{12}ON$ 5-Keto-2:3:4:5:6:13-hexahydro- α -quinindenes (BLOUNT, PERKIN, and PLANT), 1984.
 $C_{12}H_{13}O_2N$ *cyclo*Pentanone-2-carboxyanilide (BLOUNT, PERKIN, and PLANT), 1983.
N- β -Phenylethylsuccinimide (CHILD and PYMAN), 2014.
 $C_{12}H_{13}O_2N_3$ 8-Amino-5-acetamido-6-methoxyquinoline (BALDWIN), 2961.
 $C_{12}H_{13}O_3N$ β -Methoxyindole-3-propionic acids (BARRETT, PERKIN, and ROBINSON), 2944.
 $C_{12}H_{13}O_4N$ Methyl 5-nitro-2:3-dimethoxycinnamate (CHAKRAVARTI and PERKIN), 194.
 $C_{12}H_{14}O_2N_2$ Ethoxybenziminazole-2-propionic acid (CHATTERJEE), 2967.
 $C_{12}H_{14}O_4N_2$ α -Cyano-2-nitro-3:4-dimethoxystilbene (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1673.
 2:4-Dinitrophenyl*cyclo*hexane (MAYES and TURNER), 504.
 $C_{12}H_{14}O_5N_2$ 2-Nitro-4-ethoxysuccinanic acid (CHATTERJEE), 2967.
 $C_{12}H_{15}ON$ π -Hexenoic anilides (ECCOTT and LINSTAD), 2162.
 $C_{12}H_{15}O_2N$ *o*-Nitrophenyl*cyclo*hexane (MAYES and TURNER), 504.
 $C_{12}H_{15}O_2N_3$ Ethoxybenziminazole-2-propionamide (CHATTERJEE), 2968.
 $C_{12}H_{15}O_3N_2$ β -Methoxyindole-3-propionic hydrazides (BARRETT, PERKIN, and ROBINSON), 2944.
 $C_{12}H_{15}O_3N_3$ Carbethoxy-*m*-nitrobenzodimethylamidoxime (BRADY and PEAKIN), 2270.
 Carbomethoxy-*m*-nitrobenzomethylethylamidoxime (BRADY and PEAKIN), 2271.
 $C_{12}H_{15}O_5N$ *p*-Nitrobenzoyloxydimethoxypropane (FAIRBOURNE), 1152.
 $C_{12}H_{15}OS$ 4-Benzylpenthian-4-ol. (BENNETT and WADDINGTON), 2832.
 $C_{12}H_{15}O_2N_2$ α -Cyanomethyl*cyclo*hexane-1:1-diacetimidides (KANDIAH and LINSTAD), 2152.
 2-Nitro-4-aminophenyl*cyclo*hexane (MAYES and TURNER), 505.
 $C_{12}H_{16}O_2S$ 4-Benzylpenthian-4-ol oxides (BENNETT and WADDINGTON), 2835.
 $C_{12}H_{16}O_3N_2$ *N*-Benzoyl-*N*-carbethoxyethylenediamine (MOORE, BOYLE, and THORN), 50.
 $C_{12}H_{16}O_3S$ Sulphone from 4-benzylpenthian-4-ol (BENNETT and WADDINGTON), 2832.
 $C_{12}H_{16}N_2Cl_2$ γ -Aminopropylquinolinium chloride hydrochlorides (SESHADRI), 2954.

- $C_{12}H_{16}N_2Br_2$ γ -Aminopropylquinolinium bromide hydrobromides (SESHADEI), 2954.
- $C_{12}H_{17}O_2N$ β -4-Methoxy-2:5-dimethylphenylpropionamide (CLEMO, HAWORTH, and WALTON), 2378.
- $C_{12}H_{17}N_2Cl$ 4-Chloro-2:5-diaminophenylcyclohexane (MAYES and TURNER), 508.
- $C_{12}H_{18}O_2N_2$ *cyclo*Hexanespirocyclo-3-hydroxy-6-cyano-3-methyl-5-piperidone (QUDRAT-I-KHUDA), 716.
 α -Hydroxyphenylethyldimethylamines, methylurethanes of (E. and E. STEDMAN), 6.
- $C_{12}H_{19}O_5N_2$ *cyclo*Pentane-1-acetone-1-malonic acid semicarbazone (QUDRAT-I-KHUDA), 719.
- $C_{12}H_{20}O_3N_4$ Ethyl α -cyano- γ -acetyl- $\beta\beta$ -dimethylbutyrate semicarbazone (QUDRAT-I-KHUDA), 205.
- $C_{12}H_{21}O_3N_3$ *cyclo*Hexane-1-acetone-1-acetic acid semicarbazone (QUDRAT-I-KHUDA), 718.
 Methyl *cyclopentane*-1-acetone-1-acetate semicarbazone (QUDRAT-I-KHUDA), 720.
- $C_{12}H_{21}O_4Br$ Ethyl α -bromo- β -isopropylglutarate (GIBSON and SIMONSEN), 1078.
- $C_{12}H_{21}O_5N_3$ α -Carboxy- γ -acetyl- $\beta\beta$ -diethylbutyric acid semicarbazone (QUDRAT-I-KHUDA), 1918.
- $C_{12}H_{22}O_4N_2$ Ethyl 4-carbethoxypipercrazino- β -propionate (MOORE, BOYLE, and THORN), 49.
- $C_{12}H_{22}NCl$ Chlorodimethyl-lupinines (CLEMO and RAFFER), 1934.
- $C_{12}H_{22}NI$ ψ -Anhydromethyl-lupinine methiodide (CLEMO and RAFFER), 1936.
- $C_{12}H_{23}O_2N_3$ 1-Ethoxycyclohexylacetone semicarbazone (KON and LINSTAD), 1276.
- $C_{12}H_{24}Br_2Se_2$ Tetramethylene- $\alpha\delta$ -biscyclo-selenibutane 1:1-dibromide (MORGAN and BURSTALL), 1101.
- $C_{12}H_{25}ON_3$ 4:8-Dimethylnonaldehyde (HEILBRON and THOMPSON), 892.
- $C_{12}H_{27}OP$ Tri- n -butylphosphine oxide (DAVIES and JONES), 34.
- $C_{12}H_{28}BrP$ Tetra- n -propylphosphonium bromide (DAVIES, PEARSE, and JONES), 1264.

12 IV

- $C_{12}H_4O_7N_3Cl_3$ 2:4:4'-Trichloro-5:2':5'-trinitrodiphenyl ether (GROVES, TURNER, and SHARP), 521.
- $C_{12}H_4O_3NCl_4$ 4:5:2':4'-Tetrachloro-2-nitrodiphenyl ether (GROVES, TURNER, and SHARP), 523.
- $C_{12}H_4O_5N_2Cl_3$ Trichlorodinitrodiphenyl ethers (GROVES, TURNER, and SHARP), 520.
- $C_{12}H_5O_7N_3Cl_2$ 2:4-Dichloro-5:2':4'-trinitrodiphenyl ether (GROVES, TURNER, and SHARP), 518.
- $C_{12}H_5NBr_5As$ Pentabromo-5:10-dihydrophenarsazine (ELSON, GIBSON, and JOHNSON), 1087.
- $C_{12}H_5O_3NCl_3$ Trichloronitrodiphenyl ethers (GROVES, TURNER, and SHARP), 520.
- $C_{12}H_4O_5N_2Cl_2$ 2:4-Dichloro-2':4'-dinitrodiphenyl ether (GROVES, TURNER, and SHARP), 518.
- $C_{12}H_7ONCl_4$ 4:5:2':4'-Tetrachloro-2-aminodiphenyl ether (GROVES, TURNER, and SHARP), 524.
- $C_{12}H_7O_3NCl_2$ 4:5-Dichloro-2-nitrodiphenyl ether (GROVES, TURNER, and SHARP), 523.
- $C_{12}H_7O_3NBr_2$ Dibromonitrodiphenyl ethers (SCARBOROUGH), 2365.
- $C_{12}H_7O_2Br_2As_2$ 3:3'-Dibromo-4:4'-dihydroxyarsenobenzene (HAYTHORNTHWAITE), 1014.
- $C_{12}H_7O_3NCl$ 4'-Chloro-3-nitrodiphenyl ether (SCARBOROUGH), 2365.
- $C_{12}H_7O_3NBr$ 4'-Bromo-3-nitrodiphenyl ether (SCARBOROUGH), 2366.
- $C_{12}H_7O_3NI$ 4-Iodo-4'-nitrodiphenyl ether (SCARBOROUGH), 2364.
- $C_{12}H_7O_3N_2Br_2$ 2:4-Dibromo-3'-nitro-4'-aminodiphenyl ether (SCARBOROUGH), 2367.

- $C_{12}H_9O_8N_4S$ *m*-Nitrobenzenesulphon-*o*'*p*'-dinitroanilide (BELL), 2789.
 $C_{12}H_9ONCl_2$ 4:4'-Dichloro-2-aminodiphenyl ether (GROVES, TURNER, and SHARP), 519.
 $C_{12}H_9ON_2Cl_3$ 2:4:4'-Trichloro-5:2'-diaminodiphenyl ether (GROVES, TURNER, and SHARP), 521.
 $C_{12}H_9OCl_2I$ 4-Iododiphenyl ether dichloride (SCARBOROUGH), 2367.
 $C_{12}H_9O_3N_2Cl$ 4'-Chloro-3-nitro-4-aminodiphenyl ether (SCARBOROUGH), 2365.
 $C_{12}H_9O_3N_2Br$ 4'-Bromo-3-nitro-4-aminodiphenyl ether (SCARBOROUGH), 2366.
 $C_{12}H_9O_3N_2I$ 4'-Iodo-3-nitro-4-aminodiphenyl ether (SCARBOROUGH), 2366.
 $C_{12}H_9O_4N_2Cl$ Ethyl hydrogen 6-chloroquinoxaline-2:3-dicarboxylate (CHATTAWAY and HUMPHREY), 650.
 $C_{12}H_9O_4N_2Br$ Ethyl hydrogen 6-bromoquinoxaline-2:3-dicarboxylate (CHATTAWAY and HUMPHREY), 650.
 $C_{12}H_9O_4N_2Br_6$ Substance, formed in preparation of 3-bromo-2-nitrotoluene (ELSON, GIBSON, and JOHNSON), 2741.
 $C_{12}H_9O_3N_3S$ *m*-Nitrobenzenesulphonnitroanilides (BELL), 2788.
 $C_{12}H_9NCIAs$ 10-Chloro-5:10-dihydrophenarsazine (GIBSON and JOHNSON), 767, 1229, 1473, 2743; (ELSON, GIBSON, and JOHNSON), 1080.
 $C_{12}H_{10}ONI$ 4-Iodo-4'-aminodiphenyl ether (SCARBOROUGH), 2366.
 $C_{12}H_{10}O_2Cl_2Si$ Diphenoxydichlorosilicane (THOMPSON and KIPPING), 1177.
 $C_{12}H_{10}O_3N_3AS$ *N*-Phenylbenztriazole-5-arsinic acid (BARBER), 474.
 $C_{12}H_{10}O_4N_3AS$ 4'-Hydroxy-1-phenyl-1:2:3-benztriazole-5-arsinic acid (BARBER), 474.
 $C_{12}H_{10}N_2Br_2As_2$ Dibromodiaminoarsenobenzenes (HAYTHORNTHWAITTE), 1014.
 $C_{12}H_{11}O_5N_2AS$ 2-Nitrodiphenylaminic-4-arsinic acid (BARBER), 473.
 $C_{12}H_{11}O_6N_2AS$ 2-Nitro-4'-hydroxydiphenylamine-4-arsinic acid (BARBER), 474.
 $C_{12}H_{12}O_4N_2AS$ 2-Amino-4'-hydroxydiphenylamine-4-arsinic acid (BARBER), 474.
 $C_{12}H_{12}O_8N_2S_2$ 4:4'-Diaminodiphenylene dihydrogen 3:3'-disulphate (BURKHARDT and WOOD), 150.
 $C_{12}H_{13}O_3N_2AS$ 2-Aminodiphenylamine-4-arsinic acid, and its hydrochloride (BARBER), 473.
 $C_{12}H_{13}O_4NS$ 2-Phenyliminomethylcyclopentanone-4'-sulphonic acid (BLOUNT, PERKIN, and PLANT), 1986.
 $C_{12}H_{13}O_4N_2Cl$ 4-Chloro-2:5-dinitrophenylcyclohexane (MAYES and TURNER), 505.
 $C_{12}H_{14}ON_2S$ 1-Acetylimino-2:3:5-trimethyl-1:2-dihydrobenzthiazole (HUNTER and PRIDE), 945.
 $C_{12}H_{14}O_2NCl$ 4-Chloro-2-nitrophenylcyclohexane (MAYES and TURNER), 505.
 $C_{12}H_{14}O_3N_2AS$ 2:4'-Diaminodiphenylaminic-4-arsinic acid (BARBER), 475.
 $C_{12}H_{14}O_4N_4Cu$ Dianilinocupric nitrite (KING), 2597.
 $C_{12}H_{15}ON_2Cl$ γ -Aminopropylquinolone hydrochlorides (SESHADRI), 2954.
 $C_{12}H_{15}O_2N_2Cl$ 1- β -Aminoethyl-6-methoxy-2-quinolone hydrochloride (SESHADRI), 2956.
 1- γ -Aminopropyl-6-hydroxy-2-quinolone hydrochloride (SESHADRI), 2958.
 $C_{12}H_{16}ONCl$ γ -Chloro β isohexoic anilide (LINSTED), 2509.
 $C_{12}H_{16}ON_2Cl$ β -Aminoethyl-6-methoxyquinolinium chloride hydrochloride (SESHADRI), 2955.
 γ -Aminopropyl-6-hydroxyquinolinium chloride hydrochloride (SESHADRI), 2957.
 $C_{12}H_{16}O_2NBr$ β -3-Bromo-4-methoxy-2:5-dimethylphenylpropionamide (CLEMO, HAWORTH, and WALTON), 2378.
 $C_{12}H_{16}O_4N_2S$ 1-*o*-Nitro-*p*-toluenesulphonylpiperidine (GROVES, TURNER, and SHARP), 517.
 $C_{12}H_{17}ON_2Cl_2$ 8- β -Aminoethylamino-6-methoxyquinoline dihydrochloride (BALDWIN), 2962.

- $C_{12}H_{17}OIS$ 4-Phenyl-1-methylpentthian-4-olsulphonium α -iodide (BENNETT and WADDINGTON), 2837.
- $C_{12}H_{17}O_2NS$ 1-*p*-Toluenesulphonylpiperidine (GROVES, TURNER, and SHARP), 517.
- $C_{12}H_{16}O_4N_2S$ *N*-Toluenesulphonyl-*N'*-carboxyethylenediamine (MOORE, BOYLE, and THORN), 50.
- $C_{12}H_{16}O_2NAS$ *dl-N-o*-Tolylalanine-5-arsinic acid ethyl ester (GIBSON and LEVIN), 2760.
- $C_{12}H_{20}ONI$ α -Methoxyphenylethyldimethylamine methiodides (E. and E. STEDMAN), 612.
- $C_{12}H_{22}NClI$ Chloromethyl-Lupinine methiodides (CLEMO and RAPER), 1934.
- $C_{12}H_{26}O_8P_2Ba$ Barium di-*n*-propyl phosphate (PLIMMER and BURCH), 295.

12 V

- $C_{12}H_9O_2NBr_4As$ Tetrabromophenarsazinic acid (ELSON, GIBSON, and JOHNSON), 1088.
- $C_{12}H_8O_2ClBrS$ 4-Chloro-4'-bromodiphenylsulphone (GROVES and TURNER), 510.
- $C_{12}H_8O_2NCl_2I$ 4-Iodo-4'-nitrodiphenyl ether iodochloride (SCARBOROUGH), 2364.
- $C_{12}H_9O_4N_2S_2K_2$ Potassium azobenzene 2:2'-disulphate (BURKHARDT and WOOD), 150.
- $C_{12}H_9O_2N_2SK$ Potassium dihydroxybenzeneazophenyl sulphate (BURKHARDT and WOOD), 147.
- $C_{12}H_{10}O_2N_2Br_2As_2$ 5:5'-Dibromo-3:3'-diamino-4:4'-dihydroxyarsenobenzene (HAYTHORNTHWAITER), 1014.
- $C_{12}H_{10}O_4N_2S_2As$ Di(carboxymethyl) 5-acetamido-2-hydroxyphenylthioarsinite (BARBER), 1023.
- $C_{12}H_{10}O_8N_2S_2K_2$ Potassium 4:4'-diaminodiphenylene 3:3'-disulphate (BURKHARDT and WOOD), 151.
- $C_{12}H_{13}O_5N_2S_2As$ Di(carboxymethyl) 4-carbamylmethylaminophenylthioarsinite (BARBER), 1023.
- $C_{12}H_{18}O_5N_2S_2As$ Di(β -carboxy- β -aminomethyl) 3-amino-4-hydroxyphenylthioarsenite (BARBER), 1023.

12 VI

- $C_{12}H_9O_2N_2ClBrS$ 4-Chloro-4'-bromo-3:3'-dinitrodiphenylsulphone (GROVES and TURNER), 511.

 C_{13} Group.

- $C_{13}H_{10}$ Fluorene, condensation of acetone with (MAITLAND and TUCKER), 2559.
- $C_{13}H_{22}$ 3-*n*-Propyl- $\Delta^{1:3}$ menthadiene (READ and WATERS), 2170.

13 II

- $C_{13}H_8O_3$ 2':4'-Dihydroxydiphenyl-2-carboxylic lactone (HURTLEY), 1872.
- $C_{13}H_{14}O_4$ 4-Acetoxy-2:5-dimethylcinnamic acid (CLEMO, HAWORTH, and PERKIN), 2377.
- β -4-Methoxy-2:5-dimethylbenzoylacrylic acid (CLEMO, HAWORTH, and WALTON), 2382.
- $C_{13}H_{18}O_2$ *p-cyclo*Hexylbenzoic acid, and its sodium salt (MAYES and TURNER), 507.
- 2-Hydroxystyryl *isobutyl* ketone (HEILBRON and IRVING), 941.
- 1-Keto-7-methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthalene (CLEMO, HAWORTH, and WALTON), 2381.
- $C_{13}H_{18}O_4$ β -4-Methoxy-2:5-dimethylbenzoylpropionic acid (CLEMO, HAWORTH, and WALTON), 2381.
- $C_{13}H_{18}O_3$ 2-Carboxy-*trans*-decahydronaphthalene-2-acetic anhydrides (RAO), 1966.
- γ -4-Methoxy-2:5-dimethylphenylbutyric acid (CLEMO, HAWORTH, and WALTON), 2381.

- $C_{13}H_{16}O_4$ Ethyl β -3:4-dimethoxyphenylpropionate (CHILD and PYMAN), 2014.
 $C_{13}H_{16}O_7$ β -*p*-Anisylgalactoside (ROBERTSON), 1822.
 $C_{13}H_{16}O_9$ 2:3-Diacetyl- α - and - β -ethylglucofuranoside 5:6-carbonates (HAWORTH and PORTER), 2803.
 $C_{13}H_{18}N$ α -*trans*-Decahydronaphthylidene-2-propionitrile (RAO), 1965.
 $C_{13}H_{20}O_4$ 2-Carboxy-*trans*-decahydronaphthalene-2-acetic acids (RAO), 1965.
 $C_{13}H_{21}P$ *p*-Tolyldi-*n*-propylphosphine (DAVIES, PEARSE, and JONES), 1264.

13 III

- $C_{13}H_9OCl_2$ 3:5-Dichlorobenzophenone (WATERS), 2108.
 $C_{13}H_9OBr_2$ 3:5-Dibromobenzophenone (WATERS), 2109.
 $C_{13}H_9OI_2$ 3:5-Di-iodobenzophenone (WATERS), 2111.
 $C_{13}H_9O_2N_2$ 3:5-Dinitrobenzophenone (WATERS), 2110.
 $C_{13}H_9O_2N_2$ Diphenyl-4-carboxylic acid (GULL and TURNER), 498.
 $C_{13}H_9O_2N_2$ α -Dinitrostyrylpyridine (BENNETT and PRATT), 1467.
 $C_{13}H_9O_2N_2$ Dinitrobenzylidene-*p*-aminophenol (BENNETT and PRATT), 1466.
 $C_{13}H_9NS_2$ 2-Thio-1-phenyl-1:2-dihydrobenziso-thiazole (McCLELLAND, WARREN, and JACKSON), 1585.
 $C_{13}H_9BrMg$ Magnesium 9-fluorenyl bromide, action of, on acetone and diacetone alcohol (MAITLAND and TUCKER), 2559.
 $C_{13}H_{10}O_2N_2$ 3-Nitro-5-aminobenzophenone (WATERS), 2110.
 $C_{13}H_{10}N_2S$ *N,N'*-1-Thiocarbonyl-2:2'-diaminodiphenyl (LE FÈVRE), 736.
 $C_{13}H_{11}O_2N_3$ *p*-Hydroxybenzaldehyde *p*-nitrophenylhydrazone (HODGSON and COOPER), 234.
 Nitroso-4-nitrophenylbenzylamine (REILLY, DRUMM, and CREEDON), 643.
 $C_{13}H_{13}ON$ 9-Keto-5:6:7:8:9:10-hexahydrophenanthridine (BLOUNT, FERRIN, and PLANT), 1986.
 $C_{13}H_{13}O_2N$ β -2-Carboxy-6-methoxyindole-3-propionic acid (BARRETT, PERKIN, and ROBINSON), 2945.
 $C_{13}H_{14}O_2Br_2$ 2:6-Dibromo-1-keto-7-methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthalene (CLEMO, HAWORTH, and WALTON), 2381.
 $C_{13}H_{15}ON$ β -Methylsorbanilide (BURTON and INGOLD), 2029.
 $C_{13}H_{15}O_2N$ *cyclo*Hexanone-2-carboxyanilide (BLOUNT, PERKIN, and PLANT), 1986.
 $C_{13}H_{15}O_2N$ Methyl β -methoxyindole-3-propionates (BARRETT, PERKIN, and ROBINSON), 2944.
 2-Oximino-1-keto-7-methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthalene (CLEMO, HAWORTH, and WALTON), 2382.
 $C_{13}H_{15}O_4Br$ α -Bromo- β -4-methoxy-2:5-dimethylbenzoylpropionic acid (CLEMO, HAWORTH, and WALTON), 2382.
 $C_{13}H_{15}O_5N$ Glucofuranose 5:6-carbonate anilide (HAWORTH and PORTER), 2806.
 $C_{13}H_{16}O_2N_2$ Methyl ethoxybenzimidazole-2-propionate (CHATTERJEE), 2968.
 $C_{13}H_{17}ON$ *n*-Hexenoic *p*-toluidides (ECCOTT and LINSTED), 2162.
 $C_{13}H_{17}O_2N$ Tetra-acetyl *l*-xyloxonitrile (DEULOFEU), 2459.
 $C_{13}H_{18}O_2N$ Acetyl- β -4-methoxy-2:5-dimethylphenylethylamine (CLEMO, HAWORTH, and WALTON), 2379.
 2-Carboxy-*trans*-decahydronaphthalene-2-acetimidides (RAO), 1966.
 $C_{13}H_{18}O_2N$ Methyl β -4-methoxy-2:5-dimethylphenylethylcarbamate (CLEMO, HAWORTH, and WALTON), 2379.
 $C_{13}H_{19}O_4N$ 2:3-Dimethyl xylose anilide (HAMPTON, HAWORTH, and HIRST), 1748.
 $C_{13}H_{19}N_2Cl_2$ 8- γ -Aminopropylamino-6-methylquinoline dihydrochloride (BALDWIN), 2964.
 $C_{13}H_{21}O_3N$ 2-Carboxy-*trans*-decahydronaphthalene-2-acetamic acid (RAO), 1967.

- $C_{13}H_{21}O_3N_3$ *cyclo*Hexane-1-acetone-1-malonic acid semicarbazone (QUDRAT-I-KHUDA), 717.
- $C_{13}H_{22}IP$ Phenylmethyl-di-*n*-propylphosphonium iodide (DAVIES, PEARSE, and JONES), 1264.
- $C_{13}H_{23}O_3N_3$ Methyl *cyclo*hexane-1-acetone-1-acetate semicarbazone (QUDRAT-I-KHUDA), 718.
- $C_{13}H_{24}O_4N_2$ Ethyl 4-carbethoxypiperazino- γ -butyrate (MOORE, BOYLE, and THORN), 49.
- $C_{13}H_{25}O_3N_3$ Ethyl γ -acetyl- $\beta\beta$ -diethylbutyrate semicarbazone (QUDRAT-I-KHUDA), 1919.
- $C_{13}H_{27}ON$ Trichyl- α -hydroxyallylamine, salts of (INGOLD and ROTHSTEIN), 13.
- $C_{13}H_{30}IP$ Methyltri-*n*-butylphosphonium iodide (DAVIES and JONES), 34.
- $C_{13}H_{31}OP$ Tri-*n*-propyl-*n*-butylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2351.

13 IV

- $C_{13}H_9O_4N_2Cl_2$ 2:4-Dichloronitrophenyl *m*-nitrobenzoates (GROVES, TURNER, and SHARP), 521.
- $C_{13}H_9O_4N_3Br_2$ Dinitrobenzylidene-3:5-dibromoaniline (BENNETT and PRATT), 1466.
- $C_{13}H_9OCIBr$ 4-Chloro-4'-bromobenzophenone (GROVES and TURNER), 509.
- $C_{13}H_9O_2NCl$ 3-Chlorobenzoquinone-4-oxime benzoate (HODGSON and KERSHAW), 1556.
- $C_{13}H_9O_3NI$ 5-Iodo-3-nitrobenzophenone (WATERS), 2110.
- $C_{13}H_9O_3N_2Cl$ Dinitrobenzylidene-*m*-chloroaniline (BENNETT and PRATT), 1466.
- $C_{13}H_9O_4N_3I$ Dinitrobenzylidene-*p*-iodoaniline (BENNETT and PRATT), 1466.
- $C_{13}H_9O_4N_4S$ 5:4'-Dinitro-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 464.
- $C_{13}H_9O_7N_5F$ Fluorodinitrohydroxybenzaldehyde *p*-nitrophenylhydrazones (HODGSON and NIXON), 1636.
- $C_{13}H_9N_2Cl_2S$ 5:4'-Dichloro-1-anilinobenzthiazole, and its hydrobromide (DYSON, HUNTER, and SOYKA), 463.
- $C_{13}H_9N_2Br_2S$ 5:4'-Dibromo-1-anilinobenzthiazole and its hydrobromide (DYSON, HUNTER, and SOYKA), 460.
- $C_{13}H_9N_2Br_6S$ 5:4'-Dibromo-1-anilinobenzthiazole hexabromide (DYSON, HUNTER, and SOYKA), 462.
- $C_{13}H_9N_2I_2S$ 5:4'-Di-iodo-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 464.
- $C_{13}H_9N_2F_2S$ 5:4'-Difluoro-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 464.
- $C_{13}H_9ONCl_2$ 3:5-Dichlorobenzanilide (WATERS), 2108.
3:5-Dichlorobenzophenone oximes (WATERS), 2108.
- $C_{13}H_9ONI_2$ 3:5-Di-iodo-4-aminobenzophenone (WATERS), 2110.
- $C_{13}H_9O_3N_4F$ Fluorodinitrohydroxybenzaldehyde phenylhydrazones (HODGSON and NIXON), 1636.
Fluorodinitrohydroxybenzaldehyde *p*-nitrophenylhydrazones (HODGSON and NIXON), 1636.
- $C_{13}H_9N_2ClS$ 4'-Chloro-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 463.
- $C_{13}H_9N_2BrS$ 4'-Bromo-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 462.
- $C_{13}H_9N_2Br_7S$ *s*-Di-*p*-bromophenylthiocarbamide (DYSON, HUNTER, and SOYKA), 460.
- $C_{13}H_{10}ONBr$ 3-Bromo-4-aminobenzophenone (WATERS), 2109.
- $C_{13}H_{10}ONI$ 3-Iodo-4-aminobenzophenone (WATERS), 2109.
- $C_{13}H_{10}ON_2As$ *pp'*-Arseno(diphenylcarbamide) (EVERETT), 676.

- $C_{13}H_{10}O_3N_2F$ Fluorohydroxybenzaldehyde *p*-nitrophenylhydrazones (HODGSON and NIXON), 1635.
 Fluoronitrohydroxybenzaldehyde phenylhydrazones (HODGSON and NIXON), 1636.
- $C_{13}H_{10}O_3Cl_2S$ 2:4-Dichlorophenyl *p*-toluenesulphonate (GROVES, TURNER, and SHARP), 516.
- $C_{13}H_{10}N_2Br_6S$ 1-Anilinobenzthiazole hexabromide (DYSON, HUNTER, and SOYKA), 462.
- $C_{13}H_{10}N_2SAs_2$ *pp'*-Arseno(diphenylcarbamide) (EVERETT), 675.
- $C_{13}H_{10}N_2S_4As_2$ Diphenylthiocarbamide-*pp'*-arsenic sesquisulphide (EVERETT), 675.
- $C_{13}H_{11}O_3N_2As$ 1-Phenylbenzimidazole-5-arsinic acid (PHILLIPS), 2823.
- $C_{13}H_{11}O_4N_2As$ Nitroethylphenarsazinic acids (GIBSON and JOHNSON), 1247.
- $C_{13}H_{11}O_6N_2S$ *p*-Toluenesulphon-*op'*-dinitroanilide (BELL), 2789.
- $C_{13}H_{11}O_6N_2As$ 2'-Carboxy-2-nitrodiphenylamine-4-arsinic acid (BARBER), 475.
- $C_{13}H_{11}NClAs$ 10-Chloro-3-methyl-5:10-dihydrophenarsazine (GIBSON and JOHNSON), 779.
 10-Chloro-4-methyl-5:10-dihydrophenarsazine (GIBSON and JOHNSON), 2748.
- $C_{13}H_{11}NBrAs$ 10-Bromo-3-methyl-5:10-dihydrophenarsazine (GIBSON and JOHNSON), 781.
- $C_{13}H_{12}O_2NAS$ Methylphenarsazinic acids, and their hydrochlorides (GIBSON and JOHNSON), 780.
- $C_{13}H_{12}NIS$ Methylnaphthathiazole methiodides (HAMER), 2601.
- $C_{13}H_{12}N_2ClAs$ 10-Chloro-4-amino-7-methyl-5:10-dihydrophenarsazine, and its hydrochloride (GIBSON and JOHNSON), 1248.
- $C_{13}H_{13}O_2N_2As$ Aminomethylphenarsazinic acids (GIBSON and JOHNSON), 1248.
- $C_{13}H_{13}O_5N_2As$ Nitromethyldiphenylamine-6'-arsinic acids (GIBSON and JOHNSON), 1248; (ELSON, GIBSON, and JOHNSON), 2742.
- $C_{13}H_{14}O_2NBr$ 2-Bromo-*n*-amylphthalimide (BALDWIN), 2963.
- $C_{13}H_{14}O_2NAS$ 3-Methyldiphenylaminearsinic acids (GIBSON and JOHNSON), 779.
- $C_{13}H_{17}O_2N_2Cl$ 1- γ -Aminopropyl-6-methoxy-2-quinolone hydrochloride (SESHADRI), 2957.
- $C_{13}H_{18}ON_2Cl_2$ γ -Aminopropyl-6-methoxyquinolinium chloride hydrochloride (SESHADRI), 2957.
- $C_{13}H_{19}ONS$ Methyl ϵ -hydroxyamyl sulphide phenylurethane (BENNETT and HEATHCOAT), 274.
- $C_{13}H_{19}ON_3Cl_2$ 8- γ -Aminopropylamino-6-methoxyquinoline dihydrochloride (BALDWIN), 2962.
- $C_{13}H_{19}O_2NS$ Ethyl δ -hydroxybutyl sulphide phenylurethane (BENNETT and HEATHCOAT), 273.
- $C_{13}H_{19}O_4N_3S$ 5-Dimethylamino-1:2-dimethylbenzimidazole methosulphate (PHILLIPS), 2825.
- $C_{13}H_{19}O_5N_2Br$ 3:5-Dimethylxlyonic acid *p*-bromophenylhydrazide (HAMPTON, HAWORTH, and HIRST), 1749.
- $C_{13}H_{21}O_2N_2I$ α -Hydroxyphenylethyldimethylamines, methylurethane methiodides of (E. and E. STEDMAN), 616.

13 V

- $C_{13}H_9O_3N_4BrF$ Fluorobromonitrohydroxybenzaldehyde *p*-nitrophenylhydrazones (HODGSON and NIXON), 1637.
- $C_{13}H_9O_7N_2Cl_2S$ 2:4-Dichloro-5-nitrophenyl *o*-nitro-*p*-toluenesulphonate (GROVES, TURNER, and SHARP), 516.
- $C_{13}H_9ONBrI$ 3-Bromo-5-iodo-4-aminobenzophenone (WATERS), 2111.
- $C_{13}H_9O_3N_3BrF$ Fluorobromohydroxybenzaldehydes *p*-nitrophenylhydrazones (HODGSON and NIXON), 1637.
 Fluorobromonitrohydroxybenzaldehyde phenylhydrazones (HODGSON and NIXON), 1637.

- $C_{13}H_9O_2NCl_2S$ 2:4-Dichloro-3-nitrophenyl *p*-toluenesulphonate (GROVES, TURNER, and SHARP), 522.
- $C_{13}H_{10}ON_2BrF$ Fluorobromohydroxybenzaldehyde phenylhydrazones (HODGSON and NIXON), 1637.
- $C_{13}H_{10}O_2N_2ClAs$ 10-Chloronitromethyl-5:10-dihydrophenarsazines (GIBSON and JOHNSON), 1247; (ELSON, GIBSON, and JOHNSON), 2742.
- $C_{13}H_{11}O_2N_2Cl_2As$ Nitromethyldiphenylamine-6'-dichloroarsines (GIBSON and JOHNSON), 1247; (ELSON, GIBSON, and JOHNSON), 2742.
- $C_{13}H_{10}O_2N_2BrAs$ 10-Bromonitromethyl-5:10-dihydrophenarsazines (GIBSON and JOHNSON), 1249.
- $C_{13}H_{11}O_2N_2Br_2As$ Nitromethyldiphenylamine-6'-dibromoarsines (GIBSON and JOHNSON), 1255.
- $C_{13}H_{11}O_3NCl_2S$ 2:4-Dichloro-3-aminophenyl *p*-toluenesulphonate (GROVES, TURNER, and SHARP), 522.
- $C_{13}H_{12}O_3N_2Cl_2S$ 2:4-Dichloro-5-aminophenyl *o*-amino-*p*-toluenesulphonate (GROVES, TURNER, and SHARP), 516.
- $C_{13}H_{14}O_3N_2SAs_2$ Diphenylthiocarbamide-*pp'*-diarsinic acid (EVERETT), 676.

C_{14} Group.

- $C_{14}H_{10}O_3$ 2'-Hydroxy-4'-methoxydiphenyl-2-carboxylic lactone (HURTLEY), 1873.
- $C_{14}H_{10}O_4$ Benzoylhydroperoxide, oxidation of α -terpinene with (ELSON, GIBSON, and SIMONSEN), 2732.
- 7-Hydroxy-1-methoxyxanthone (ROBERTSON and WATERS), 2243.
- $C_{14}H_{10}N_2$ 1-Phenylphthalazine (AGGARWAL, DARBARI, and RAY), 1945.
- $C_{14}H_{12}O_3$ 2:5-Dihydroxyphenyl benzyl ketone (BAKER and EASTWOOD), 2905.
- $C_{14}H_{14}O_2$ 2-Hydroxy-4-methoxydiphenylmethane (SHORT and STEWART), 559.
- $C_{14}H_{14}N_6$ 3-Ethyl-1:2:4-triazole-5-azo- β -naphthylamine (REILLY and MADDEN), 816.
- $C_{14}H_{13}N$ *o*-Tolyltolylamines (GIBSON and JOHNSON), 2748.
- $C_{14}H_{16}O_2$ γ -Benzylidene- α -isopropylacetoacetic acid (HEILBRON and IRVING), 941.
- $C_{14}H_{16}O_6$ Ethyl *o*-carboxyphenylmalonate (HURTLEY), 1872.
- $C_{14}H_{14}O_7$ 3:6-Dicarbethoxy- Δ^3 -tetrahydrophthalic anhydride (FARMER and WARREN), 904.
- $C_{14}H_{15}O_3$ Norsantonous acid (CLEMO, HAWORTH, and WALTON), 2384.
- $C_{14}H_{16}O_5$ β -4-Methoxy-2:5-dimethylphenylethylmalonic acid (CLEMO, HAWORTH, and WALTON), 2380.
- $C_{14}H_{20}O_2$ Decahydronaphthalene-2:2-diacetic anhydrides (RAO), 1962, 1968.
- $C_{14}H_{22}P$ Phenyl-di-*n*-butylphosphine (DAVIES and JONES), 34.
- Phenyl-diisobutylphosphine (DAVIES, PEARSE, and JONES), 1265.
- $C_{14}H_{22}O_4$ Decahydronaphthalene-2:2-diacetic acids (RAO), 1962, 1968.

14 III

- $C_{14}H_8O_2Br_2$ 1:3-Dibromo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 185.
- $C_{14}H_7O_2Br$ 1-Bromo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 186.
- $C_{14}H_7O_2I$ 3-Iodo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 188.
- $C_{14}H_8O_2N_2$ Dinitrophenanthrene (CALLOW and GULLAND), 2425.
- $C_{14}H_8O_2N$ 3-Amino-2-hydroxyanthraquinone (HARDACRE and PERKIN), 189.
- $C_{14}H_8O_2N_3$ Nitro-1-phenylphthalazine (AGGARWAL, DARBARI, and RAY), 1945; (RAY), 2661.
- $C_{14}H_8O_2Cl$ Chlorohydroxyanthranol (HARDACRE and PERKIN), 188.
- $C_{14}H_8O_2I$ 2-Iodo-3-hydroxyanthranol (HARDACRE and PERKIN), 190.
- $C_{14}H_8O_2F$ 2-Fluoro-4-hydroxybenzaldehyde benzoate (HODGSON and NIXON), 1635.
- $C_{14}H_8NS$ Thionaphthindole (MCCLELLAND), 1588.

- $C_{14}H_{10}O_2S$ 2-Methoxythioxanthone, and its perchlorate (ROBERTS and SMILES), 869.
- $C_{14}H_{10}O_3S$ Hydroxymethoxythioxanthenes (ROBERTS and SMILES), 1325.
- $C_{14}H_{10}O_4As_2$ Arsenopyrocatechol methylene ether (BALABAN), 1090.
- $C_{14}H_{10}O_5S$ 1-Hydroxy-4-methoxythioxanthone dioxide (ROBERTS and SMILES), 1325.
- $C_{14}H_{11}OCl$ Desyl chloride, displacement of chlorine from (WARD), 1541.
- $C_{14}H_{11}O_3N_3$ Benzaldehyde *p*-nitrobenzoylhydrazone (DANN and DAVIES), 1054.
m-Nitrobenzaldehyde benzoylhydrazone (AGGARWAL, DARBARI, and RĀY), 1945.
- $C_{14}H_{11}O_5N_3$ 1:6-Dinitroaceto- β -naphthalide (BELL), 2785.
- $C_{14}H_{11}NS_2$ 2-Thio-1-benzyl-1:2-dihydrobenzothiazole (McCLELLAND, WARREN, and JACKSON), 1585.
- $C_{14}H_{12}ON_2$ Cyanophenylethylpyridones (BARDHAN), 2229.
- $C_{14}H_{12}O_3S$ 2'-Carboxy-4-methoxydiphenyl sulphide (ROBERTS and SMILES), 867.
- $C_{14}H_{12}O_4N_2$ 3-Nitro-4-acetamidodiphenyl ether (SCARBOROUGH), 2366.
- $C_{14}H_{12}ON_5$ 3-Ethyl-1:2:4-triazole-5-azo- β -naphthol (REILLY and MADDEN), 816.
- $C_{14}H_{14}ON_2$ *s*-Benzoylbenzylhydrazine (AGGARWAL, DARBARI, and RĀY), 1945.
- $C_{14}H_{14}O_2Te$ Di-4-hydroxydi-2-methyldiphenyl telluride (MORGAN and BURGESS), 2219.
- $C_{14}H_{14}O_3N_2$ *p*-Azoxyanisole, preparation of (DAVIES and DOWN), 586.
- $C_{14}H_{14}O_4N_2$ Ethyl quinoxaline-2:3-dicarboxylate (CHATTAWAY and HUMPHREY), 647.
p-Nitrobenzoyl derivative of 2-aminomethylcyclopentane-1-carboxyl-lactam (MENON and SIMONSEN), 305.
- $C_{14}H_{14}Cl_2Si$ Di-*p*-tolylsilicon dichloride, preparation of (STEELE and KIPPING), 2546.
- $C_{14}H_{14}TeI$ 1-Phenyl-*p*-tolylmethyltelluronium iodide, resolution of (LOWRY and GILBERT), 2867.
- $C_{14}H_{14}ON$ Diphenylhydroxyethylamines, optically active, and their salts (READ, CAMPBELL, and BARKER), 2305.
- $C_{14}H_{14}ON_3$ 4-Amino-2-acetamidodiphenylamine (PHILLIPS), 2822.
- $C_{14}H_{14}O_2N$ $\beta\beta$ -Di-(4-hydroxyphenyl)ethylamine (HARINGTON and MCCARTNEY), 895.
Ethyl dihydropentindole-8-carboxylate (PLANT), 2497.
- $C_{14}H_{14}O_5N_3$ Ethyl 10-nitro-9-hydroxytetrahydropentindole-8-carboxylate (PLANT), 2497.
- $C_{14}H_{17}O_4N$ *N*- β -Veratrylethylsuccinimide (CHILD and PYMAN), 2015.
- $C_{14}H_{17}O_5N$ γ -O-Carboethoxyaminobenzoylbutyric acid (PLANT), 2498.
- $C_{14}H_{18}ON_2$ 8-*n*-Butylamino-6-methoxyquinoline (BALDWIN), 2961.
- $C_{14}H_{18}O_2N_4$ Dimethylquinoxaline derivative of dimethylglyoxime (HENDERSON), 467.
- $C_{14}H_{18}O_3N_2$ Ethyl 4-benzoylpiperazine-1-carboxylate (MOORE, BOYLE, and THORN), 45.
- $C_{14}H_{18}ON$ *p*-Acetylamino-phenylcyclohexane (MAYES and TURNER), 504.
- $C_{14}H_{21}O_2N$ Decahydronaphthalene-2:2-diacetimidides (RAO), 1962, 1968.
- $C_{14}H_{24}IP$ *p*-Tolylmethyl-di-*n*-propylphosphonium iodide (DAVIES, PEARSE, and JONES), 1264.
- $C_{14}H_{22}O_5N_2$ Trimethyl- γ -lyxonolactone phenylhydrazide (HAWORTH and LONG), 349.
2:3:4-Trimethyl- δ -xylonic acid, phenylhydrazide of (HAWORTH and LONG), 349.
- $C_{14}H_{24}OP$ β -Phenylethyltriethylphosphonium hydroxide, and its picrate (FENTON and INGOLD), 2353.
- $C_{14}H_{24}IP$ Ethyltri-*n*-butylphosphonium iodide (DAVIES and JONES), 34.

14 IV

- $C_{14}H_6O_4N_2Cl_2$ *N*:2:4-Dichloro-5-nitrophenylphthalimide (GROVES, TURNER, and SHARP), 518.
- $C_{14}H_6O_2NCl_2$ *N*:2:4-Dichlorophenylphthalimide (GROVES, TURNER, and SHARP), 518.
- $C_{14}H_8N_2S_2As_2$ *pp'*-Dithiocarbiminoarsenobenzene (EVERETT), 675.
- $C_{14}H_8N_2S_3As_2$ *pp'*-Dithiocarbiminoarsenobenzene sesquisulphide (EVERETT), 674.
- $C_{14}H_9O_2ClS$ 1-Chloro-4-methoxythioxanthone (ROBERTS and SMILES), 869.
- $C_{14}H_{10}O_2N_4As_2$ 5:5'-Arseno-(2:3-dihydrobenziminazolone) (EVERETT), 676.
- $C_{14}H_{10}O_4N_2Br_2$ 2:4-Dibromo-3'-nitro-4'-acetamidodiphenyl ether (SCARBOROUGH), 2367.
- $C_{14}H_{10}N_4S_2As_2$ 5:5'-Arseno-(2-thiolbenziminazole) (EVERETT), 676.
- $C_{14}H_{11}O_2NBr_2$ 2:4-Dibromo-4'-acetamidodiphenyl ether (SCARBOROUGH), 2367.
- $C_{14}H_{11}O_2NI_4$ $\beta\beta$ -Di-(3:5-di-iodo-4-hydroxyphenyl)ethylamine (HARINGTON and MCCARTNEY), 895.
- $C_{14}H_{11}O_4N_2Cl$ 4'-Chloro-3-nitro-4'-acetamidodiphenyl ether (SCARBOROUGH), 2365.
- $C_{14}H_{11}O_4N_2Br$ 4'-Bromo-3-nitro-4'-acetamidodiphenyl ether (SCARBOROUGH), 2365.
- $C_{14}H_{11}O_4N_2I$ 4'-Iodo-3-nitro-4'-acetamidodiphenyl ether (SCARBOROUGH), 2366.
- $C_{14}H_{12}O_2NCl$ 4-Chloro-4'-acetamidodiphenyl ether (SCARBOROUGH), 2365.
- $C_{14}H_{12}O_2NBr$ 4-Bromo-4'-acetamidodiphenyl ether (SCARBOROUGH), 2365.
- $C_{14}H_{12}O_2NI$ 4-Iodo-4'-acetamidodiphenyl ether (SCARBOROUGH), 2366.
- $C_{14}H_{12}O_3N_2Cl_2$ 3:3'-Dichloro-*p*-azoxyanisole (DAVIES and DOWN), 587.
- $C_{14}H_{12}O_3N_3F$ Fluoromethoxybenzaldehyde *p*-nitrophenylhydrazones (HODGSON and NIXON), 1638.
- $C_{14}H_{12}O_4N_2As_2$ 6:6'-Diaminoarsenopyrocatechol methylene ether (BALABAN), 1091.
- $C_{14}H_{13}ON_2F$ 2-Fluoro-4-methoxybenzaldehyde phenylhydrazone (HODGSON and NIXON), 1639.
- $C_{14}H_{13}O_3N_2As$ *N*-Phenyl-2-methylbenziminazole-5(6)-arsinic acid (BARBER), 474.
- $C_{14}H_{13}O_4N_2Cl$ Ethyl 6-chloroquinoxaline-2:3-dicarboxylate (CHATTAWAY and HUMPHREY), 650.
- $C_{14}H_{13}O_4N_2Br$ Ethyl 6-bromoquinoxaline-2:3-dicarboxylate (CHATTAWAY and HUMPHREY), 650.
- $C_{14}H_{13}O_6N_2P$ Di-*p*-nitrodibenzylphosphinic acid (CHALLENGER and PETERS), 2616.
- $C_{14}H_{13}O_6N_2As$ Di-*p*-nitrodibenzylarsinic acid (CHALLENGER and PETERS), 2618.
- $C_{14}H_{13}O_8N_4As$ Dinitro-2-acetamidodiphenylamine-4-arsinic acid (BARBER), 475.
- $C_{14}H_{13}NClAs$ 10-Chlorodimethyl-5:10-dihydrophenarsazines (GIBSON and JOHNSON), 2749.
- $C_{14}H_{13}NBrAs$ 10-Bromodimethyl-5:10-dihydrophenarsazines (GIBSON and JOHNSON), 2750.
- $C_{14}H_{14}ONCl$ β -Phenoxyethyl-*p*-chloroaniline (PEACOCK, BHATTACHARYA, and RAO), 1927.
- $C_{14}H_{14}O_2NAs$ Dimethylphenarsazinic acids (GIBSON and JOHNSON), 2749.
- $C_{14}H_{14}O_2N_3As$ 2-Nitro-3'-acetamido-4'-hydroxydiphenylamine-4-arsinic acid (BARBER), 475.
- $C_{14}H_{14}O_2Cl_2Te$ Di-*o*-hydroxyditolyl telluridichlorides (MORGAN and BURGESS), 2217.
- $C_{14}H_{14}O_2N_3As$ 2-Nitro-4'-acetamidodiphenylamine-4-arsinic acid (BARBER), 475.
- $C_{14}H_{14}NIS$ Methyl-naphthathiazole ethliodides (HAMER), 2602.
- $C_{14}H_{15}O_4N_2As$ 2-Acetamidodiphenylamine-4-arsinic acid (BARBER), 474.
- $C_{14}H_{15}O_3NAs$ Dimethyldiphenylamine-6'-arsinic acids (GIBSON and JOHNSON), 2750.

- $C_{14}H_{16}O_4N_3AS$ 2-Amino-4'-acetamidodiphenylamine-4-arsinic acid (BARBER), 475.
 $C_{14}H_{16}O_5N_3AS$ 2-Amino-3'-acetamido-4'-hydroxydiphenylamine-4-arsinic acid (BARBER), 475.
 $C_{14}H_{16}O_4N_4Cu$ Di-*p*-toluidinocupric nitrite (KING), 2597.
 $C_{14}H_{20}O_4N_2S$ Ethyl 4-*p*-toluenesulphonylpiperazine-1-carboxylate (MOORE, BOYLE, and THORN), 46.
 $C_{14}H_{21}ON_3Cl_2$ 8- γ -Aminopropylamino-6-ethoxyquinoline dihydrochloride (BALDWIN), 2964.

14 V

- $C_{14}H_8O_2N_2S_2As_2$ 4:4'-Arseno-(1-thiobenzoxazolone) (EVERETT), 676.
 $C_{14}H_{15}O_7N_2S_2AS$ Di(carboxymethyl) 8-acetamido-3-hydroxy-1:4-benzisooxazine-6-thioarsinite (BARBER), 1023.
 $C_{14}H_{15}O_5N_4S_2AS$ Di(carbamylmethyl) 8-acetamido-3-hydroxy-1:4-benzisooxazine-6-thioarsinite (BARBER), 1023.
 $C_{14}H_{15}O_5N_2S_2AS$ Di(β -hydroxyethyl) 8-acetamido-3-hydroxy-1:4-benzisooxazine-6-thioarsinite (BARBER), 1024.
 $C_{14}H_{20}O_4NS_2AS$ Di(carboxymethyl) 4-aminophenylthioarsenite (BARBER), 1022.
 $C_{14}H_{20}O_8N_4SCu$ Benzoylhydrazine copper sulphate (AGGARWAL, DARBARI, and RAY), 1945.

 C_{15} Group.

- $C_{15}H_{10}O_4$ 7:8-Dihydroxyflavone (VENKATARAMAN), 2222.
 $C_{15}H_{10}O_5$ Anthragallol 1-methyl ether (PERKIN and STORY), 1417.
 1-Hydroxy-7-acetoxynanthone (ROBERTSON and WATERS), 2242.
 $C_{15}H_{10}O_6$ 5:7:2':4'-Tetrahydroxyflavone (ROBINSON and VENKATARAMAN), 66.
 5:7:3':4'-Tetrahydroxy-3-phenylcoumarin (BAKER), 1598.
 $C_{15}H_{10}O_7$ Morin (+ H_2O), synthesis of (ROBINSON and VENKATARAMAN), 64.
 $C_{15}H_{10}O_8$ Gossypetin, synthesis of (BAKER, NODZU, and ROBINSON), 74.
 Quercetagetin, synthesis of (BAKER, NODZU, and ROBINSON), 74.
 $C_{15}H_{12}O$ Methyl-9-anthrone (BARNETT and GOODWAY), 1757.
 $C_{15}H_{14}O_3$ 4-Hydroxy-2-methoxyphenyl benzyl ketone (BAKER and ROBINSON), 161.
 ω -*m*-Methoxyphenoxyacetophenone (BAKER, POLLARD, and ROBINSON), 1470.
 $C_{15}H_{14}O_4$ 2:4-Dihydroxyphenyl *p*-methoxybenzyl ketone (BAKER and EASTWOOD), 2902.
 2':4'-Dimethoxydiphenyl-2-carboxylic acid (HURTLEY), 1873.
 $C_{15}H_{15}N$ Dimethyl-9-fluorylamine, and its picrate (INGOLD and JESSOP), 2361.
 $C_{15}H_{16}O$ *p*-Tolyl-*o*-tolylcarbinol (HATT), 1631.
 $C_{15}H_{16}O_2$ γ -Phenoxy- α -phenylisopropyl alcohol (BOYD and VINEALL), 1622.
 $C_{15}H_{16}O_5$ γ -4-Methoxy-2:5-dimethylbenzoylpropane- $\alpha\beta$ -dicarboxylic anhydride (CLEMO, HAWORTH, and WALTON), 2384.
 $C_{15}H_{18}O_3$ Santonin, constitution of (CLEMO, HAWORTH, and WALTON), 2368.
 $C_{15}H_{16}O_4$ 1-Keto-7-methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthyl-2-acetic acid (CLEMO, HAWORTH, and WALTON), 2384.
 $C_{15}H_{16}O_5$ γ -4-Methoxy-2:5-dimethylbenzoylpropane- $\alpha\beta$ -dicarboxylic acid (CLEMO, HAWORTH, and WALTON), 2384.
 $C_{15}H_{20}O_3$ 7-Methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthyl-2-acetic acid (CLEMO, HAWORTH, and WALTON), 2384.
d-Santonous acid, synthesis of (CLEMO, HAWORTH, and WALTON), 2368.
 $C_{15}H_{20}O_5$ β -4-Methoxy-2:5-dimethylphenylethylsuccinic acid (CLEMO, HAWORTH, and WALTON), 2384.
 $C_{15}H_{22}O_2$ *d*- β -Octyl salicylate (RULE, MILES, and MACGILLIVRAY), 2279.

- $C_{15}H_{24}O_5$ Ethyl *cyclopentane-1-acetone-1-malonate* (QUDRAT-I-KHUDA), 719.
 $C_{15}H_{23}Cl$ *isoClovène hydrochloride* (HENDERSON, McCRONE, and ROBERTSON), 1371.
 $C_{15}H_{23}Br$ *isoClovène hydrobromide* (HENDERSON, McCRONE, and ROBERTSON), 1371.
 $C_{15}H_{25}P$ *p*-Tolyldi-*n*-butylphosphine (DAVIES and JONES), 35.
p-Tolyldi*isobutyl*phosphine (DAVIES, PEARSE, and JONES), 1265.
 $C_{15}H_{26}O$ *isoClovène alcohol* (HENDERSON, McCRONE, and ROBERTSON), 1372.
 $C_{15}H_{26}O_5$ Ethyl α -carboxy- γ -acetyl- $\beta\beta$ -diethylbutyrate (QUDRAT-I-KHUDA), 1919.
 $C_{15}H_{28}O_3$ Acid, and its silver salt, from cutin (LEGG and WHEELER), 2454.
 $C_{15}H_{28}N_2$ *N*-Piperidyl-lupinine (CLEMO and RAPER), 1938.
 $C_{15}H_{31}Br$ Hexahydrofarnesyl bromide (HEILBRON and THOMPSON), 890.
 $C_{15}H_{32}O$ Hexahydrofarnesol (HEILBRON and THOMPSON), 889.
 $C_{15}H_{33}P$ Tri-*n*-amylphosphine (DAVIES, PEARSE, and JONES), 1265.
 Tri*isoo*amylphosphine (DAVIES, PEARSE, and JONES), 1267.
 Tri-(*dl*- β -methylbutyl)phosphine (DAVIES, PEARSE, and JONES), 1266.

15 III

- $C_{15}H_8O_3Br_2$ 1:3-Dibromo-2-methoxyanthraquinone (HARDACRE and PERKIN), 185.
 $C_{15}H_8O_4N_4$ 2:4:4'-Trinitro- α -cyanostilbene (BENNETT and PRATT), 1468.
 $C_{15}H_8N_4S$ 5:4'-Dicyano-1-anilinobenzthiazole, and its hydrobromide (DYSON, HUNTER, and SOYKA), 464.
 $C_{15}H_9O_2Br$ 1-Bromo-2-methoxyanthraquinone (HARDACRE and PERKIN), 186.
 $C_{15}H_9O_2I$ 3-Iodo-2-methoxyanthraquinone (HARDACRE and PERKIN), 188.
 $C_{15}H_{10}O_2N_2$ 3:4-Dihydroxyquinoline, and its hydrochloride (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2938.
 6:7-Methylenedioxy-1-phenylphthalazine (AGGARWAL, DARBARI, and RÂY), 1944.
 $C_{15}H_{10}O_4N_4$ 2-Dinitrostyrylbenzimidazole (BENNETT and PRATT), 1468.
 $C_{15}H_{10}O_4S$ 1-Hydroxy-4-acetoxythioxanthone (ROBERTS and SMILES), 871.
 $C_{15}H_{11}O_4N$ Piperonylideneaminobenzoic acids (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1674.
 Salicylidene-*m*-nitroacetophenone (LE FÈVRE), 2774.
 $C_{15}H_{12}ON_2$ Methoxyphenylphthalazines (AGGARWAL, DARBARI, and RÂY), 1944.
 $C_{15}H_{12}O_2S$ Methoxymethylthioxanthenes, and their salts (ROBERTS and SMILES), 869.
 $C_{15}H_{12}O_3N_2$ Piperonaldehyde benzoylhydrazone (AGGARWAL, DARBARI, and RÂY), 1944.
 $C_{15}H_{12}O_3S$ Dimethoxythioxanthenes, and their salts (ROBERTS and SMILES), 870, 1326.
 $C_{15}H_{12}O_5N_4$ Dinitrobenzylidene-*p*-aminoacetanilide (BENNETT and PRATT), 1467.
 $C_{15}H_{14}O_2N_2$ Anisaldehyde benzoylhydrazone (AGGARWAL, DARBARI, and RÂY), 1944.
o-Methoxybenzaldehyde benzoylhydrazone (AGGARWAL, DARBARI, and RÂY), 1945.
 $C_{15}H_{14}O_2N_2$ *s*-Benzoyl-4:5-methylenedioxybenzylhydrazine (AGGARWAL, DARBARI, and RÂY), 1944.
 $C_{15}H_{14}O_3S$ 2'-Carboxy-5-methoxy-2-methyldiphenyl sulphide (ROBERTS and SMILES), 868.
 $C_{15}H_{14}O_4S$ 2'-Carboxy-3:4-dimethoxydiphenyl sulphide (ROBERTS and SMILES), 868.
 $C_{15}H_{14}NCl$ *N*-2:4-Dimethylphenylbenziminocloride (GIBSON and JOHNSON), 2747.

- $C_{15}H_{15}ON$ Benzylidene-*p*-methoxybenzylamine (INGOLD and SHOPPÉE), 1202.
p-Methoxybenzylidenebenzylamine (INGOLD and SHOPPÉE), 1202.
- $C_{15}H_{15}O_2N$ α -Amino- $\beta\beta$ -diphenylpropionic acid (HARINGTON and McCARTNEY), 896.
- $C_{15}H_{15}O_4N$ α -Amino- $\beta\beta$ -di-(4-hydroxyphenyl)propionic acid (HARINGTON and McCARTNEY), 894.
- $C_{15}H_{15}O_2N_2$ *s*-Benzoylmethoxybenzylhydrazines (AGGARWAL, DARBARI, and RAY), 1944.
- $C_{15}H_{17}ON$ β -Phenoxyethyltoluidines (PEACOCK, BHATTACHARYA, and RAO), 1926.
- $C_{15}H_{19}ON$ Δ^1 -*cyclo*Heptenylacetanilide (HUGH, KON, and MITCHELL), 1438.
*cyclo*Heptylideneacetanilide (HUGH, KON, and MITCHELL), 1437.
 α - Δ^1 -*cyclo*Hexenylpropionanilide (KANDIAH and LINSTED), 2149.
- $C_{15}H_{19}O_2N$ Ethyl 1-anilino- $\Delta^{1,2}$ -*cyclo*hexene-2-carboxylate (BLOUNT, PERKIN, and PLANT), 1986.
- $C_{15}H_{19}O_4Cl$ Ethyl α -chloro- β -4-methoxy-2:5-dimethylbenzoylpropionate (CLEMO, HAWORTH, and WALTON), 2383.
- $C_{15}H_{19}O_4Br$ Ethyl α -bromo- β -4-methoxy-2:5-dimethylbenzoylpropionate (CLEMO, HAWORTH, and WALTON), 2382.
- $C_{15}H_{20}ON_2$ 8-*n*-Butylamino-6-ethoxyquinoline (BALDWIN), 2962.
- $C_{15}H_{20}O_5N_2$ Ethyl hydrogen α -keto adipate *p*-methoxyphenylhydrazone (BARRETT, PERKIN, and ROBINSON), 2943.
- $C_{15}H_{21}O_2N$ Ethyl *trans*-decahydro- β -naphthylideneacyanoacetate (RAO), 1963.
- $C_{15}H_{22}ON_2$ Benzoyl- γ -2:3:5:6-tetramethylpiperazine (KIPPING), 2896.
- $C_{15}H_{23}O_2N$ *l*- β -Octyl aminobenzoates (RULE, MILES, and MACGILLIVRAY), 2279.
l-*sec*- β -Octyl anthranilate (RULE, MILES, and MACGILLIVRAY), 2278.
- $C_{15}H_{24}ON_2$ Oxysparteine, and its salts (CLEMO and RAPER), 1939.
- $C_{15}H_{24}O_5N_2$ *l*-Trimethyl rhammonic acid phenylhydrazide (AVERY and HIRST), 2467.
- $C_{15}H_{26}BrP$ Phenyltri-*n*-propylphosphonium bromide (DAVIES, PEARSE, and JONES), 1264.
- $C_{15}H_{26}IP$ Phenylmethyl*isobutyl*phosphonium iodide (DAVIES, PEARSE, and JONES), 1265.
 Phenylmethyl*n*-butylphosphonium iodide (DAVIES and JONES), 34.

15 IV

- $C_{15}H_{10}O_4N_2S$ 1-Anilinobenzthiazole-5:4'-dicarboxylic acid (DYSON, HUNTER, and SOYKA), 465.
- $C_{15}H_{10}O_7NCl$ Nitro-2-phenylbenzopyrylium perchlorates (LE FÈVRE), 2773.
- $C_{15}H_{11}O_2NBr_2$ 3:5-Dibromo-4-acetamidobenzophenone (WATERS), 2109.
- $C_{15}H_{11}O_4NI_4$ $\beta\beta$ -Di-(3:5-di-iodo-4-hydroxyphenyl)- α -aminopropionic acid (HARINGTON and McCARTNEY), 894.
- $C_{15}H_{12}O_2NBr$ 3-Bromo-4-acetamidobenzophenone (WATERS), 2109.
- $C_{15}H_{15}O_4N_2AS$ 1-Phenyl-2- α -hydroxyethylbenzimidazole-5-arsinic acid (PHILLIPS), 2823.
- $C_{15}H_{15}O_5N_3S$ Benzenesulphonyl-*m*-nitrobenzodimethylamidoxime (BRADY and PEAKIN), 2270.
- $C_{15}H_{15}NClAS$ 10-Chlorotrimethyl-5:10-dihydrophenarsazines (GIBSON and JOHNSON), 2753.
- $C_{15}H_{16}O_2NCl$ δ -Chlorobutyl- α -naphthylurethane (BENNETT and HEATHCOAT), 272.
- $C_{15}H_{23}ON_3Cl_2$ 8-(2-Amino-*n*-amylamino)-6-methoxyquinoline dihydrochloride (BALDWIN), 2964.
- $C_{15}H_{24}O_2N_2S$ *p*-Toluenesulphonyltetramethylpiperazines (KIPPING), 2895.

15 V

- $C_{15}H_{10}ON_2Cl_2S$ Acetyl derivative of 5:4'-dichloro-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 463.
 $C_{15}H_{10}ON_2Br_2S$ Acetyl derivative of 5:4'-dibromo-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 461.
 $C_{15}H_{11}O_4NBr_2I_2$ 3':5'-Dibromo-3:5-di-iodothyronine (HARINGTON and MCCARTNEY), 897.
 $C_{15}H_{12}O_2N_2Br_2S$ Dibromo-5:4'-dimethoxy-1-anilinobenzthiazole (DYSON, HUNTER, and SOYKA), 465.
 $C_{15}H_{17}O_2NCIAs$ 2:4:7-Trimethylphenarsazinic acid hydrochloride (GIBSON and JOHNSON), 2753.

 C_{16} Group.

- $C_{16}H_{14}$ 3:9-Dimethylanthracene (BARNETT and GOODWAY), 1758.
 Dimethylanthracenes (MORGAN and COULSON), 2210, 2212.
 $C_{16}H_{18}$ 9-*iso*Propylfluorene (MAITLAND and TUCKER), 2564.
 $C_{16}H_{20}$ 3-Phenyl- Δ^1 :3-menthadiene (READ and WATTERS), 2170.

16 II

- $C_{16}H_8O_8$ Anthraquinone-2:7-dicarboxylic acid (MORGAN and COULSON), 2211.
 $C_{16}H_{10}O_8$ 2-Acetylanthragalol (PERKIN and STORY), 1414.
 1-Acetylporpuroxanthin (PERKIN and STORY), 1415.
 $C_{16}H_{12}O_2$ 2:7-Dimethylanthraquinone (MORGAN and COULSON), 2211.
 $C_{16}H_{12}O_3$ 7-Methoxyisoflavone (BAKER, POLLARD, and ROBINSON), 1473.
 $C_{16}H_{12}O_5$ 7-Acetoxy-1-methoxyxanthone (ROBERTSON and WATERS), 2243.
 Anthragalol 1:2-dimethyl ether (PERKIN and STORY), 1410.
 $C_{16}H_{12}O_8$ 2-Methylirigenol (BAKER and ROBINSON), 159.
 $C_{16}H_{12}N_2$ 9-Phenanthrylaminoacetonitrile (CALLOW and GULLAND), 2425.
 $C_{16}H_{12}Br_2$ 10-Bromo-9-bromomethylmethylanthracenes (BARNETT and GOODWAY), 1759.
 $C_{16}H_{13}Br$ 9-Bromomethyl-2-methylanthracene (BARNETT and GOODWAY), 1759.
 $C_{16}H_{14}O$ 2-Methyl-9-anthranyl methyl ether (BARNETT and GOODWAY), 1758.
 $C_{16}H_{14}O_3$ 3:4'-Dimethylbenzophenone-6-carboxylic acid (MORGAN and COULSON), 2558.
 $C_{16}H_{14}O_4$ 3-Hydroxy-7-methoxyisoflavanone (BAKER, POLLARD, and ROBINSON), 1472.
 $C_{16}H_{14}O_6$ *O*-Benzoylsyringic acid (HEAP and ROBINSON), 70.
 $C_{16}H_{14}N_2$ 2-Phenylnaphthylene-1:3-diamine, preparation and resolution of, and its salts (LESSLIE and TURNER), 1516.
 $C_{16}H_{14}Br_2$ 9-Bromofluorenyldimethylcarbonyl bromide (MAITLAND and TUCKER), 2564.
 $C_{16}H_{15}Br$ 9-Fluorenyldimethylcarbonyl bromide (MAITLAND and TUCKER), 2563.
 $C_{16}H_{16}O$ Trimethylbenzophenones (MORGAN and COULSON), 2209.
 $C_{16}H_{16}O_3$ 2- and 4-Hydroxy-2-methoxy-6-methylphenyl benzyl ketones (BAKER and ROBINSON), 161.
 $C_{16}H_{16}O_4$ 3:4-Dihydroxy-7-methoxyisoflavane (BAKER, POLLARD, and ROBINSON), 1472.
 Ethyl 4-phenyl-6-ethyl- α -pyrone-3-carboxylate (BARDHAN), 2229.
 α -*m*-Methoxyphenoxymethylmandelic acid (BAKER, POLLARD, and ROBINSON), 1471.
 $C_{16}H_{18}O_3$ α -1-Keto-7-methoxy-5:8-dimethyl-1:2:3:4-tetrahydronaphthyl-2-propionic lactone (CLEMO, HAWORTH, and WALTON), 2386.
 $C_{16}H_{20}O_4$ δ -4-Methoxy-2:5-dimethylbenzoylbutane- β - γ -dicarboxylic acid (CLEMO, HAWORTH, and WALTON), 2385.

- $C_{16}H_{22}O_2$ 4-Methoxystyryl *n*-hexyl ketone (HEILBRON and IRVING), 935.
 $C_{16}H_{22}O_5$ α -(β -4-Methoxy-2:5-dimethylphenylethyl)- α' -methylsuccinic acid
 (CLEMO, HAWORTH, and WALTON), 2385.
 $C_{16}H_{26}O_4$ Methyl *trans*-decahydronaphthalene-2:2-diacetate (RAO), 1962.
 $C_{16}H_{26}O_5$ Ethyl *cyclohexane*-1-acetone-1-malonate (QUDRAT-I-KHUDA), 717.
 $C_{16}H_{27}P$ Phenyl-di-*n*-amylphosphine (DAVIES, PEARSE, and JONES), 1266.
 Phenyl-diisomethylphosphine (DAVIES, PEARSE, and JONES), 1267.
 Phenyl-di-(*dl*- β -methylbutyl)phosphine (DAVIES, PEARSE, and JONES), 1266.
 $C_{16}H_{28}O_6$ β -*d*-Bornylgalactoside (ROBERTSON), 1822.
 $C_{16}H_{28}N_2$ Methylsparteine, and its salts (CLEMO and RAPER), 1938.
 $C_{16}H_{30}O_6$ 1-Menthylgalactoside (ROBERTSON), 1822.

16 III

- $C_{16}H_8O_4Br_2$ 1:3-Dibromo-2-acetoxyanthraquinone (HARDACRE and PERKIN), 185.
 $C_{16}H_8O_4N_2$ 10-Nitro-3:4-methylenedioxyquindoline (GULLAND, ROBINSON, SCOTT,
 and THORNLEY), 2937.
 $C_{16}H_8O_4Br$ 1-Bromo-2-acetoxyanthraquinone (HARDACRE and PERKIN), 186.
 $C_{16}H_8O_4I$ 3-Iodo-2-acetoxyanthraquinone (HARDACRE and PERKIN), 188.
 $C_{16}H_{10}O_2N_2$ 3:4-Methylenedioxyquindoline (GULLAND, ROBINSON, SCOTT, and
 THORNLEY), 2936.
 $C_{16}H_{10}O_4N_4$ Dinitrobenzylidene-6-aminoquinoline (BENNETT and PRATT), 1467.
 $C_{16}H_{10}O_6N_2$ Acid, from oxidation of 3:4-methylenedioxyquindoline (GULLAND,
 ROBINSON, SCOTT, and THORNLEY), 2936.
 $C_{16}H_{11}ON$ 14-Keto-7:14-dihydrobenzo- β -quinindene (BLOUNT, PERKIN, and
 PLANT), 1983.
 $C_{16}H_{11}O_6N$ 3-Nitroalizarin dimethyl ether (PERKIN and STORY), 1416.
 $C_{16}H_{11}NBr_4$ Tetrabromophenyl- α -naphthylamine (ELSON, GIBSON, and JOHNSON),
 1086.
 $C_{16}H_{12}O_4S$ Acetoxymethoxythioxanthenes (ROBERTS and SMILES), 1325.
 $C_{16}H_{12}O_{11}S$ Methylmyricetin sulphonic acid (HEAP and ROBINSON), 70.
 $C_{16}H_{13}O_4N$ 3-Aminoalizarin dimethyl ether (PERKIN and STORY), 1416.
 $C_{16}H_{13}O_5Cl$ *O*-Benzoylsyringyl chloride (HEAP and ROBINSON), 71.
 $C_{16}H_{14}O_2N_2$ 6:7-Dimethoxy-1-phenylphthalazine (AGGARWAL, DARBARI, and
 RAY), 1942.
 $C_{16}H_{14}O_4S$ 2:3:4-Trimethoxythioxanthone, and its salts (ROBERTS and SMILES),
 872.
 $C_{16}H_{15}O_3N$ α -*m*-Methoxyphenoxymethylmandelonitrile (BAKER, POLLARD, and
 ROBINSON), 1470.
 $C_{16}H_{15}O_4N$ Ethyl quinaldinylacetoacetate (HAMMICK and DICKINSON), 215.
 $C_{16}H_{15}O_4N_3$ Benzoyl-*m*-nitrobenzodimethylamidoxime (BRADY and PEAKIN), 2270.
 $C_{16}H_{16}O_2N_4$ Quinoxaline-2:3-dicarboxy-*o*-phenylenediamide (CHATTAWAY and
 HUMPHREY), 647.
 $C_{16}H_{16}O_3N_2$ Veratraldehyde benzoylhydrazone (AGGARWAL, DARBARI, and RAY),
 1942.
 $C_{16}H_{16}O_4N_2$ Diacetyldihydroxybenzidine (BURKHARDT and WOOD), 152.
 $C_{16}H_{17}ON$ 2:4:4'-Trimethylbenzophenoneoxime (MORGAN and COULSON), 2210.
 $C_{16}H_{17}O_3N$ 3-Ethylidene-*cis*- Δ^4 -tetrahydrophthalanic acid (FARMER and WAR-
 REN), 908.
 $C_{16}H_{17}O_4N$ α -*m*-Methoxyphenoxymethylmandelamide (BAKER, POLLARD, and
 ROBINSON), 1471.
 $C_{16}H_{18}O_3N_2$ *s*-Benzoyl-3:4-dimethoxybenzylhydrazine (AGGARWAL, DARBARI, and
 RAY), 1943.
 $C_{16}H_{19}ON$ Fluoryl-9-trimethylammonium hydroxide, salts of (INGOLD and JESSOP),
 2359.

- $C_{16}H_{19}O_2N_3$ Decahydronaphthalene-2:2-dicyanoacet- ω -imides (RAO), 1961, 1967.
 $C_{18}H_{20}O_8N_2$ Tetraethyl pyrazinetetracarboxylate (CHATTAWAY and HUMPHREY), 651.
 $C_{16}H_{20}N_2Te$ 4:4'-Tetramethyldiaminodiphenyl telluride (MORGAN and BURSTALL), 1105.
 $C_{16}H_{21}O_2N_3$ 5-Acetamido-8-*n*-butylamino-6-methoxyquinoline (BALDWIN), 2961.
 $C_{16}H_{23}ON_3$ Substance, from methyloxysparteine and cyanogen bromide (CLEMO and KAPER), 1940.
 $C_{16}H_{25}O_2N$ Ethyl α -cyano- α - $\Delta^{2:3(1:2)}$, *trans*-decahydronaphthalene-2-propionate (RAO), 1964.
 $C_{16}H_{25}O_4N_3$ $\alpha\alpha'$ -Dicarbamyldcahydronaphthalene-2:2-diacet- ω -imides (RAO), 1961, 1967.
 $C_{16}H_{26}ON_2$ Methyloxysparteines, and its salts (CLEMO and BAKER), 1939.
 $C_{16}H_{26}O_6N_2$ *l*-Tetramethyl gluconophenylhydrazide (HAWORTH and PEAT), 357.
 $C_{16}H_{27}O_5N_3$ Ethyl cyclopentane-1-acetone-1-malonate semicarbazone (QUDRAT-I-KHUDA), 719.
 $C_{16}H_{28}BrP$ *p*-Tolyltri-*n*-propylphosphonium bromide (DAVIES, PEARSE, and JONES), 1265.
 $C_{16}H_{28}IP$ Phenylethyldi-*n*-butylphosphonium iodide (DAVIES and JONES), 34.
p-Tolylmethyldi-*n*-butylphosphonium iodide (DAVIES and JONES), 35.
p-Tolylmethyldiisobutylphosphonium iodide (DAVIES, PEARSE, and JONES), 1265.
 $C_{16}H_{29}O_5N_3$ Ethyl α -carboxy- γ -acetyl- $\beta\beta$ -diethylbutyrate semicarbazone (QUDRAT-I-KHUDA), 1919.
 $C_{16}H_{35}O_4P$ Cetyl dihydrogen phosphate, and its metallic salts (PLIMMER and BURCH), 280.
 $C_{16}H_{38}IP$ Methyltriisomylphosphonium iodide (DAVIES, PEARSE, and JONES), 1267.

16 IV

- $C_{16}H_9O_2N_4Cl_2$ 6-Chloroquinoxaline-2:3-dicarboxy-*p*-chloro-*o*-phenylenediamide (CHATTAWAY and HUMPHREY), 649.
 $C_{16}H_9O_2N_4Br_2$ 6-Bromoquinoxaline-2:3-dicarboxy-*p*-bromo-*o*-phenylenediamide (CHATTAWAY and HUMPHREY), 649.
 $C_{18}H_9O_{10}N_5S$ *m*-Nitrobenzenesulphon-1:6:8-trinitro- β -naphthalide (BELL), 2786.
 $C_{18}H_{10}O_8N_4S$ *m*-Nitrobenzenesulphon-1:6-dinitro- β -naphthalide (BELL), 2786.
 $C_{16}H_{11}ONS$ *N*-Acetylthionaphthindole (McCLELLAND), 1592.
 $C_{16}H_{11}O_6N_3S$ *m*-Nitrobenzenesulphon-8-nitro- β -naphthalide (BELL), 2786.
 $C_{16}H_{12}O_4N_2S$ *m*-Nitrobenzenesulphon- β -naphthalide (BELL), 2786.
 $C_{16}H_{14}O_2N_2Br_2$ 5:5'-Dibromo-2:2'-diacetamidodiphenyl (LE FÈVRE), 736.
 $C_{16}H_{18}O_2N_2As_2$ 4:4'-Diacetamidoarsenobenzene (HAYTHORNTHWAITTE), 1014.
 $C_{16}H_{19}ONCl$ *O*-Acetyl-1-isodiphenylhydroxyethylamine hydrochloride (READ, CAMPBELL, and BARKER), 2311.
 $C_{16}H_{18}O_2NCl$ ϵ -Chloroamyl α -naphthylurethane (BENNETT and HEATHCOAT), 273.
 $C_{16}H_{18}O_5N_3As$ 2:4'-Diacetamidodiphenylamine-4-arsinic acid (BARBER), 475.
 $C_{16}H_{19}O_2N_4Cl$ Benzaldehyde-*p*-trimethylammonium chloride *p*-nitrophenylhydrazide (HODGSON and COOPER), 234.
 $C_{16}H_{20}N_2Cl_2Te$ 4:4'-Tetramethyldiaminodiphenyl telluridichloride (MORGAN and BURGESS), 1104.
 $C_{16}H_{20}N_2I_2Te$ 4:4'-Tetramethyldiaminodiphenyl telluridi-iodide (MORGAN and BURGESS), 1105.
 $C_{16}H_{26}O_9NCl$ Tetra-acetyl glucosidyldimethylamide hydrochloride (BAKER), 1209.

16 V

- $C_{16}H_9O_9N_2S_3Na_3$ Sodium benzeneazo-3:6-disulpho- β -naphthyl sulphite (KING), 607.

- $C_{16}H_{10}O_6N_2S_2Na_2$ Sodium benzeneazo-6-sulpho- β -naphthyl sulphite (KING), 607.
 $C_{16}H_{11}O_5N_2SK$ Potassium 2-hydroxynaphthaleneazophenyl sulphate (BURKHARDT and WOOD), 147.
 $C_{16}H_{14}O_2N_2Br_2As_2$ 2:2'-Dibromo-4:4'-diacetamidoarsenobenzene (HAYTHORNTHWAITE), 1014.
 $C_{16}H_{14}O_4N_2Br_2As_2$ 5:5'-Dibromo-3:3'-diacetamido-4:4'-dihydroxyarsenobenzene (HAYTHORNTHWAITE), 1014.
 $C_{16}H_{14}O_4N_2ClS$ Cinnamaldehyde 2-chloro-5-nitro-*p*-toluenesulphonhydrazone (DANN and DAVIES), 1053.
 $C_{16}H_{21}O_7N_2S_2AS$ Di-(β -carboxy- β -aminoethyl)-8-acetamido-3-hydroxy-1:4-benzisoxazine-6-thioarsinite (BARBER), 1024.

C_{17} Group.

- $C_{17}H_{16}$ 2:3:6-Trimethylantracene (MORGAN and COULSON), 2551.

17 II

- $C_{17}H_{16}O_6$ Substance, from oxidation of 2:3:6-trimethylantraquinone (MORGAN and COULSON), 2556.
 $C_{17}H_{18}O_5$ 7-Methoxyisoflavone-2-carboxylic acid (BAKER, POLLARD, and ROBINSON), 1473.
 $C_{17}H_{18}O_6$ Acetylanthragallol 2-methyl ethers (PERKIN and STORY), 1409.
 $C_{17}H_{12}N_2$ 2:3-(2'-Phenylpyrrolo)(4':5')-quinoline (ROBINSON), 2950.
 $C_{17}H_{14}O_2$ Methyl-9-anthranil acetates (BARNETT and GOODWAY), 1758.
 2:3:6-Trimethylantraquinone (MORGAN and COULSON), 2555.
 $C_{17}H_{14}O_5$ Anthragallol trimethyl ether (PERKIN and STORY), 1410.
 2-Ethylcarbonato-1-hydroxyanthrone (PERKIN and STORY), 1418.
 $C_{17}H_{14}O_6$ 5:7-Dihydroxy-2':4'-dimethoxyflavone (ROBINSON and VENKATARAMAN), 66.
 5:7-Dihydroxy-3':4'-dimethoxy-3-phenylcoumarin (BAKER), 1599.
 $C_{17}H_{14}O_8$ Syringetin (HEAP and ROBINSON), 67.
 $C_{17}H_{14}N_2$ 3-Styryl-2-methylquinoxaline (BENNETT and WILLIS), 267.
 $C_{17}H_{16}O$ 2:3:6-Trimethyl-9-anthrone (MORGAN and COULSON), 2554.
 $C_{17}H_{16}O_3$ 3:4:3'-Trimethylbenzophenone-6'-carboxylic acid (MORGAN and COULSON), 2558.
 $C_{17}H_{16}O$ 2:4:5:4'-Tetramethylbenzophenone (MORGAN and COULSON), 2554.
 $C_{17}H_{18}O_5$ Methyl α -*m*-methoxyphenoxymethylmandelate (BAKER, POLLARD, and ROBINSON), 1471.
 $C_{17}H_{20}O_5$ Anhydrocatechin tetramethyl ether, preparation of (BAKER), 1596.
 $C_{17}H_{24}O$ Styryl *n*-octyl ketone (HEILBRON and IRVING), 936.
 $C_{17}H_{24}O_3$ *l*-Menthyl salicylate (RULE and MACGILLIVRAY), 405.
 $C_{17}H_{26}O_4$ Ethyl 2-carboxy-*trans*-decahydronaphthalene-2-acetates (RAO), 1965.
 $C_{17}H_{26}P$ *p*-Tolyldi-*n*-amyl phosphine (DAVIES, PEARSE, and JONES), 1266.
p-Tolyldiisomethylphosphine (DAVIES, PEARSE, and JONES), 1267.
p-Tolyldi-(*dl*- β -methyl)butylphosphine (DAVIES, PEARSE, and JONES), 1266.
 $C_{17}H_{34}O_2$ 3:7:11-Trimethyltetradecic acid (HEILBRON and THOMPSON), 892.

17 III

- $C_{17}H_{12}O_5S$ Diacetoxythioxanthenes (ROBERTS and SMILES), 871.
 $C_{17}H_{14}ON_2$ 3-Benzamidoquinaldine (ROBINSON), 2950.
 $C_{17}H_{14}O_5N_4$ 3-Nitro-5-diacetylaminobenzophenone (WATERS), 2110.
 $C_{17}H_{16}O_4N$ Ethyl *o*-benzamidophenylglyoxylate (CALLOW and HOPE), 1197.
 $C_{17}H_{16}N_3Cl$ Di-(*p*-cyanobenzyl)methylamine hydrochloride (BAKER), 1206.

- $C_{17}H_{19}ON$ 2:4:5:4'-Tetramethylbenzophenone oxime (MORGAN and COULSON), 2554.
- $C_{17}H_{20}O_2N_2$ Phenyl-3-nitrobenzyl-*n*-butylamine (REILLY, DRUMM, and CREEDON), 643.
- $C_{17}H_{20}O_9S$ *p*-Toluenesulphonylglucose-acetone carbonate (HAWORTH and PORTER), 2801.
- $C_{17}H_{21}O_5N$ Ethyl β -2-carbethoxymethoxyindole-3-propionates (BARRETT, PERKIN, and ROBINSON), 2944.
- $C_{17}H_{23}O_4N_2$ 2:5-Dinitro-4-piperidinophenylcyclohexane (MAYES and TURNER), 505.
- $C_{17}H_{25}O_3N$ *l*-Menthyl aminobenzoates (RULE and MACGILLIVRAY), 406.
- $C_{17}H_{27}O_2N$ *d*- β -Octyl dimethylaminobenzoates (RULE, MILES, and MACGILLIVRAY), 2279.
- $C_{17}H_{29}O_5N_3$ Ethyl cyclohexane-1-acetone-1-malonate semicarbazone (QUDRAT-KHUDA), 717.
- $C_{17}H_{30}IP$ Phenylmethyldi-*n*-amylphosphonium iodide (DAVIES, PEARSE, and JONES), 1266.
- Phenylmethyldiisomylphosphonium iodide (DAVIES, PEARSE, and JONES), 1267.
- Phenylmethyldi-(*dl*-*p*-methylbutyl)phosphonium iodide (DAVIES, PEARSE, and JONES), 1266.
- $C_{17}H_{34}N_2I$ *N*-Piperidyl-lupinine dimethiodide (CLEMO and RAPER), 1938.
- $C_{17}H_{38}OP$ Tri-*n*-propyl-*n*-octylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2352.

17 IV

- $C_{17}H_{13}O_3NBr_2$ 3:5-Dibromo-4-diacetylaminobenzophenone (WATERS), 2109.
- $C_{17}H_{13}O_3NI_2$ 3:5-Di-iodo-4-diacetylaminobenzophenone (WATERS), 2110.
- $C_{17}H_{13}O_6N_2S$ *p*-Toluenesulphondinitro- β -naphthalides (BELL), 2786.
- $C_{17}H_{14}O_4N_2S$ *p*-Toluenesulphonnitro- β -naphthalides (BELL), 2785.

17 V

- $C_{17}H_9O_{11}N_2S_3Na_4$ Sodium *o*-carboxybenzeneazo-3:6-disulpho- β -naphthyl sulphite (KING), 608.
- $C_{17}H_{15}O_3NBrI$ 3-Bromo-5-iodo-4-diacetamidobenzophenone (WATERS), 2111.

C₁₈ Group.

- $C_{18}H_{12}O_7$ 1:3-Diacetylporpurin (PERKIN and STORY), 1415.
- $C_{18}H_{14}O_4$ 3:9-Diacetoxanthracene (HARDACRE and PERKIN), 187.
- $C_{18}H_{14}O_6$ Acetylanthragallol 1:2-dimethyl ether (PERKIN and STORY), 1410.
- Ethylcarbonato-1-benzylidencoumaran-2-one (PERKIN and STORY), 1421.
- $C_{18}H_{14}N_2$ Anhydro-2:3-(2'-phenylpyrrolo)(4':5')quinoline methohydroxide (ROBINSON), 2951.
- $C_{18}H_{18}O_3$ 7-Methoxy-2:5-dimethylisoflavone (BAKER and ROBINSON), 161.
- $C_{18}H_{18}O_7$ Morin 3:2':4'-trimethyl ether (ROBINSON and VENKATARAMAN), 63.
- $C_{18}H_{18}O_8$ Myricetin 3':4':5'-trimethyl ether (HEAP and ROBINSON), 69.
- $C_{18}H_{18}Si$ Triphenylsilicane (KIPPING and MURRAY), 364.
- $C_{18}H_{18}O_4$ Diacetyl-*l*-isohydrobenzoin (READ, CAMPBELL, and BARKER), 2314.
- $C_{18}H_{18}O_5$ 2:4:6-Trimethoxyphenyl 2-hydroxystyryl ketone (CULLINANE and PHILPOTT), 1765.
- $C_{18}H_{18}O_7$ 2:4-Dimethoxybenzoic anhydride (ROBINSON and VENKATARAMAN), 62.
- $C_{18}H_{22}O_3$ Benzoin diethylacetal (WARD), 1550.
- $C_{18}H_{26}O_6$ Tetraethyl 3:6-dicarboxyhexahydrophthalate (FARMER and WARREN), 906.
- $C_{18}H_{30}O_4$ Ethyl decahydronaphthalene-2:2-diacetates (RAO), 1962, 1968.

- $C_{18}H_{31}P$ Phenyl-di-(β -methylamyl)phosphine (DAVIES, PEARSE, and JONES), 1263.
 $C_{18}H_{32}O_2$ Linolic acid, constitution of (HAWORTH), 1456.
 $C_{18}H_{34}O_3$ Acid, and its silver salt, from cutin (LEGG and WHEELER), 2457.

18 III

- $C_{18}H_{11}O_4N_3$ *N*-2':4'-Dinitrophenylcarbazole (LE FÈVRE), 737.
 $C_{18}H_{18}O_4N_3$ 2-Dinitrostyrylmethylquinolines (BENNETT and PRATT), 1467.
 $C_{18}H_{13}O_4Cl$ Chlorodiaceoxyanthracene (HARDACRE and PERKIN), 188.
 $C_{18}H_{14}O_5N_2$ Nitro-8-benzoyldihydropentindole (PLANT), 2496.
 $C_{18}H_{14}O_5N_2$ α -Cyano-2-nitro-3:4-dimethoxy-2'-aldehydostilbene (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1673.
 $C_{18}H_{14}O_6N_2$ 5-Keto-2-phenyl-4-(2'-nitro-3':4'-dimethoxybenzylidene)-4:5-dihydrooxazole (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2932.
 $C_{18}H_{14}O_6N_4$ 2:4:6-Trinitro-1-amino-3:5-dianilinobenzene (FLÜRSCHHEIM and HOLMES), 336.
 $C_{18}H_{16}ON$ 8-Benzoyldihydropentindole (PLANT), 2496.
 $C_{18}H_{16}O_2N$ β -2-Phenyl-4-quinolone-3-propionic acid (PLANT), 2497.
 $C_{18}H_{16}O_4N_2$ 10-Nitro-9-hydroxy-8-benzoyltetrahydropentindole (PLANT), 2496.
 $C_{18}H_{16}O_7N_2$ 2-Nitro- α -benzamido-3:4-dimethoxycinnamic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2932.
 $C_{18}H_{17}ON$ 8-Phenoxyethyl- α -naphthylamine (PEACOCK, BHATTACHARYA, and RAO), 1927.
 $C_{18}H_{17}ON_3$ 6-3-Nitrosomethylamino-1-methylamino-2-phenylnaphthalene (KENTISH), 1175.
 α -3-Nitrosomethylamino-1-methylimino-2-phenyl-1:2-dihydronaphthalene (KENTISH), 1173.
 $C_{18}H_{17}O_4N$ γ -*o*-Benzamidobenzoylbutyric acid (PLANT), 2497.
 $C_{18}H_{17}O_4Cl$ 2':4':6'-Trimethoxyflavylium chloride (CULLINANE and PHILPOTT), 1765.
 $C_{18}H_{18}N_4S_2$ 2:2'-*oo'*-Dithiodiphenyl-4:5-dihydroglyoxaline (McCLELLAND and WARREN), 2626.
 $C_{18}H_{18}ON$ 1-Benzoyl-2:3-dimethyl-1:2:3:4-tetrahydroquinoline (PLANT and ROSSER), 1865.
 $C_{18}H_{18}O_2N$ Di-(4-hydroxy-2:5-dimethylphenyl)acetonitrile (CLEMO, HAWORTH, and WALTON), 2376.
 $C_{18}H_{18}O_3N$ Diacetyl-*l*-isodiphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2311.
 $C_{18}H_{21}O_2N$ β -4-Methoxy-2:5-dimethylphenylpropionanilide (CLEMO, HAWORTH, and WALTON), 2378.
 $C_{18}H_{21}O_3N$ β -4-Methoxy-2:5-dimethylphenylethyl phenylcarbamate (CLEMO, HAWORTH, and WALTON), 2379.
 $C_{18}H_{24}O_6N_4$ Hexa-acetamidobenzene (FLÜRSCHHEIM and HOLMES), 335.
 $C_{18}H_{22}IP$ *p*-Tolylmethyl-di-*n*-amylphosphonium iodide (DAVIES, PEARSE, and JONES), 1266.
p-Tolylmethyl-di*iso*amylphosphonium iodide (DAVIES, PEARSE, and JONES), 1267.
p-Tolylmethyl-di-(*dl*- β -methylbutyl)phosphonium iodide (DAVIES, PEARSE, and JONES), 1267.

18 IV

- $C_{18}H_{10}O_4N_3Cl_3$ 5:6:8-Trichloro-2-dinitrostyryl-4-methylquinoline (BENNETT and PRATT), 1467.
 $C_{18}H_{11}O_4N_3Cl_2$ 5:8-Dichloro-2-dinitrostyryl-4-methylquinoline (BENNETT and PRATT), 1467.
 $C_{18}H_{12}O_{10}N_4S_2$ Di-*m*-nitrobenzenesulphon-*o'*-nitroanilide (BELL), 2788.

- $C_{18}H_{13}NClAs$ 7-Chloro-12:7-dihydroisoacenaphthabenzarsazine (GIBSON and JOHNSON), 1621.
- $C_{18}H_{13}NBrAs$ 7-Bromo-12:7-dihydroisoacenaphthabenzarsazine (GIBSON and JOHNSON), 1621.
- $C_{18}H_{16}O_3ClSi$ Triphenoxychlorosilicane (THOMPSON and KIPPING), 1177.
- $C_{18}H_{16}O_3NAS$ *o*-(3-Acenaphthylamino)phenylarsinic acid (GIBSON and JOHNSON), 1621.
- $C_{18}H_{16}N_2Cl_4Co$ Diquinolinium cobaltous chloride (PERCIVAL and WARDLAW), 1507.
- $C_{18}H_{16}N_2Br_4Co$ Diquinolinium cobaltous bromide (PERCIVAL and WARDLAW), 1508.
- $C_{18}H_{16}N_3I_4Co$ Diquinolinium cobaltous iodide (PERCIVAL and WARDLAW), 1509.
- $C_{18}H_{17}O_4Cl_4Fe$ 2':4':6'-Trimethoxyflavylium ferrichloride (CULLINANE and PHILPOTT), 1765.
- $C_{18}H_{19}O_2NS$ 4-Phenylpenthian-4-ol phenylurethane (BENNETT and WADDINGTON), 2831.
- $C_{18}H_{20}O_2N_2S_2$ Di-2-methylthioldibenzoylthylenediamine (McCLELLAND and WARREN), 2625.
- $C_{18}H_{21}ONS$ Benzenesulphonylbenzylpiperidines (BRYANS and PYMAN), 550.
- $C_{18}H_{21}O_2NS$ Phenyl ϵ -hydroxyamyl sulphide phenylurethane (BENNETT and HEATHCOAT), 274.
- $C_{18}H_{21}O_2NS_2$ 4-Phenylpenthian-4-ol-1-*p*-toluenesulphonylimine (BENNETT and WADDINGTON), 2838.
- $C_{18}H_{24}ON_4Br_2$ Substance, from methyloxysparteine and cyanogen bromide (CLEMO and RAPER), 1940.
- $C_{18}H_{30}O_9NCl$ Tetra-acetylglucosyldiethylamide hydrochloride (BAKER), 1209.
- $C_{18}H_{31}ON_2I$ Dimethyloxysparteine methiodide (CLEMO and RAPER), 1940.
- $C_{18}H_{44}O_{13}N_9CO_2$ Hexa-allylamineperoxodihydroxodicobalt trinitrate (PERCIVAL and WARDLAW), 1319.

18 V

- $C_{18}H_{13}O_9N_2S_3Na_3$ Sodium *m*-xyleneazo-3:6-disulpho- β -naphthyl sulphite (KING), 608.
- $C_{18}H_{16}ON_2Br_5Mo$ Diquinolinium molybdenyl pentabromide (ANGELL, JAMES, and WARDLAW), 2582.
- $C_{18}H_{56}O_4N_6Cl_3CO_2$ Hexapropylamineperoxodihydroxodicobalt trichloride (PERCIVAL and WARDLAW), 1319.

C₁₉ Group.

- $C_{19}H_{18}$ Substances, from diacetone alcohol and magnesium 9-fluorenyl bromide (MAITLAND and TUCKER), 2565.
- $C_{19}H_{22}$ β -9-Fluorenyl-8-methylpentane (MAITLAND and TUCKER), 2566.

19 II

- $C_{19}H_{16}O_2$ Substance, from guaiacol and α -phenylacetoacetic ester (BAKER and EASTWOOD), 2907.
- $C_{19}H_{16}O_6$ 5:7:3':4'-Tetramethoxy-3-phenylcoumarin (BAKER), 1598.
- $C_{19}H_{16}O_8$ β -Glucosidoxanthones (ROBERTSON and WATERS), 2241.
- $C_{19}H_{18}O_9$ 7- β -Glucosidoxy-1-hydroxyxanthone (ROBERTSON and WATERS), 2242.
- $C_{19}H_{20}O_3$ Ethyl methoxybenzylcinnamates (INGOLD and SHOPPEE), 453.
- $C_{19}H_{20}O_6$ 2-Hydroxy-4:6-dimethoxyphenyl 2:4-dimethoxystyryl ketone (CULLINANE and PHILPOTT), 1763.
- $C_{19}H_{22}O_2$ α -9-Fluorenyl- $\alpha\gamma\gamma$ -trimethyltrimethylene glycol (MAITLAND and TUCKER), 2566.
- $C_{19}H_{22}O_8$ 2:6-Dihydroxy-3:4-dimethoxyphenyl 3:4:5-trimethoxybenzyl ketone (BAKER and ROBINSON), 158.

- $C_{13}H_{25}P$ *p*-Tolyldi-(δ -methylamyl)phosphine (DAVIES, PEARSE, and JONES), 1268.
 $C_{19}H_{23}O_2$ Ethyl ester, of acid, $C_{15}H_{23}O_2$ (LEGG and WHEELER), 2455.
 $C_{19}H_{35}O$ 3:7:11-Trimethyl-15-hexadecanone (HEILBRON and THOMPSON), 889.

19 III

- $C_{19}H_{11}O_5N$ Resorcinolcinchomeronein (TEWARI), 1643.
 $C_{12}H_{11}O_7N$ Phloroglucinolcinchomeronein (TEWARI), 1643.
 $C_{19}H_{12}O_3N_2$ β -3-Nitro-4-methoxyphenylethylamine, and its hydrochloride (CALLOW, GULLAND, and HAWORTH), 1453.
 $C_{19}H_{13}O_4N$ Phenolcinchomeronein (TEWARI), 1643.
 $C_{19}H_{15}ON_2$ β -3-Amino-4-methoxyphenylethylamine, and its hydrochloride (CALLOW, GULLAND, and HAWORTH), 1454.
 $C_{19}H_{14}O_2N_4$ *m*-Phenylenediaminecinchomeronein (TEWARI), 1644.
 $C_{19}H_{14}O_3N_2$ β -Phthalimidoethylquinolones (SESHADEI), 2954.
 $C_{19}H_{16}O_4N_2$ 2-Dinitrostyryl-4:6-dimethylquinoline (BENNETT and PRATT), 1468.
 $C_{19}H_{15}O_3B$ 1-Hydroxy-7-acetoxyanthone diacetoborate (ROBERTSON and WATERS), 2242.
 $C_{19}H_{14}O_3N_2$ Nitro-9-benzoyltetracarbazoles (PLANT and RUTHERFORD), 1974.
 $C_{19}H_{17}O_2P$ Triphenylmethylphosphinic acid, formation of (HATT), 2412.
 $C_{19}H_{17}O_3N$ 3:10-Dimethoxyoxyprotoberberine (CHAKRAVARTI and PERKIN), 200.
 $C_{19}H_{17}O_4Br$ 3:5:2:4'-Tetramethoxy-4-bromobenzylidenecoumaran-2-one (CULLINANE and PHILPOTT), 1764.
 $C_{19}H_{15}ON$ 6-Benzoyl-2:3:4:5:6:13-hexahydro- α -quinindene (BLOUNT, PERKIN, and PLANT), 1985.
 $C_{19}H_{15}O_2N$ 9-Benzoyl-10:11-dihydroxyhexahydrocarbazole (PLANT and RUTHERFORD), 1974.
 $C_{19}H_{15}O_5N$ 4-Methoxyphthalidecarboxy-*p-m*-methoxyphenylethylamides (CHAKRAVARTI and PERKIN), 200.
 $C_{19}H_{15}O_5Cl$ Tetramethyl-luteolinidin chloride (BAKER), 1603.
 $C_{19}H_{20}ON_2$ 6-Phenylcarbonyl-2:3:4:5:6:13-hexahydro- α -quinindene (BLOUNT, PERKIN, and PLANT), 1985.
 $C_{19}H_{20}O_5N_2$ 2'-Nitro-3':4'-dimethoxyphenyl-(β -4-methoxyphenylethylamino)acetylene (CALLOW, GULLAND, and HAWORTH), 1449.
 $C_{19}H_{20}O_5N_4$ Glucofuranose 5:6-carbonate phenylosazone (HAWORTH and PORTER), 2806.
 $C_{19}H_{21}ON$ 1-Benzoyl-2-benzylpiperidine (BRYANS and PYMAN), 550.
 $C_{19}H_{21}O_2N$ 3:10-Dimethoxytetrahydroprotoberberine (CHAKRAVARTI and PERKIN), 201.
*apo*Morphine dimethyl ether, attempted synthesis of (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1666.
 $C_{19}H_{21}O_5N_2$ 2'-Nitro-3':4'-dimethoxyphenyl-(3-amino-4-methoxy- β -phenylethylamino) acetylene, and its picrate (CALLOW, GULLAND, and HAWORTH), 1454.
 $C_{19}H_{22}O_2N_2$ Malondi- β -phenylethylamide (CHILD and PYMAN), 2014.
 $C_{19}H_{22}O_4N_2$ 2'-Nitro-3':4'-dimethoxyphenylaceto- β -4-methoxyphenylethylamide (CALLOW, GULLAND, and HAWORTH), 1449.
 Pentamethylene glycol bisphenylurethane (BENNETT and HEATHCOAT), 273.
 $C_{19}H_{23}O_2N$ 2-Carboxy-*trans*-decahydronaphthalene-2-acetanils (RAO), 1966.
 $C_{19}H_{23}O_5N$ Ethyl 4-hydroxyphenyl-2:6-dimethyl-1:4-dihydropyridine-3:5-dicarboxylates (HINKEL and MADEL), 754.
 $C_{19}H_{23}O_3N$ 2-Carboxy-*trans*-decahydronaphthalene-2-anilic acids (RAO), 1966.
 $C_{19}H_{23}O_2N$ *L*-Menthyl *o*-dimethylaminobenzoate (RULE and MACGILLIVRAY), 407.

$C_{19}H_{25}O_3N$ Tetra-acetylglucosidylpiperidides, and their hydrochlorides (BAKER, 1208.

$C_{19}H_{34}IP$ Phenylmethyl-di-(δ -methylamyl)phosphonium iodide (DAVIES, PEARSE, and JONES), 1268.

$C_{19}H_{36}O_2Br_2$ $\alpha\beta$ -Dibromohydrin palmitate (FAIRBOURNE and COWDEEY), 134.

19 IV

$C_{19}H_{11}ONCl_4$ *N*-Chlorophenylbenzimidino-2:4:6-trichlorophenyl ethers (CHAPMAN), 570.

$C_{19}H_{15}O_2N_2Br$ β -Phthalimidoethylquinolinium bromides (SESHADRI), 2953.

$C_{19}H_{18}ONCl$ Chloro-9-benzoyltetrahydrocarbazoles (PLANT and RUTHERFORD), 1974.

$C_{19}H_{16}O_2CIP$ Triphenylmethylchlorophosphinic acid, and its salts (HATT), 2418.

$C_{19}H_{17}O_4N_2Cl$ 11-Nitro-9-*p*-chlorobenzoyl-10-hydroxyhexahydrocarbazole (PLANT and RUTHERFORD), 1974.

$C_{19}H_{18}O_4N_2S$ Ethyl 1-anilino-benzthiazole-5:4'-dicarboxylate (DYSON, HUNTER, and SOYKA), 465.

2:3-(2'-Phenylpyrrolo)(4':5')-quinoline methosulphate (ROBINSON), 2951.

$C_{19}H_{20}O_4NCl$ Ethyl 4-chlorophenyl-2:6-dimethylpyridine-3:5-dicarboxylates (HINKEL and MADEL), 753.

$C_{19}H_{21}O_2NS$ 4-Benzylpenthian-4-ol phenylurethane (BENNETT and WADDINGTON), 2832.

$C_{19}H_{22}O_4NCl$ Ethyl 4-chlorophenyl-2:6-dimethyl-1:4-dihydropyridine-3:5-dicarboxylates (HINKEL and MADEL), 753.

 C_{20} Group.

$C_{20}H_{32}$ Diterpene, from Δ - Δ^3 -carene and sulphuric acid (GIBSON and SIMONSEN), 311.

20 II

$C_{20}H_{16}O_4$ 2:6-Dibenzoyloxy-*p*-benzoquinone (BAKER, NODZU, and ROBINSON), 77.

$C_{20}H_{16}O$ Benzoyloxydiphenylmethanes (SHORT and STEWART), 556.

Dibenzylphenols (SHORT and STEWART), 555.

$C_{20}H_{16}O_4$ 2:6-Dibenzoyloxyquinol (BAKER, NODZU, and ROBINSON), 77.

$C_{20}H_{20}O_6$ 5-Hydroxy-3:6:7:3':4'-pentamethoxyflavone (BAKER, NODZU, and ROBINSON), 81.

7-Hydroxy-3:5:3':4'-pentamethoxyflavone (BAKER, NODZU, and ROBINSON), 79.

$C_{20}H_{24}O_{11}$ *O*-Tetra-acetyl- β -*p*-hydroxyphenylgalactoside (ROBERTSON), 1821.

$C_{20}H_{24}N_2$ *p*-Acetylphenylcyclohexane phenylhydrazone (MAYES and TURNER), 507.

20 III

$C_{20}H_{14}OS$ *iso*Naphthathioxin, synthesis of (COHEN and SMILES), 209.

$C_{20}H_{14}O_4N_4$ 2:3-Di-*m*-nitrophenylquinoxaline (BOON and NISBET), 1901.

$C_{20}H_{12}O_5N_6$ Bisdinitrobenzylidene-*o*-phenylenediamine (BENNETT and PRATT), 1467.

$C_{20}H_{12}Br_2S_2$ Di-1-bromonaphthyl 2-disulphide (COHEN and SMILES), 211.

$C_{20}H_{16}O_3N_2$ 2- γ -Phthalimidopropylisoquinolone (SESHADRI), 2959.

$C_{20}H_{14}O_4N_2$ 1- β -Phthalimidoethyl-6-methoxy-2-quinolone (SESHADRI), 2956.

$C_{20}H_{17}ON$ Benzophenyl-*m*-tolylamide (GIBSON and JOHNSON), 1475.

Benzoylphenyl-*o*-tolylamine (GIBSON and JOHNSON), 2748.

N-*o*-Tolylbenziminophenyl ether (GIBSON and JOHNSON), 2747.

N-*m*-Tolylbenziminophenyl ether (GIBSON and JOHNSON), 1475.

$C_{20}H_{17}O_4N$ 4-Nitropyrocatechol dibenzyl ether (BALABAN), 1092.

$C_{20}H_{17}O_4N_2$ Phenyl-di-*m*-nitrodibenzylamine (REILLY, DRUMM, and CREEDON), 644.

$C_{20}H_{16}O_3N_2$ Nitro-9-toluoyltetrahydrocarbazoles (PLANT and RUTHERFORD), 1973.

- C₂₀H₁₈O₄N₂** 1- γ -*o*-Carboxybenzamidopropyl-2-quinolone (SESHADRI), 2954.
2:5-Diketo-3:6-di-*o*-methoxybenzylidenepiperazine (DICKINSON and MARSHALL), 1496.
- C₂₀H₁₈O₅N₂** 1- β -*o*-Carboxybenzamidoethyl-6-methoxy-2-quinolone (SESHADRI), 2955.
- C₂₀H₁₉ON** 9-Toluoyltetrahydrocarbazoles (PLANT and RUTHERFORD), 1972.
- C₂₀H₁₉O₂N** 4-Aminopyrocatechol dibenzyl ether (BALABAN), 1092.
- C₂₀H₁₉O₂N₂** β -3-Acetylmethylamino-1-nitrosomethylamino-2-phenylnaphthalene (KENTISH), 1174.
- C₂₀H₂₀ON₂** β -3-Acetylmethylamino-1-methylamino-2-phenylnaphthalene (KENTISH), 1174.
- C₂₀H₂₀O₄N₂** 11-Nitro-9-*p*-toluoyl-10-hydroxyhexahydrocarbazole (PLANT and RUTHERFORD), 1973.
- C₂₀H₂₂O₆N₂** Nitro-3':4':5:6-tetramethoxy-1-benzyl-3:4-dihydroisoquinolines (CALLOW, GULLAND, and HAWORTH), 664.
- C₂₀H₂₃O₅N** Ethyl 4-methoxyphenyl-2:6-dimethylpyridine-3:5-dicarboxylates (HINKEL and MADEL), 752.
- C₂₀H₂₄O₂N₂** Succinodi- β -phenylethylamide (CHILD and PYMAN), 2014.
- C₂₀H₂₄O₇N₂** 6'-Nitro-3':4'-dimethoxyphenylaceto- β -2:3-dimethoxyphenylethylamide (CALLOW, GULLAND, and HAWORTH), 663.
- C₂₀H₂₅O₃N** Decahydronaphthalene-1:2-diacetanils (RAO), 1963, 1969.
- C₂₀H₂₅O₅N** Ethyl 4-methoxyphenyl-2:6-dimethyl-1:4-dihydropyridine-3:5-dicarboxylates (HINKEL and MADEL), 752.
- C₂₀H₂₇O₃N** Decahydronaphthalene-2:2-diacetanilic acids (RAO), 1963, 1968.
- C₂₀H₂₈IP** Phenylylethyl-di-(δ -methylamyl)phosphonium iodide (DAVIES, PEARSE, and JONES), 1268.
p-Tolyldi-(δ -methylamyl)phosphine methiodide (DAVIES, PEARSE, and JONES), 1268.

20 IV

- C₂₀H₁₃OBrs** 1-Bromo-2'-hydroxydinaphthyl 2:1'-sulphide (COHEN and SMILES), 212.
- C₂₀H₁₄O₂NBr** 3-Bromo-4-benzoylaminobenzophenone (WATERS), 2109.
- C₂₀H₁₄O₂NI** 3-Iodo-4-benzoylaminobenzophenone (WATERS), 2110.
- C₂₀H₁₇O₂N₂Br** γ -Phthalimidopropylquinolinium bromides (SESHADRI), 2954.
- C₂₀H₁₇O₃N₂Br** β -Phthalimidoethyl-6-methoxyquinolinium bromide (SESHADRI), 2954.
- C₂₀H₁₈O₃N₂Br** 8- β -Phthalimidoethylamino-6-methoxyquinoline hydrobromide (BALDWIN), 2962.
- C₂₀H₁₈O₄N₄Cu** Di- β -naphthylaminocupric nitrite (KING), 2597.
- C₂₀H₁₈O₆N₂S₂** Di-*p*-toluenesulphonnitroanilides (BELL), 2788.
- C₂₀H₂₀N₂Cl₂CO** Diquinaldinium cobaltous chloride (PERCIVAL and WARDLAW), 1508.
- C₂₀H₂₀N₂Br₂CO** Diquinaldinium cobaltous bromide (PERCIVAL and WARDLAW), 1509.
- C₂₀H₂₈O₂NBr** Di-[α -*p*-methoxyphenylethyl]dimethylammonium bromide (E. and E. STEDMAN), 614.

20 V

- C₂₀H₉O₁₅N₂S₈Na₈** Sodium 4-sulpho- α -naphthaleneazo-3:6:8-trisulpho- β -naphthyl sulphite (KING), 608.
- C₂₀H₁₀O₁₅N₂S₈Na₄** Sodium 4-sulpho- α -naphthaleneazodisulpho- β -naphthyl sulphites (KING), 608.
- C₂₀H₁₁O₉N₂S₆Na₆** Sodium α -naphthaleneazo-3:6-disulpho- β -naphthyl sulphite (KING), 608.
Sodium 4-sulpho- α -naphthaleneazo-6-sulpho- β -naphthyl sulphite (KING), 607.

$C_{20}H_{12}O_4N_2S_2Na_2$ Sodium α -naphthaleneazosulpho- β -naphthyl sulphites (KING), 607.

C₂₁ Group.

- $C_{21}H_{12}O_6$ 2-Benzoylanthragallol (PERKIN and STORY), 1411.
 $C_{21}H_{14}O_2$ Benzoxanthaspiropyran (IRVING), 1094.
 $C_{21}H_{14}O_3$ 6-Hydroxy-2:3-diphenylbenzo- γ -pyrone (BAKER and EASTWOOD), 2906.
 $C_{21}H_{14}O_4$ 5:7-Dihydroxy-2:3-diphenylbenzo- γ -pyrone (BAKER and EASTWOOD), 2901.
 $C_{21}H_{16}O_4$ Benzyl hydrogen diphenate (LE FEVRE), 737.
 $C_{21}H_{16}O_2$ Benzylidene-*l*-isohydrobenzoin (READ, CAMPBELL, and BARKER), 2314.
 $C_{21}H_{18}O_7$ 2-Ethylcarbonato-1:9-diacetylanthranol (PERKIN and STORY), 1418.
 $C_{21}H_{18}O_6$ 5:7-Diacetoxy-3':4'-dimethoxy-3-phenylcoumarin (BAKER), 1599.
 5:6-Diethylcarbonato-1-benzylidene coumaran-2-one (PERKIN and STORY), 1421.
 $C_{21}H_{16}N$ 2:3-Diphenyl-1:2:3:4-tetrahydroquinolines (PLANT and ROSSER), 1868.
 $C_{21}H_{22}O_6$ Hexamethoxymercatagetin (BAKER, NODZU, and ROBINSON), 81.
O-Hexamethylmercatagetin (BAKER, NODZU, and ROBINSON), 82.
 2-Methylirigenin 7:3'-dimethyl ether (BAKER and ROBINSON), 158.
 $C_{21}H_{22}N$ 9-Piperidinomethyl-2-methylantracene (BARNETT and GOODWAY), 1760.
 $C_{21}H_{22}O_3$ *l*-Menthyl hydroxynaphthoates (RULE, SPENCE, and BRETSCHER), 2522.
 $C_{21}H_{24}O_{11}$ *O*-Tetra-acetyl- β -*p*-anisylgalactoside (ROBERTSON), 1821.

21 III

- $C_{21}H_{11}O_4Br$ 1-Bromo-2-benzoyloxyanthraquinone (HARDACRE and PERKIN), 186.
 $C_{21}H_{11}O_4I$ 3-Iodo-2-benzoyloxyanthraquinone (HARDACRE and PERKIN), 189.
 $C_{21}H_{14}O_2N_2$ *N*-Benzoylisatin-2-anil (CALLOW and HOPE), 1195.
 Isatin-2-benzanilide (CALLOW and HOPE), 1198.
 $C_{21}H_{14}O_4N_4$ 2:3-Di-*m*-nitro-2:3-diphenyl-5-methylquinoxaline (BOON and NISBET), 1911.
 $C_{21}H_{14}O_5N_6$ Bisdinitrobenzylidene-3:4-tolylenediamine (BENNETT and PRATT), 1467.
 $C_{21}H_{14}O_3N_2$ *o*-Benzamidophenylglyoxylanilide (CALLOW and HOPE), 1196.
 $C_{21}H_{16}O_4N_2$ Diphthalimidoacetoxypropae (FAIRBOURNE and COWDREY), 133.
 $C_{21}H_{16}ON_2$ 2:3-Diphenyl-1:2:3:4-tetrahydroquinoline nitrosoamines (PLANT and ROSSER), 1868.
 $C_{21}H_{18}O_3N_2$ 5-Nitro-9-cinnamoyltetrahydrocarbazole (PLANT and RUTHERFORD), 1975.
 $C_{21}H_{18}O_4N_2$ Auiline *o*-benzamidophenylglyoxylate (CALLOW and HOPE), 1196.
 $\alpha\epsilon$ -Diphthalimidopentane (BALDWIN), 2963.
 1- γ -Phthalimidopropyl-6-methoxy-2-quinolone (SESHADRI), 2957.
 $C_{21}H_{19}ON$ Benzoylditolylamine (GIBSON and JOHNSON), 2748.
 9-Cinnamoyltetrahydrocarbazole (PLANT and RUTHERFORD), 1975.
N-Tolylbenziminotolyl ethers (GIBSON and JOHNSON), 2747.
 $C_{21}H_{19}O_2N_2$ 8- γ -Phthalimidopropyl-6-methylquinoline (BALDWIN), 2964.
 $C_{21}H_{19}O_3N_2$ 8- γ -Phthalimidopropylamino-6-methoxyquinoline (BALDWIN), 2963.
 $C_{21}H_{20}O_4N_2$ Anhydro- γ -*o*-carboxybenzamidopropyl-6-methoxyquinolinium hydr-oxide (+ 3H₂O) (SESHADRI), 2957.
 $C_{21}H_{20}O_5N_2$ 1- γ -*o*-Carboxybenzamidopropyl-6-methoxy-2-quinolone (SESHADRI), 2957.
 $C_{21}H_{20}NCl$ 2:3-Diphenyl-1:2:3:4-tetrahydroquinoline hydrochlorides (PLANT and ROSSER), 1868.

- $C_{21}H_{21}O_3N$ 9-Cinnamoyl-10:11-dihydroxyhexahydrocarbazole (PLANT and RUTHERFORD), 1975.
- $C_{21}H_{21}O_3P$ Ethyl hydrogen triphenylmethylphosphinate, and its silver salt (HATT), 2418.
- $C_{21}H_{21}Cl_2Sb$ Tribenzylstibine dichloride (CHALLENGER and PETERS), 2620.
- $C_{21}H_{21}ClSi$ Tri-*p*-tolylsiliclyl chloride (STEELE and KIPPING), 357.
- $C_{21}H_{22}OSi$ Tri-*p*-tolylsilicol (STEELE and KIPPING), 357.
- $C_{21}H_{22}O_2N_2$ Strychnine (PERKIN and ROBINSON), 964.
- $C_{21}H_{22}O_8N_2$ Ethyl di-(3-nitrobenzyl)malonate (GULLAND, HAWORTH, and VIRDEN), 1671.
- $C_{21}H_{22}NBr$ 10-Bromo-9-piperidinomethylmethylantracenes (BARNETT and GOODWAY), 1760.
- $C_{21}H_{23}O_2Sb$ Tribenzylstibine dihydroxide (CHALLENGER and PETERS), 2620.
- $C_{21}H_{23}O_5N_3$ 1- α -Cyano-2'-nitro-3':4'-dimethoxybenzyl-6-methoxy-2-methyltetrahydroisoquinoline (GULLAND and VIRDEN), 1799.
- $C_{21}H_{24}ON_2$ Strychnidine, action of hydriodic acid on, and its salts (PERKIN and ROBINSON), 964.
- $C_{21}H_{24}O_2N_2$ Dihydrostrychnine, and its salts (PERKIN and ROBINSON), 981.
Oxydihydrostrychnidine (A) (PERKIN and ROBINSON), 985.
- $C_{21}H_{24}O_4N_4$ 4:4'-Di(cyanomethylamino)-2:5:2':5'-tetramethoxydiphenylmethane (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2929.
- $C_{21}H_{25}O_2Cl$ *l*-Menthyl chloronaphthoates (RULE, SPENCE, and BRETSCHER), 2521.
- $C_{21}H_{25}O_4N$ *l*-Menthyl nitronaphthoates (RULE, SPENCE, and BRETSCHER), 2520.
Tetramethoxyaporphines (CALLOW, GULLAND, and HAWORTH), 658.
- $C_{21}H_{26}ON_2$ Dihydrostrychnidines, and their salts (PERKIN and ROBINSON), 964.
- $C_{21}H_{26}O_2N_2$ Glutarodi- β -phenylethylamide (CHILD and PYMAN), 2015.
- $C_{21}H_{26}O_3N_2$ Dihydrostrychnic acid, and its hydrochloride (PERKIN and ROBINSON), 984.
- $C_{21}H_{26}O_6N_2$ Dioxidihydrostrychnic acid (PERKIN and ROBINSON), 984.
- $C_{21}H_{26}O_4N_2$ Amino-3':4':5:6-tetramethoxy-1-benzyl-2-methyltetrahydroisoquinolines (CALLOW, GULLAND, and HAWORTH), 665.
- $C_{21}H_{26}O_4N_4$ 3:5:6-Trimethyl glucose osazone (ANDERSON, CHARLTON, HAWORTH, and NICHOLSON), 1335.

21 IV

- $C_{21}H_{17}O_2NS$ 1-*p*-Toluidino-4-methoxythioxanthone (ROBERTS and SMILES), 869.
- $C_{21}H_{18}O_7N_2P$ Tri-*p*-nitrotribenzylphosphine oxide (CHALLENGER and PETERS), 2614.
- $C_{21}H_{18}O_7N_3As$ Tri-*p*-nitrotribenzylarsine oxide (CHALLENGER and PETERS), 2619.
- $C_{21}H_{19}O_3N_2Br$ γ -Phthalimidopropyl-6-methoxyquinolinium bromide (SESHADRI), 2956.
- $C_{21}H_{19}O_{10}N_4As$ Tri-*p*-nitrotribenzylarsine hydroxynitrate (CHALLENGER and PETERS), 2619.
- $C_{21}H_{20}O_2CIP$ Ethyl triphenylmethylchlorophosphinate (HATT), 2419.
- $C_{21}H_{21}O_3NS$ *O-p*-Toluenesulphonyl-*dl*-isodiphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2312.
- $C_{21}H_{21}O_3CITe$ Trihydroxytrimethyltriphenyltelluronium chlorides (MORGAN and BURGESS), 2217.
- $C_{21}H_{21}O_4Cl_3Te_2$ Tri-2-hydroxytri-5-methyltriphenyltelluronium tellurium oxychloride (MORGAN and BURGESS), 2216.
- $C_{21}H_{25}O_8N_2I$ Nitro-3':4':5:6-tetramethoxy-1-benzyl-3:4-dihydroisoquinoline methiodides (CALLOW, GULLAND, and HAWORTH), 664.

C₂₂ Group.

- $C_{22}H_{18}$ 9-Benzylmethylantracenes (BARNETT and GOODWAY), 1760.

22 II

- $C_{22}H_{14}O_8$ 2-Benzoylanthragallol 3-methyl ether (PERKIN and STORY), 1413.
 $C_{22}H_{16}O_8$ 7-Hydroxy-3-phenyl-4-benzylcoumarin (BAKER and EASTWOOD), 2906.
 $C_{22}H_{16}O_4$ 5-Hydroxy-7-methoxy-2:3-diphenylbenzo- γ -pyrone (BAKER and EASTWOOD), 2902.
 7-Hydroxyphenyl-*p*-methoxyphenylbenzo- γ -pyrones (BAKER and EASTWOOD), 2903.
 $C_{22}H_{16}O_5$ 5:7-Dihydroxy-2-phenyl-3-*p*-methoxyphenylbenzo- γ -pyrone (BAKER and EASTWOOD), 2903.
 $C_{22}H_{17}Br$ 10-Bromo-9-benzylmethylantracenes (BARNETT and GOODWAY), 1761.
 $C_{22}H_{19}N$ 9-Anilinomethyl-2-methylantracene (BARNETT and GOODWAY), 1760.
 $C_{22}H_{21}Cl$ Di-*p*-tolyl-*o*-tolylchloromethane (HATT), 1630.
 $C_{22}H_{22}O_4$ 2:6-Dibenzoyloxy-1:4-dimethoxybenzene (BAKER, NODZU, and ROBINSON), 78.
 $C_{22}H_{24}O_5$ 2-Methylirigenin trimethyl ether (BAKER and ROBINSON), 159.
 $C_{22}H_{25}O_2$ *l*-Menthyl 2-methyl-1-naphthoate (RULE, SPENCE, and BRETSCHER), 2522.
 $C_{22}H_{42}O_3$ Acid, from cutin, and its silver salt (LEGG and WHEELER), 2446.

22 III

- $C_{22}H_{14}O_5N_4$ Dehydroacetophenone-*mm'*-dinitrobenzil (BOON and NISBET), 1902.
 $C_{22}H_{14}NBr$ 10-Bromo-9-anilinomethyl-2-methylantracene (BARNETT and GOODWAY), 1760.
 $C_{22}H_{16}O_3N_2$ 4-Salicylideneamino-4'-malonylanimidodiphenyl (LE FEVRE), 735.
 $C_{22}H_{18}O_5S$ Toluene-*p*-sulphonyl-1-benzylidene coumaran-2-one (PERKIN and STORY), 1421.
 $C_{22}H_{18}O_7S$ Toluene-*p*-sulphonylanthragallol 1-methyl ether (PERKIN and STORY), 1417.
 $C_{22}H_{17}O_8N_3$ 2:6-Di-*p*-nitrobenzoyloxy-3-*isopropyl*pyridine (GIBSON and SIMONSEN), 1078.
 $C_{22}H_{18}O_6N_3$ 2:5-Diketo-3:6-diacetoxybenzylidene piperazines (DICKINSON and MARSHALL), 1495.
 $C_{22}H_{20}OCl_2$ $\alpha\gamma$ -Dichlorohydrin triphenylmethyl ether (FAIRBOURNE and COWDREY), 135.
 $C_{22}H_{21}O_3N_3$ 8- γ -Phthalimidopropylamino-6-ethoxyquinoline (BALDWIN), 2964.
 $C_{22}H_{22}O_4N_2$ 2:5-Diketo-3:6-di-*o*-ethoxybenzylidene piperazine (DICKINSON and MARSHALL), 1496.
 $C_{22}H_{23}O_7N_3$ Anhydrocotarnine-2-nitro-3:4-dimethoxyphenylacetone nitrile (GULLAND and VIRDEN), 1798.
 $C_{22}H_{25}O_6N_3$ Anhydrolaudaline-2-nitro-3:4-dimethoxyphenylacetone nitrile (GULLAND and VIRDEN), 1798.
 $C_{22}H_{26}ON_2$ Methyl- ψ -strychnidine, and its salts (PERKIN and ROBINSON), 995.
 $C_{22}H_{26}O_2N_2$ Dibenzoyl- γ -tetramethylpiperazine (KIPPING), 2896.
 $C_{22}H_{26}O_2N_2$ Adipodi- β -phenylethylamide (CHILD and PYMAN), 2015.
 $C_{22}H_{26}O_6N_2$ Oxalodi- β -veratrylethylamide (CHILD and PYMAN), 2015.
 $C_{22}H_{29}O_9N$ Tetra-acetylglucosidylbenzylmethylamide, and its hydrochloride (BAKER), 1207.
 $C_{22}H_{33}O_2N_2$ Methoxytetrahydrostrychnidine (PERKIN and ROBINSON), 993.

22 IV

- $C_{22}H_{15}O_2BrS$ 1-Bromo-2'-acetoxydinaphthyl 2:1'-sulphide (COHEN and SMILES), 212.
 $C_{22}H_{22}N_2IS$ *p*-Dimethylaminoanis of naphthathiazole-2-aldehyde ethiodides (HAMER), 2607.

$C_{22}H_{28}O_9NCl$ Tetra-acetylglucosidyl-*p*-chlorobenzylmethylamide, and its hydrochloride (BAKER), 1207.

$C_{22}H_{30}O_4N_2S_2$ Di-*p*-toluenesulphonyltetramethylpiperazines (KIPPING), 2894.

C₂₃ Group.

$C_{23}H_{14}O_7$ Benzoylacetylantfragallol (PERKIN and STORY), 1410.

$C_{23}H_{16}O_3$ 7-Hydroxy-3-phenyl-2-styrylbenzo γ -pyrone (BAKER and EASTWOOD), 2901.

$C_{23}H_{18}O_4$ 5:7-Dihydroxy-3-phenyl-2-styrylbenzo- γ -pyrone (BAKER and EASTWOOD), 2902.

$C_{23}H_{16}O_6$ 1-Benzoylanthragallol 2:3-dimethyl ether (PERKIN and STORY), 1411.

$C_{23}H_{18}O_3$ 7-Hydroxy-3:4-dibenzylcoumarin (BAKER and EASTWOOD), 2906.

7-Methoxy-3-phenyl-4-benzylcoumarin (BAKER and EASTWOOD), 2906.

$C_{23}H_{18}O_5$ 7-Hydroxy-2:3-di-*p*-methoxyphenylbenzo- γ -pyrone (BAKER and EASTWOOD), 2904.

7-Hydroxy-3-phenyl-2-(3:4-dimethoxyphenyl)benzo- γ -pyrone (BAKER and EASTWOOD), 2904.

$C_{23}H_{24}O_9$ Acetyl derivative of 2-methylirigenin 7:3'-dimethyl ether (BAKER and ROBINSON), 158.

$C_{23}H_{32}O_8$ Ethyl δ -4-methoxy-2:5-dimethylbenzoylbutane- $\beta\beta\gamma$ -tricarboxylate (CLEMO, HAWORTH, and WALTON), 2385.

23 III

$C_{23}H_{17}O_4N$ α -*o*-Carboxybenzamido- $\beta\beta$ -diphenylpropionic anhydride (HARINGTON and MCCARTNEY), 896.

$C_{23}H_{20}O_3N_2$ 2-Benzamidophenylglyoxylo- β -phenylethylamide (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1672.

$C_{23}H_{21}O_2N$ Acetylbenzylidene-*dl*-isodiphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2311.

$C_{23}H_{22}O_4N_2$ *p*-Phenylethylamine 2-benzamidophenylglyoxylate (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1672.

$C_{23}H_{25}O_3N_3$ 8-(ϵ -Phthalimido-*n*-amylamino)-6-methoxyquinoline (BALDWIN), 2964.

$C_{23}H_{24}O_2N_4$ $\alpha\gamma$ -Di-(6-methoxy-8-quinolylamino)propane (BALDWIN), 2962.

$C_{23}H_{26}O_4N_2$ Brucine (PERKIN and ROBINSON), 964.

$C_{23}H_{28}O_9N_2$ Tetra-acetylglucosidyl-*p*-cyanobenzylmethylamide (BAKER), 1207.

$C_{23}H_{30}O_3N_3$ Pimelodi- β -phenylethylamide (CHILD and PYMAN), 2015.

$C_{23}H_{26}O_3N_2$ Formylmethoxytetrahydrostrychnidine (PERKIN and ROBINSON), 992.

$C_{23}H_{31}O_9N$ Tetra-acetylglucosidyl-*p*-methylbenzylmethylamide, and its hydrochloride (BAKER), 1207.

$C_{23}H_{32}O_2N_2$ Methoxymethyltetrahydrostrychnidine (B), and its salts (PERKIN and ROBINSON), 986.

23 IV

$C_{23}H_{19}N_2IS$ Dimethylbenzthio- ψ -cyanine iodides (HAMER), 2603.

$C_{23}H_{23}O_4NS$ *N*-Acetyl-*O*-*p*-toluenesulphonyl-*dl*-isodiphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2312.

$C_{23}H_{23}N_2IS$ *p*-Dimethylaminostyrylnaphthathiazole ethiodides (HAMER), 2606.

C₂₄ Group.

$C_{24}H_{16}O_4$ Naphthyl hydrogen diphenates (LE FEVRE), 737.

$C_{24}H_{16}O_7$ Benzoylacetylantfragallol methyl ethers (PERKIN and STORY), 1411.

$C_{24}H_{18}O_4$ 7-Hydroxy-3-*p*-methoxyphenyl-2-styrylbenzo- γ -pyrone (BAKER and EASTWOOD), 2903.

- $C_{21}H_{20}O_2$ 3'-*iso*Propylbenzo- β -naphthaspiropyran (HREILBRON and IRVING), 941.
 $C_{21}H_{20}O_3$ 7-Methoxy-3:4-dibenzylcoumarin (BAKER and EASTWOOD), 2907.
 $C_{21}H_{20}O_5$ 7-Methoxy-3-phenyl-2-(3:4-dimethoxyphenyl)benzo- γ -pyrone (BAKER and EASTWOOD), 2905.
 $C_{24}H_{20}O_8$ Syringetin 4-benzyl ether (HEAP and ROBINSON), 72.
 $C_{24}H_{22}O_{11}$ *O*-Triacetylmyricetin 3':4':5'-trimethyl ether (HEAP and ROBINSON), 70.
 $C_{24}H_{28}O_2$ Bis(styryl-*n*-propyl ketone) (HEILBRON and IRVING), 933.
 $C_{24}H_{38}O_{10}$ Tetra-acetyl- β -1-menthylgalactoside (ROBERTSON), 1822.

24 III

- $C_{24}H_{14}O_8N_6$ 7-Azoxy- δ -carboline-3-carboxylic acid (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2941.
 $C_{24}H_{16}O_2N_6$ 2:2'-Di-(2''-4''-dinitrophenylamino)diphenyl (LE FEVRE), 737.
 $C_{24}H_{20}O_4N_4$ α -Cyano-2-nitro-3:4-dimethoxy-2'-aldehydostilbene phenylhydrazone (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1674.
 $C_{24}H_{22}N_4As_2$ 3:3'-Diamino-4:4'-dianilinoarsenobenzene (BARBER), 475.
 $C_{24}H_{24}O_4N_2$ $\alpha\delta$ -Bis-(6:7-methylenedioxy-3:4-dihydro*iso*quinolyl-1-)butane, and its salts (CHILD and PYMAN), 2020.
 $C_{24}H_{28}O_8N_2$ Adipodi- β -piperonylethylamide (CHILD and PYMAN), 2016.
 $C_{24}H_{32}O_2N_2$ Suberodi- β -phenylethylamide (CHILD and PYMAN), 2015.
 $C_{24}H_{32}O_6N_2$ Succinodi- β -veratrylethylamide (CHILD and PYMAN), 2015.

24 IV

- $C_{24}H_{19}O_8N_3S_3$ Di-*p*-toluenesulphon-1:8-dinitro- β -naphthalide (BELL), 2789.
 $C_{24}H_{20}O_8P_2Ba$ Barium diphenyl phosphate (PLIMMER and BURCH), 296.
 $C_{24}H_{21}N_2IS$ Methylenebenzthio- ψ -cyanine iodides (HAMER), 2603.

 C_{25} Group.

- $C_{25}H_{16}O_3$ Xantha- β -naphthaspiropyran (IRVING), 1094.
 $C_{25}H_{20}O_3$ 3:4:5-Trihydroxytetraphenylmethane (HARDY), 1005.
 $C_{25}H_{22}O_3$ Ketone, from *o*-methoxybenzaldehyde and benzyl methyl ketone (HEILBRON and IRVING), 941.
 $C_{25}H_{22}O_{12}$ Tetra-acetylsyringetin (HEAP and ROBINSON), 73.

25 III

- $C_{25}H_{15}O_8N_5$ Tetranitro-2:4-distyrylquinoline (BENNETT and PRATT), 1467.
 $C_{25}H_{19}OCl$ 3-Chloro-4-hydroxytetraphenylmethane (HARDY), 1006.
 $C_{25}H_{19}OBr$ 3-Bromo-4-hydroxytetraphenylmethane (HARDY), 1007.
 $C_{25}H_{19}O_6N_3$ α -Cyano-2-nitro-3:4-dimethoxy-2'-*m*-carboxyphenyliminomethylstilbene (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1674.
 $C_{25}H_{21}O_6N$ α -*o*-Carboxybenzamido- $\beta\beta$ -di-(4-methoxyphenyl)propionic anhydride (HARINGTON and McCARTNEY), 894.
 $C_{25}H_{23}OP$ Triphenylbenzylphosphonium hydroxide, and its salts (FENTON and INGOLD), 2353.
 $C_{25}H_{23}O_4N_3$ Substance, from α -cyano-2-nitro-3:4-dimethoxy-2'-*m*-carboxyphenyliminomethylstilbene, ferrous sulphate and ammonia (GULLAND, HAWORTH, VIRDEN, and CALLOW), 1675.
 $C_{25}H_{29}O_2N$ *d*-*iso*-Diphenylhydroxyethylamino-*d*-methylenecamphor (READ, CAMPBELL, and BARKER), 2312.
 $C_{25}H_{30}O_4N_2$ Base, and its salts, from glutarodi- β -veratrylethylamide and phosphorus oxychloride (CHILD and PYMAN), 2020.
 $C_{25}H_{34}O_2N_2$ Azelaodi- β -phenylethylamide (CHILD and PYMAN), 2015.
 $C_{25}H_{34}O_6N_2$ Glutarodi- β -veratrylethylamide (CHILD and PYMAN), 2015.

25 IV

- $C_{25}H_{23}O_2N_2S$ Nitroso-*p*-toluenesulphonyl- β' -*NN'*-dimethyl-2-phenylnaphthylene-1:3-diamine (KENTISH), 1174.
 $C_{25}H_{23}N_2IS$ Diethylbenzthio- ψ -cyanine iodides (HAMER), 2604.

 C_{26} Group.

- $C_{26}H_{14}N_2$ 13:14-(*oo'*-Diphenylene)dibenzoc-12:15-diazine (LE FÈVRE), 736.
 $C_{26}H_{16}O_2$ 3'-Methylxantha- β -naphthaspiropyran (IRVING), 1095.
 $C_{26}H_{21}Cl$ 4-Chloro-3-methyltetraphenylmethane (HARDY), 1009.
 $C_{26}H_{22}N_2$ Diphenyl-*p*-tolylbenzenylamidines (CHAPMAN), 2136.
 $C_{26}H_{32}O_2$ Bis(styryl butyl ketones) (HEILBRON and IRVING), 933.
 $C_{26}H_{30}O_2$ Ethyl ester of acid, $C_{22}H_{48}O_3$ (LEGG and WHEELER), 2446.

26 III

- $C_{26}H_{14}N_2Br_2$ 3:8-Dibromo-13:14-(*oo'*-diphenylene)dibenzoc-12:15-diazine (LE FÈVRE), 737.
 $C_{26}H_{17}O_6N_7$ Bisdinitrobenzylidene-4:4'-diaminodiphenylamine (BENNETT and PRATT), 1467.
 $C_{26}H_{16}O_6N_2$ Diphthalimidobenzoyloxypropane (FAIRBOURNE and COWDREY), 134.
 $C_{26}H_{18}O_2N$ *d*-Diphenyl- α - and - β -naphthils (WREN and WRIGHT), 137.
 $C_{26}H_{20}O_2N_2$ 2:2'-Disalicylideneaminodiphenyl (LE FÈVRE), 736.
 $C_{26}H_{20}O_2Cl_2$ *s*-2:2'-Dichlorobenzpinacol (HATT), 1628.
 $C_{26}H_{20}O_6N_4$ Substance, from benzidine and *mm'*-dinitrobenzyl (BOON and NISBET), 1302.
 $C_{26}H_{21}O_3N$ Diphenylsuccin-naphthylamic acids (WREN and WRIGHT), 136, 140.
 $C_{26}H_{24}O_4N_2$ Tetramethylene glycol bis- α -naphthylurethane (BENNETT and HEATH-COAT), 272.
 $C_{26}H_{31}O_7N_3$ Di-(2:5-dimethoxyanilino)aceto-2:5-dimethoxyanilide (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2927.
 $C_{24}H_{32}O_4N_2$ $\alpha\delta$ -Bis-(6:7-dimethoxy-3:4-dihydroisoquinolyl-1-)butane, and its salts (CHILD and PYMAN), 2016.
 $C_{26}H_{36}O_2N_2$ Sebacodi- β -phenylethylamide (CHILD and PYMAN), 2015.
 $C_{26}H_{36}O_4N_2$ $\alpha\delta$ -Bis-(6:7-dimethoxytetrahydroisoquinolyl-1-)butane, and its salts (CHILD and PYMAN), 2017.
 $C_{26}H_{36}O_6N_2$ Adipodi- β -veratrylethylamide (CHILD and PYMAN), 2016.

26 IV

- $C_{26}H_{16}O_2N_2Br$ Dibromo-2:2'-disalicylidencaminodiphenyls (LE FÈVRE), 736.
 $C_{26}H_{24}N_2Cl_2Te$ 4:4'-Diphenyldimethyldiaminodiphenyl telluridichloride (MORGAN and BURGESS), 1105.

 C_{27} Group.

- $C_{27}H_{16}O_2$ 3-Phenylbenzo- β -naphthaspiropyran (HEILBRON and IRVING), 940.
 $C_{27}H_{20}O$ 9-Benzhydrylanthrone (BARNETT and GOODWAY), 813.
 $C_{27}H_{25}O_{14}$ Hexa-acetylquercetagenin (BAKER, NODZU, and ROBINSON), 83.
 $C_{27}H_{24}O$ 2:6-Dibenzylphenyl benzyl ether (SHORT and STEWART), 555.
 4-Ethoxytetraphenylmethane (HARDY), 1004.
 $C_{27}H_{24}O$ 1:2:3-Tribenzyloxybenzene (BAKER, NODZU, and ROBINSON), 77.
 $C_{27}H_{26}O_{12}$ Tetra-acetyl- β -glucosidoxyanthones (ROBERTSON and WATERS), 2240.
 $C_{27}H_{26}O_{13}$ Tetra-acetyl-7- β -glucosidoxy-1-hydroxyxanthone (ROBERTSON and WATERS), 2241.
 $C_{27}H_{26}O_{14}$ 7-*O*-Tetra-acetyl- β -glucosidoxy-1-acetoxyxanthone (ROBERTSON and WATERS), 2242.

- C₂₇H₄₂O** Ergosta-dienones (HEILBRON, JOHNSTONE, and SPRING), 2254.
Ergosterol, isomerides of (HEILBRON, SEXTON, and SPRING), 926; acetylation and catalytic hydrogenation of (HEILBRON and SEXTON), 921.
- C₂₇H₄₄O** Dihydroergosterols, isomeric (HEILBRON, JOHNSTONE, and SPRING), 2248.
Zymosterol, isolation of (HEILBRON and SEXTON), 2255.
- C₂₇H₄₆O** Dihydrozymosterol (HEILBRON and SEXTON), 2257.

27 III

- C₂₇H₁₈OCl₂** 1:5-Dichloro-9-benzhydrylanthrone (BARNETT and GOODWAY), 21.
- C₂₇H₂₁O₂N₃** *o*-Benzamidophenylglyoxylanilideanil (CALLOW and HOPE), 1198.
- C₂₇H₂₆O₄N₂** Pentamethylene glycol bis- α -naphthylurethane (BENNETT and HEATH-COAT), 273.
- C₂₇H₂₉O₃N₃** *m*-Diethylaminophenolcinchomeronein (TEWARI), 1643.
- C₂₇H₃₅O₂N₂** 2-Carboxy-*trans*-decahydronaphthalene-2-acet-*p*-toluidide (RAO), 1966.
- C₂₇H₃₄O₄N₂** $\alpha\epsilon$ -Bis-(6:7-dimethoxy-3:4-dihydroisoquinolyl-1-)pentane, and its salts (CHILD and PYMAN), 2018.
- C₂₇H₃₅O₂N₂** Nonanc-1:9-dicarboxydi- β -phenylethylamide (CHILD and PYMAN), 2015.
- C₂₇H₃₆O₄N₂** $\alpha\epsilon$ -Bis-(6:7-dimethoxytetrahydroisoquinolyl-1-)pentane hydrochloride (CHILD and PYMAN), 2019.
- C₂₇H₃₆O₆N₂** Pimelodi- β -veratrylethylamide (CHILD and PYMAN), 2016.
- C₂₇H₄₇O₄P** Cholesteryl dihydrogen phosphate, and its barium salt (PLIMMER and BURCH), 282, 296.

27 IV

- C₂₇H₂₁N₂I₂** Dimethylidibenzthiocarboyanine iodides (HAMER), 2604.

C₂₈ Group.

- C₂₈H₁₈** *iso*Dianthranyl (BARNETT and GOODWAY), 814.
- C₂₈H₂₂** 10-Benzhydryl-9-methylantracene (BARNETT and GOODWAY), 1757.

28 II

- C₂₈H₁₈O₄** 2:2'-Dihydroxy-1:1'-dianthranolyl (HARDACRE and PERKIN), 187.
- C₂₈H₂₂O₂** 3'-*iso*Propylidi- β -naphthaspiropyran (HEILBRON and IRVING), 942.
- C₂₈H₂₄O** 13-Benzhydryl-9-methyl-9:10-dihydroanthranol-9 (BARNETT and GOODWAY), 1757.
- Diphenyldi-*o*-tolylpinacolin (HATT), 1632.
- o*-Tolnoyldiphenyl-*o*-tolylmethane (HATT), 1632.
- C₂₈H₂₆O** 4-Ethoxy-3-methyltetraphenylmethane (HARDY), 1009.
- C₂₈H₂₆O₃** 3:4:5-Trimethoxytetraphenylmethane (HARDY), 1005.
- C₂₈H₂₆O₈** 5-Hydroxy-6:7:3':4':5'-pentamethoxy-2-styryliso flavone (BAKER and ROBINSON), 159.
- C₂₈H₂₈O₁₃** 7-*O*-Tetra-acetyl- β -glucosidoxy-1-methoxyxanthone (ROBERTSON and WATERS), 2243.

28 III

- C₂₈H₁₆O₄I₂** 2:2'-Di-iodo-3:3'-dihydroxydianthrone (HARDACRE and PERKIN), 1190.
- C₂₈H₂₂O₉S₂** 2:3-Ditoluene-*p*-sulphonylanthragallol (PERKIN and STORY), 1417.
- C₂₈H₂₄O₆N₄** Substance, from *mm'*-dinitrobenzil and *o*-tolidine (BOON and NISBET), 1902.
- C₂₈H₂₆O₆N** Ethyl diphenylmethylphthalimidomalonate (HARINGTON and MCCARTNEY), 896.
- C₂₈H₂₆O₂N₂** Decahydronaphthalenc-2:2-diaceto-*p*-toluidides (RAO), 1962, 1969.
Benzylidenestrychnine (PERKIN and ROBINSON), 998.
- C₂₈H₂₈O₂N₂** Benzylidenedihydrostrychnine (PERKIN and ROBINSON), 982.

- $C_{28}H_{30}O_{10}N_4$ 2'-Nitro-3'-4'-dimethoxyphenylaceto- β -3-(2''-nitro-3'''-4'''-dimethoxyphenylacetamido)phenylethylamide (GULLAND, HAWORTH, and VIRDEN), 1672.
- $C_{28}H_{40}O_2N_2$ Decane-1:10-dicarboxydi- β -phenylethylamide (CHILD and PYMAN), 2015.
- $C_{28}H_{40}O_4N_2$ α 3-Bis-(6:7-dimethoxy-2-methyltetrahydroisoquinolyl-1)butane, and its hydrochloride (CHILD and PYMAN), 2018.
- $C_{28}H_{40}O_6N_2$ Suberodi- β -veratrylethylamide (CHILD and PYMAN), 2016.
- $C_{28}H_{43}ON_3$ Ergosta-dienone semicarbazones (HEILBRON, JOHNSTONE, and SPRING), 2254.

28 IV

- $C_{28}H_{25}N_2IS_2$ 2:2':8-Trimethyl-5:6:5':6'-dibenzthiocarbocyanine iodide (HAMER), 2606.
- $C_{28}H_{25}O_3NS$ *O-p*-Toluenesulphonylbenzylidene-*dl*-isodiphenylhydroxyethylamines (READ, CAMPBELL, and BARKER), 2312.
- $C_{28}H_{25}O_2N_6As_2$ 3:3'-Diamino-4:4'-di-*p*-acetamidoanilinoarsenobenzene (BARBER), 475.

 C_{29} Group.

- $C_{29}H_{22}O$ Triphenylmethylnaphthols (HARDY), 1006.
- $C_{29}H_{26}O_{11}$ *O*-2:4-Dimethoxybenzoyl-*O*-acetylmorin 3:2':4'-trimethyl ether (ROBINSON and VENKATARAMAN), 64.
- $C_{29}H_{26}O$ 4-Hydroxy-2-methyl-5-*isopropyl*tetraphenylmethane (HARDY), 1006.
- $C_{29}H_{30}O_2$ 3'-Octylbenzo- β -naphthaspiropyran (HEILBRON and IRVING), 942.
- $C_{29}H_{44}O_2$ Ergosterol acetates (HEILBRON and SEXTON), 925; (HEILBRON, JOHNSTONE, and SPRING), 2253; (HEILBRON and SPRING), 2809.
- $C_{29}H_{44}O_2$ Dihydroergosterol acetates (HEILBRON, JOHNSTONE, and SPRING), 2252; (HEILBRON and SPRING), 2809.
- Zymosterol acetate (HEILBRON and SEXTON), 2256.
- $C_{29}H_{46}O_2$ Dihydrozymosterol acetate (HEILBRON and SEXTON), 2257.
- $C_{29}H_{50}O$ Cholesteryl ethyl ether (PLIMMER and BURCH), 296.

29 III

- $C_{29}H_{22}O_9S_2$ Ditoluene-*p*-sulphonyl-1-benzylidene coumaran-2-one (PERKIN and STORY), 1420.
- $C_{29}H_{25}O_5N$ 5-Nitro-1:2:3-tribenzyloxybenzene (BAKER, NODZU, and ROBINSON), 77.
- $C_{29}H_{25}O_{11}N_4$ 2'-Nitro-3'-4'-dimethoxyphenylaceto- β -3-(2''-nitro-3'''-4'''-dimethoxyphenylacetamido)-4-methoxyphenylethylamide (CALLOW, GULLAND, and HAWORTH), 1454.
- $C_{29}H_{34}O_2N_2$ Methoxybenzylidihydrostrychnidine (PERKIN and ROBINSON), 1000.
- $C_{29}H_{36}O_2N_2$ Methoxybenzyltetrahydrostrychnidine (PERKIN and ROBINSON), 991.
- $C_{29}H_{42}O_6N_2$ Azelaodi- β -veratrylethylamide (CHILD and PYMAN), 2016.
- $C_{29}H_{46}OS_2$ Methyl cholesteryl xanthate (BOSE and DORAN), 2246.

29 IV

- $C_{29}H_{26}N_2BrS_2$ 2:2'-Diethyl-5:6:5':6'-dibenzthiocarbocyanine bromide (HAMER), 2605.
- $C_{29}H_{26}N_2IS_2$ Diethyldibenzthiocarbocyanine iodides (HAMER), 2605.

 C_{30} Group.

- $C_{30}H_{26}O_{11}$ Triacetylsyringetin 4'-benzyl ether (HEAP and ROBINSON), 72.
- $C_{30}H_{30}O_2$ Di-*p*-tolyl di-*o*-tolyl pinacol (HATT), 1631.
- $C_{30}H_{46}O_2$ Bis(styryl hexyl ketones) (HEILBRON and IRVING), 935.

30 III

- $C_{20}H_{22}O_4N$ Ethyl di-(4-methoxyphenyl)methylphthalimidomalonate (HARRINGTON and McCARTNEY), 893.
 $C_{30}H_{30}O_4N_2$ Benzylidenebrucine, and its hydrochloride (PERKIN and ROBINSON), 998.
 $C_{30}H_{40}O_4N_2$ $\alpha\theta$ -Bis-(6:7-dimethoxy-3:4-dihydroisoquinolyl-1)-octane, and its salts (CHILD and PYMAN), 2020.
 $C_{30}H_{44}O_6N_2$ Sebacodi- β -veratrylethylamide (CHILD and PYMAN), 2016.

30 IV

- $C_{30}H_{27}N_2IS_2$ 8-Methyl-2:2'-diethyl-5:6-5':6'-dibenzthiocarbocyanine iodide (HAMER), 2606.

C₃₁ Group.

- $C_{31}H_{24}O$ Diphenyl-4-hydroxytriphenylmethano (HARDY), 1009.

31 III

- $C_{31}H_{25}O_2N$ Dibenzylphenol- α -naphthylurethanes (SHORT and STEWART), 555.
 $C_{31}H_{41}O_6N_2$ Nonane-1:9-dicarboxydi- β -veratrylethylamide (CHILD and PYMAN), 2016.

C₃₂ Group.

- $C_{32}H_{18}O_6$ Diacetoxydianthraquinonyls (HARDACRE and PERKIN), 186, 189.
 $C_{32}H_{22}O_5$ 5-Hydroxy-7-cinnamoyloxy-3-phenyl-2-styrylbenzo- γ -pyrone (BAKER and EASTWOOD), 2902.
 $C_{32}H_{30}O_9$ *O*-Benzylsyringic anhydride (HEAP and ROBINSON), 71.
 $C_{32}H_{44}O_2$ Bis-(4-isopropyl styryl isobutyl ketone) (HEILBRON and IRVING), 934.
 Bis(styryl *n*-heptyl ketone) (HEILBRON and IRVING), 935.
 $C_{32}H_{44}O_4$ Bis-(4-methoxystyryl *n*-hexyl ketone) (HEILBRON and IRVING), 935.

32 III

- $C_{32}H_{16}O_6I_2$ 3:3'-Di-iodo-2:2'-diacetoxyhelianthrone (HARDACRE and PERKIN), 184.
 $C_{32}H_{34}O_2N_6$ 2:3-Dimethylnaphthaquinoxaline (HENDERSON), 468.
 $C_{32}H_{48}O_6N_2$ Dacane-1:10-dicarboxydi- β -veratrylethylamide (CHILD and PYMAN), 2016.
 $C_{32}H_{67}O_4P$ Dicetyl hydrogen phosphate, metallic salts (PLIMMER and BURCH), 281.

32 IV

- $C_{32}H_{46}O_3ClP$ Dicetylphosphoryl chloride (PLIMMER and BURCH), 281.

C₃₃ Group.

- $C_{33}H_{22}O_6$ 4:4'-Dihydroxy-3:3'-dimethoxydianthrone (PERKIN and STORY), 1419.
 $C_{33}H_{24}O_6$ 7-Cinnamoyloxy-3-*p*-methoxyphenyl-2-styrylbenzo- γ -pyrone (BAKER and EASTWOOD), 2903.
 $C_{33}H_{26}O$ 9-Phenyl-10-benzhydryl-9:10-dihydroanthranol-9 (BARNETT and GOODWAY), 1757.
 $C_{33}H_{32}O_2$ 3'-Octyldi- β -naphthaspiropyran (HEILBRON and IRVING), 943.

33 III

- $C_{33}H_{24}OCl_2$ *iso*-1:5-Dichloro-9-phenyl-10-benzhydryl-9:10-dihydroanthranol (BARNETT and GOODWAY), 22.
 $C_{33}H_{44}O_{10}N_2$ Palmitin di-*p*-nitrobenzoate (FAIRBOURNE and COWDREY), 135.

C₃₄ Group.

C₃₄H₂₆ 10-Benzhydryl-9-benzylanthracene (BARNETT and GOODWAY), 1757.

34 II

C₃₄H₂₆O 10-Benzhydryl-9-benzyl-9:10-dihydroanthranol-9 (BARNETT and GOODWAY), 1757.

C₃₄H₄₆O₂ Bis(styryl *n*-octyl ketone) (HEILBRON and IRVING), 936.

C₃₅ Group.

C₃₅H₂₇O₅N Tribenzoyl derivative of $\beta\beta$ -di-(4-hydroxyphenyl) ethylamine (HARRINGTON and McCARTNEY), 895.

C₃₆ Group.

C₃₆H₂₆O₈ Diacetyl-2:2'-diacetoxy-1:1'-dianthranolyl (HARDACRE and PERKIN), 187.

36 III

C₃₆H₂₄O₈I₂ Diacetyl-2:2'-di-iodo-3:3'-diacetoxydianthranol (HARDACRE and PERKIN), 190.

C₄₀ Group.

C₄₀H₃₀O₁₄ Hexa-acetoxydianthrone (HARDACRE and PERKIN), 192.

C₄₂ Group.

C₄₂H₄₂OSi₂ Tri-*p*-tolylsilicyl oxide (STEELE and KIPPING), 358.

42 V

C₄₂H₅₇O₃N₈Cl₃Co₂ Hexabenzylaminetrihydroxodicobalt trichloride (PERGIVAL and WARDLAW), 1321.

C₄₄ Group.

C₄₄H₃₄O₁₆ Octa-acetoxydianthranol (HARDACRE and PERKIN), 192.

C₄₆ Group.

C₄₆H₃₈O₂ 1:3-Dimethoxy-4:6-bistriphenylmethylbenzene (HARDY), 1005.

C₄₈ Group.

C₄₈H₃₀O₄P Tricetyl phosphate (PLIMMER and BURCH), 282.

C₅₄ Group.

C₅₄H₃₀O₄P Dicholesteryl hydrogen phosphate, and its barium salt (PLIMMER and BURCH), 283.

C₅₆ Group.

C₅₆H₄₆Si₄ Octa-*p*-tolylsilicotetane (STEELE and KIPPING), 2547.

Octa-*p*-tolylcyclosilicotetane (STEELE and KIPPING), 2548.

56 III

C₅₆H₅₆OSi₄ Octa-*p*-tolylsilicotetane oxide (STEELE and KIPPING), 2548.

C₅₆H₃₈I₂Si₄ Octa-*p*-tolylsilicotetane di-iodide (STEELE and KIPPING), 2547.

C₈₁ Group.

C₈₁H₁₂₈O₄P Tricholesteryl phosphate (PLIMMER and BURCH), 283.