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 C_1 group, C_2 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.

C_1 Group.

C_2 Group.

2 II

2 III

2 IV

2 V

C_3 Group.

3 II

3 III

3 IV

C_4 Group.

4 III

4 IV

4 V

C_5 Group.

5 II

5 III

C_6 Group.

6 III

6 IV

6 V

C_7 Group.

7 III

7 IV

7 V

C_8 Group.

$C_8H_6O_4$ Phthalic acid, chlorination of (AYLING), 253; complex sodium copper salt (RILEY), 1310.

$C_8H_7O_3$ *o*-Nitroacetophenone, preparation of (KERMACK and SMITH), 814.

$C_8H_{10}O_4$ 2:5-Dimethoxyresorcinol (BAKER, NODZU, and ROBINSON), 78.

$C_8H_{11}N$ Dimethylaniline, interaction of tellurium tetrachloride with (MORGAN and BURGESS), 1103.

*cyclo*Hexylideneacetonitrile (KANDIAH and LINSTEAD), 2146.

$C_8H_{12}O_4$ *dl*-α-Hydroxy-β-*iso*propylglutarolactone (GIBSON and SIMONSEN), 1079.

$C_8H_{12}O_7$ β-Methylglucofuranoside 5:6-carbonate (HAWORTH and PORTER), 2804.

$C_8H_{12}N_2$ δ-3-Aminophenylethylamine, and its dihydrochloride (GULLAND, HAWORTH, and VIRDEN), 1672.

Tetramethylpyrazine, preparation and reduction of (KIPPING), 2891.

$C_8H_{14}O_2$ Ethyl pyroterebate (LINSTEAD), 2506.

ββδ-Trimethylvalerolactone (QUDRAT-I-KHUDA), 208.

$C_8H_{14}O_3$ γ-Acetyl-ββ-dimethylbutyric acid, synthesis of, and its silver salt (QUDRAT-I-KHUDA), 201.

$C_8H_{14}O_4$ Suberic acid, catalytic and thermal decomposition of (VOGEL), 729.

$C_8H_{14}O_5$ 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.

$C_8H_{14}O_6$ Diethyl tartrate, action of phosphorus pentachloride on (PATTERSON and TODD), 1768.

Methylheptenone peroxide (HEILBRON, OWENS, and SIMPSON), 880.

$C_8H_{16}O_5$ 2:3-Dimethyl methylxyloside (HAMPTON, HAWORTH, and HIRST), 1747.

Dimethyl rhamnose (HAWORTH, HIRST, and MILLER), 2475.

$C_8H_{16}O_6$ α- and β-Ethylglucofuranosides (HAWORTH and PORTER), 2796.

$C_8H_{18}N_2$ Tetramethylpiperazines, and their salts (KIPPING), 2894.

8 III

$C_8H_4O_8N_2$ Pyrazinetetracarboxylic acid, and its potassium salt (CHATTAWAY and HUMPHREY), 651.

$C_8H_5N_2Cl$ 6-Chloroquinoxaline (CHATTAWAY and HUMPHREY), 650.

$C_8H_5N_2Br$ 6-Bromoquinoxaline (CHATTAWAY and HUMPHREY), 650.

$C_8H_6O_3Br_2$ 3:5-Dibromo-2-hydroxy-4-methoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 1579.

$C_8H_6O_4N_2$ 2-Nitro-3-hydroxy-1:4-benz*iso*oxazine (BALABAN), 2609.

$C_8H_7O_2F$ Fluoromethoxybenzaldehydes (HODGSON and NIXON), 1638.

$C_8H_7O_3Br$ 5-Bromo-2-hydroxy-4-methoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 1579.

$C_8H_7O_3F$ Fluoromethoxybenzoic acids (HODGSON and NIXON), 1639.

$C_8H_7O_4N_3$ Nitroamino-3-hydroxy-1:4-benz*iso*oxazines (BALABAN), 2609.

$C_8H_7NS_2$ 2-Thio-1-methyl-1:2-dihydrobenz*iso*thiazole (MCCLELLAND, WARREN, and JACKSON), 1585.

C_8H_8OCl *N*-Chloroacetanilide, velocity of reaction of hydrobromic acid with (RICHARDSON and SOPER), 1873.

$C_8H_8O_2N_4$ 5-Nitro-1:6-dimethyl-1:2:3-benzthiazole (BRADY, DAY, and REYNOLDS), 2265.

C_8H_9OI 2-Iodo-4-methoxytoluene (ROBERTS and SMILES), 868.

$C_8H_9O_2N$ Methyl 6-methyl-2-pyridone-4-carboxylate (BARDHAN), 2228.

8 IV

C_9 Group.

9 III

9 IV

9 V

C_{10} Group.

10 II

10 III

10 IV

10 V

$C_{10}H_{12}ON_2Br_5Mo$ Dipyridinium molybdenyl pentabromide (ANGELL, JAMES, and WARDLAW), 2582.

$C_{10}H_{13}O_4NS_2As$ Di(carboxymethyl) 4-aminophenylthioarsenite (BARBER), 1022.

$C_{10}H_{12}O_5NS_2As$ Di(carboxymethyl) 3-amino-4-hydroxyphenylthioarsinite (BARBER), 1023.

$C_{10}H_{12}O_5N_3S_2As$ 5-Nitro-2-hydroxyphenylarsinic acid thiolacetamide (BARBER), 2335.

$C_{10}H_{14}O_2N_2S_2As$ Di(carbamylmethyl) 4-aminophenylthioarsinite (BARBER), 1022.

$C_{10}H_{14}O_3N_3S_2As$ Di(carbamylmethyl) 3-amino-4-hydroxyphenylthioarsinite (BARBER), 1023.

10 VI

$C_{10}H_{11}O_4N_2ClS_2As$ 3-Chloro-6-nitrophenylarsinic acid thiolacetamide (BARBER), 2336.

$C_{10}H_{11}O_4N_2BrS_2As$ Bromonitrophenylarsinic acid thiolacetamide (BARBER), 2335.

$C_{10}H_{11}O_4N_2IS_2As$ 2-Iodo-5-nitrophenylarsinic acid thiolacetamide (BARBER), 2336.

$C_{10}H_{12}O_2N_2BrS_2As$ 3-Bromophenylarsinic acid thiolacetamide (BARBER), 2337.
Di(carbamylmethyl) *o*-bromophenylthioarsinite (BARBER), 2335.

C_{11} Group.

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

11 II

$C_{11}H_8N_2$ 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*Pentane*spiro*-4-methyl*cyclo*hexane-3:5-dione (DICKINS HUGH, and KON), 576.

$C_{11}H_{16}O_5$ *cyclo*Pentane-1-acetone-1-malonic acid (QUDRAT-I-KHUDA), 719.

$C_{11}H_{18}O_3$ *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-Ethoxy*cyclo*hexylacetone (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.

$C_{11}H_{13}O_3N_3$ 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-methyltetrahydro*iso*quinoline (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-Trimethoxyphenylacetonitrile (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*-Benzoylpiperazine (MOORE, BOYLE, and THORN), 46.

$C_{11}H_{14}O_2N_2$ Diacetyl-*o*-aminomethylaniline (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.

$C_{11}H_{14}O_3S$ 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-methyltetrahydro*iso*quinoline, and its hydriodide (GULLAND and VIRDEN), 1798.

$C_{11}H_{15}O_2N$ 1-Hydroxy-6-methoxy-2-methyltetrahydro*iso*quinoline (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.

$C_{11}H_{16}OS$ Phenyl ε-hydroxyamyl sulphide (BENNETT and HEATHCOAT), 274.

Phenylpentamethylenesulphonium hydroxide, salts of (BENNETT, HEATHCOAT, and MOSSES), 2570.

$C_{11}H_{16}O_2N_2$ *cyclo*Pentane*spirocyclo*-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 WATTERS), 2172.

$C_{11}H_{17}O_2N$ Ethyl α-cyano-γ-acetyl-ββ-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.

$C_{11}H_{19}O_3N_3$ *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_{12} Group.

12 III

$C_{12}H_{16}N_2Br_2$ γ-Aminopropylquinolinium bromide hydrobromides (SESHADRI), 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-diaminophenyl*cyclo*hexane (MAYES and TURNER), 508.

$C_{12}H_{18}O_2N_2$ *cyclo*Hexane*spirocyclo*-3-hydroxy-6-cyano-3-methyl-5-piperidone (QUDRAT-I-KHUDA), 716.

α-Hydroxyphenylethyldimethylamines, methylurethanes of (E. and E. STEDMAN), 6.

$C_{12}H_{18}O_5N_2$ *cyclo*Pentane-1-acetone-1-malonic acid semicarbazone (QUDRAT-I-KHUDA), 719.

$C_{12}H_{20}O_3N_4$ Ethyl α-cyano-γ-acetyl-ββ-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 *cyclo*pentane-1-acetone-1-acetate semicarbazone (QUDRAT-I-KHUDA), 720.

$C_{12}H_{21}O_4Br$ Ethyl α-bromo-β-*iso*propylglutarate (GIBSON and SIMONSEN), 1078.

$C_{12}H_{21}O_5N_3$ α-Carboxy-γ-acetyl-ββ-diethylbutyric acid semicarbazone (QUDRAT-I-KHUDA), 1918.

$C_{12}H_{22}O_4N_2$ Ethyl 4-carbethoxypiperazino-β-propionate (MOORE, BOYLE, and THORN), 49.

$C_{12}H_{22}NCl$ Chlorodimethyl-lupinines (CLEMO and RAPER), 1934.

$C_{12}H_{22}NI$ ψ-Anhydromethyl-lupinine methiodide (CLEMO and RAPER), 1936.

$C_{12}H_{23}O_2N_3$ 1-Ethoxy*cyclo*hexylacetone semicarbazone (KON and LINSTEAD), 1276.

$C_{12}H_{24}Br_2Se_2$ Tetramethylene-αδ-bis*cyclo*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.

$C_{12}H_5O_3NCl_4$ 4:5:2′:4′-Tetrachloro-2-nitrodiphenyl ether (GROVES, TURNER, and SHARP), 523.

$C_{12}H_5O_5N_3Cl_3$ 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.

$C_{12}H_6O_3NCl_3$ Trichloronitrodiphenyl ethers (GROVES, TURNER, and SHARP), 520.

$C_{12}H_6O_5N_2Cl_2$ 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.

$C_{12}H_8O_2Br_2As_2$ 3:3′-Dibromo-4:4′-dihydroxyarsenobenzene (HAYTHORNTHWAITE), 1014.

$C_{12}H_8O_3NCl$ 4′-Chloro-3-nitrodiphenyl ether (SCARBOROUGH), 2365.

$C_{12}H_8O_3NBr$ 4′-Bromo-3-nitrodiphenyl ether (SCARBOROUGH), 2366.

$C_{12}H_8O_3NI$ 4-Iodo-4′-nitrodiphenyl ether (SCARBOROUGH), 2364.

$C_{12}H_8O_3N_2Br_2$ 2:4-Dibromo-3′-nitro-4′-aminodiphenyl ether (SCARBOROUGH), 2367.

C_{13} Group.

13 III

13 V

$C_{13}H_9O_5NCl_2S$ 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.

$C_{13}H_{14}O_6N_2SAs_2$ 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 RÂY), 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-triazolc-5-azo-β-naphthylamine (REILLY and MADDEN), 816.

$C_{14}H_{15}N$ *o*-Tolyltolylamines (GIBSON and JOHNSON), 2748.

$C_{14}H_{16}O_3$ γ-Benzylidene-α-*iso*propylacetoacetic 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.

$C_{14}H_{18}O_3$ Norsantonous acid (CLEMO, HAWORTH, and WALTON), 2384.

$C_{14}H_{18}O_3$ β-4-Methoxy-2:5-dimethylphenylethylmalonic acid (CLEMO, HAWORTH, and WALTON), 2380.

$C_{14}H_{20}O_3$ Decahydronaphthalene-2:2-diacetic anhydrides (RAO), 1962, 1968.

$C_{14}H_{23}P$ Phenyldi-*n*-butylphosphine (DAVIES and JONES), 34.

Phenyldi*iso*butylphosphine (DAVIES, PEARSE, and JONES), 1265.

$C_{14}H_{24}O_4$ Decahydronaphthalene-2:2-diacetic acids (RAO), 1962, 1968.

14 III

$C_{14}H_6O_3Br_2$ 1:3-Dibromo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 185.

$C_{14}H_7O_3Br$ 1-Bromo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 186.

$C_{14}H_7O_3I$ 3-Iodo-2-hydroxyanthraquinone (HARDACRE and PERKIN), 188.

$C_{14}H_8O_4N_2$ Dinitrophenanthrene (CALLOW and GULLAND), 2425.

$C_{14}H_9O_3N$ 3-Amino-2-hydroxyanthraquinone (HARDACRE and PERKIN), 189.

$C_{14}H_9O_3N_3$ Nitro-1-phenylphthalazine (AGGARWAL, DARBARI, and RÂY), 1945; (RÂY), 2661.

$C_{14}H_9O_3Cl$ Chlorohydroxyanthranol (HARDACRE and PERKIN), 188.

$C_{14}H_9O_3I$ 2-Iodo-3-hydroxyanthranol (HARDACRE and PERKIN), 190.

$C_{14}H_9O_3F$ 2-Fluoro-4-hydroxybenzaldehyde benzoate (HODGSON and NIXON), 1635.

$C_{14}H_8NS$ Thionaphthindole (MCCLELLAND), 1588.

14 IV

$C_{14}H_6O_4N_2Cl_2$ *N*-2:4-Dichloro-5-nitrophenylphthalimide (GROVES, TURNER, and SHARP), 518.

$C_{14}H_7O_2NCl_2$ *N*-2:4-Dichlorophenylphthalimide (GROVES, TURNER, and SHARP), 518.

$C_{14}H_8N_2S_2As_2$ *pp'*-Dithiocarbiminoarsenobenzene (EVERETT), 675.

$C_{14}H_8N_2S_5As_2$ *pp'*-Dithiocarbiminophenylarsenic 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.

$C_{14}H_{11}O_2NI_4$ *ββ*-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

$C_{14}H_{13}O_9N_4As$ 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.

$C_{14}H_{14}O_6N_2As$ 2-Nitro-4'-acetamidodiphenylamine-4-arsinic acid (BARBER), 475.

$C_{14}H_{14}NIS$ Methylnaphthathiazole ethiodides (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.

14 V

C_{15} Group.

15 III

15 IV

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.

$C_{15}H_{17}O_2NClAs$ 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.

$C_{16}H_{16}$ 9-*iso*Propylfluorene (MAITLAND and TUCKER), 2564.

$C_{16}H_{20}$ 3-Phenyl-$\Delta^{1:3}$-menthadiene (READ and WATTERS), 2170.

16 II

$C_{16}H_8O_8$ Anthraquinone-2:7-dicarboxylic acid (MORGAN and COULSON), 2211.

$C_{16}H_{10}O_5$ 2-Acetylanthragallol (PERKIN and STORY), 1414.

1-Acetylpurpuroxanthin (PERKIN and STORY), 1415.

$C_{16}H_{12}O_2$ 2:7-Dimethylanthraquinone (MORGAN and COULSON), 2211.

$C_{16}H_{12}O_3$ 7-Methoxy*iso*flavone (BAKER, POLLARD, and ROBINSON), 1473.

$C_{16}H_{12}O_5$ 7-Acetoxy-1-methoxyxanthone (ROBERTSON and WATERS), 2243.

Anthragallol 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-methoxy*iso*flavanone (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-Bromofluorenyldimethylcarbinyl bromide (MAITLAND and TUCKER), 2564.

$C_{16}H_{15}Br$ 9-Fluorenyldimethylcarbinyl 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-methoxy*iso*flavane (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.

$C_{16}H_{20}O_6$ δ-4-Methoxy-2:5-dimethylbenzoylbutane-βγ-dicarboxylic acid (CLEMO, HAWORTH, and WALTON), 2385.

16 III

16 IV

16 V

$C_{16}H_{10}O_6N_2S_2Na_2$ 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.
$C_{16}H_{14}O_4N_3ClS$ Cinnamaldehyde 2-chloro-5-nitro-*p*-toluenesulphonhydrazone (DANN and DAVIES), 1053.
$C_{16}H_{21}O_7N_4S_2As$ Di-(β-carboxy-β-aminoethyl)-8-acetamido-3-hydroxy-1:4-benz*iso*-oxazine-6-thioarsinite (BARBER), 1024.

C_{17} Group.

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

17 II

$C_{17}H_{10}O_6$ Substance, from oxidation of 2:3:6-trimethylanthraquinone (MORGAN and COULSON), 2556.
$C_{17}H_{12}O_5$ 7-Methoxy*iso*flavone-2-carboxylic acid (BAKER, POLLARD, and ROBINSON), 1473.
$C_{17}H_{12}O_6$ 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-anthranyl acetates (BARNETT and GOODWAY), 1758.
2:3:6-Trimethylanthraquinone (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.
$C_{17}H_{18}O$ 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.
$C_{17}H_{28}O_4$ Ethyl 2-carboxy-*trans*-decahydronaphthalene-2-acetates (RAO), 1965.
$C_{17}H_{29}P$ *p*-Tolyldi-*n*-amyl phosphine (DAVIES, PEARSE, and JONES), 1266.
p-Tolyldi*iso*amylphosphine (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-Trimethyltetradecoic acid (HEILBRON and THOMPSON), 892.

17 III

$C_{17}H_{12}O_5S$ Diacetoxythioxanthones (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.
$C_{17}H_{15}O_4N$ Ethyl *o*-benzamidophenylglyoxylate (CALLOW and HOPE), 1197.
$C_{17}H_{16}N_3Cl$ Di-(*p*-cyanobenzyl)methylamine hydrochloride (BAKER), 1206.

17 IV

17 V

C_{18} Group.

$C_{18}H_{31}P$ Phenyldi-(δ-methylamyl)phosphine (DAVIES, PEARSE, and JONES), 1268.
$C_{18}H_{32}O_2$ Linolic acid, constitution of (HAWORTH), 1456.
$C_{18}H_{36}O_3$ 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.
$C_{18}H_{13}O_4N_3$ 2-Dinitrostyrylmethylquinolines (BENNETT and PRATT), 1467.
$C_{18}H_{13}O_4Cl$ Chlorodiacetoxyanthracene (HARDACRE and PERKIN), 188.
$C_{18}H_{14}O_3N_2$ Nitro-8-benzoyldihydropentindole (PLANT), 2496.
$C_{18}H_{14}O_6N_2$ 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.
$C_{18}H_{14}O_6N_6$ 2:4:6-Trinitro-1-amino-3:5-dianilinobenzene (FLÜRSCHEIM and HOLMES), 336.
$C_{18}H_{15}ON$ 8-Benzoyldihydropentindole (PLANT), 2496.
$C_{18}H_{15}O_2N$ 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.
$C_{18}H_{17}ON_3$ 8-3-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.
$C_{18}H_{19}ON$ 1-Benzoyl-2:3-dimethyl-1:2:3:4-tetrahydroquinoline (PLANT and ROSSER), 1865.
$C_{18}H_{19}O_2N$ Di-(4-hydroxy-2:5-dimethylphenyl)acetonitrile (CLEMO, HAWORTH, and WALTON), 2376.
$C_{18}H_{19}O_3N$ Diacetyl-*l*-*iso*diphenylhydroxyethylamine (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.
$C_{18}H_{24}O_6N_6$ Hexa-acetamidobenzene (FLÜRSCHEIM and HOLMES), 335.
$C_{18}H_{32}IP$ *p*-Tolylmethyldi-*n*-amylphosphonium iodide (DAVIES, PEARSE, and JONES), 1266.
p-Tolylmethyldi*iso*amylphosphonium iodide (DAVIES, PEARSE, and JONES), 1267.
p-Tolylmethyldi-(*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.

18 V

C_{19} Group.

19 II

19 III

C_{20} Group.

20 IV

20 V

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

C_{21} Group.

$C_{21}H_{12}O_4$ 2-Benzoylanthragallol (PERKIN and STORY), 1411.

$C_{21}H_{14}O_2$ Benzoxantha*spiro*pyran (IRVING), 1094.

$C_{21}H_{14}O_3$ 6-Hydroxy-2:3-diphenylbenzo-γ-pyrone (BAKER and EASTWOOD), 2906.

$C_{21}H_{16}O_4$ 5:7-Dihydroxy-2:3-diphenylbenzo-γ-pyrone (BAKER and EASTWOOD), 2901.

$C_{21}H_{16}O_4$ Benzyl hydrogen diphenate (LE FEVRE), 737.

$C_{21}H_{18}O_2$ Benzylidene-*l*-*iso*hydrobenzoin (READ, CAMPBELL, and BARKER), 2314.

$C_{21}H_{18}O_7$ 2-Ethylcarbonato-1:9-diacetylanthranol (PERKIN and STORY), 1418.

$C_{21}H_{18}O_8$ 5:7-Diacetoxy-3′:4′-dimethoxy-3-phenylcoumarin (BAKER), 1599.

5:6-Diethylcarbonato-1-benzylideneconmaran-2-one (PERKIN and STORY), 1421.

$C_{21}H_{19}N$ 2:3-Diphenyl-1:2:3:4-tetrahydroquinolines (PLANT and ROSSER), 1868.

$C_{21}H_{22}O_6$ Hexamethoxyflavone (BAKER, NODZU, and ROBINSON), 81.

O-Hexamethylquercetagetin (BAKER, NODZU, and ROBINSON), 82.

2-Methylirigenin 7:3′-dimethyl ether (BAKER and ROBINSON), 158.

$C_{21}H_{23}N$ 9-Piperidinomethyl-2-methylanthracene (BARNETT and GOODWAY), 1760.

$C_{21}H_{28}O_3$ *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), 1901.

$C_{21}H_{14}O_6N_6$ Bisdinitrobenzylidene-3:4-tolylenediamine (BENNETT and PRATT), 1467.

$C_{21}H_{14}O_3N_2$ *o*-Benzamidophenylglyoxylanilide (CALLOW and HOPE), 1196.

$C_{21}H_{16}O_4N_2$ Diphthalimidoacetoxypropane (FAIRBOURNE and COWDREY), 133.

$C_{21}H_{18}ON_2$ 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.

$C_{21}H_{18}O_4N_2$ Aniline *o*-benzamidophenylglyoxylate (CALLOW and HOPE), 1196.

αε-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.

$C_{21}H_{19}O_2N_3$ 8-γ-Phthalimidopropyl-6-methylquinoline (BALDWIN), 2964.

$C_{21}H_{19}O_3N_3$ 8-γ-Phthalimidopropylamino-6-methoxyquinoline (BALDWIN), 2963.

$C_{21}H_{20}O_4N_2$ Anhydro-γ-*o*-carboxybenzamidopropyl-6-methoxyquinolinium hydroxide (+ $3H_2O$) (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.

21 IV

C_{22} Group.

22 II

22 III

22 IV

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

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

C_{23} Group.

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

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

$C_{23}H_{16}O_4$ 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-ββγ-tricarboxylate (CLEMO, HAWORTH, and WALTON), 2385.

23 III

$C_{23}H_{17}O_4N$ α-*o*-Carboxybenzamido-ββ-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-iso*diphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2311.

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

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

$C_{23}H_{24}O_2N_4$ αγ-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.

$C_{23}H_{30}O_3N_2$ Pimelodi-β-phenylethylamide (CHILD and PYMAN), 2015.

$C_{23}H_{30}O_3N_2$ 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-iso*diphenylhydroxyethylamine (READ, CAMPBELL, and BARKER), 2312.

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

C_{24} Group.

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

$C_{24}H_{16}O_7$ Benzoylacetylanthragallol 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_{25} Group.

25 IV

$C_{25}H_{23}O_3N_3S$ 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*′-Diphenylylene)dibenzoct-12:15-diazine (LE FÈVRE), 736.

$C_{26}H_{18}O_2$ 3′-Methylxantha-β-naphtha*spiro*pyran (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.

$C_{26}H_{30}O_3$ Ethyl ester of acid, $C_{22}H_{42}O_3$ (LEGG and WHEELER), 2446.

26 III

$C_{26}H_{14}N_2Br_2$ 3:8-Dibromo-13:14-(*oo*′-diphenylene)dibenzoct-12:15-diazine (LE FÈVRE), 737.

$C_{26}H_{17}O_6N_7$ Bisdinitrobenzylidene-4:4′-diaminodiphenylamine (BENNETT and PRATT), 1467.

$C_{26}H_{18}O_6N_2$ Diphthalimidobenzoyloxypropane (FAIRBOURNE and COWDREY), 134.

$C_{26}H_{19}O_2N$ *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), 1902.

$C_{26}H_{21}O_3N$ Diphenylsuccin-naphthylamic acids (WREN and WRIGHT), 136, 140.

$C_{26}H_{24}O_4N_2$ Tetramethylene glycol bis-α-naphthylurethane (BENNETT and HEATHCOAT), 272.

$C_{26}H_{31}O_7N_3$ Di-(2:5-dimethoxyanilino)aceto-2:5-dimethoxyanilide (GULLAND, ROBINSON, SCOTT, and THORNLEY), 2927.

$C_{26}H_{32}O_4N_2$ αδ-Bis-(6:7-dimethoxy-3:4-dihydro*iso*quinolyl-1-)butane, and its salts (CHILD and PYMAN), 2016.

$C_{26}H_{36}O_2N_2$ Sebacodi-β-phenylethylamide (CHILD and PYMAN), 2015.

$C_{26}H_{36}O_4N_2$ αδ-Bis-(6:7-dimethoxytetrahydro*iso*quinolyl-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

$C_{26}H_{18}O_2N_2Br$ Dibromo-2:2′-disalicylidenaminodiphenyls (LE FÈVRE), 736.

$C_{26}H_{24}N_2Cl_2Te$ 4:4′-Diphenyldimethyldiaminodiphenyl telluridichloride (MORGAN and BURGESS), 1105.

C_{27} Group.

$C_{27}H_{18}O_2$ 3-Phenylbenzo-β-naphtha*spiro*pyran (HEILBRON and IRVING), 940.

$C_{27}H_{20}O$ 9-Benzhydrylanthrone (BARNETT and GOODWAY), 813.

$C_{27}H_{22}O_{14}$ Hexa-acetylquercetagetin (BAKER, NODZU, and ROBINSON), 83.

$C_{27}H_{24}O$ 2:6-Dibenzylphenyl benzyl ether (SHORT and STEWART), 555.

4-Ethoxytetraphonylmethane (HARDY), 1004.

$C_{27}H_{24}O_3$ 1:2:3-Tribenzyloxybenzene (BAKER, NODZU, and ROBINSON), 77.

$C_{27}H_{26}O_{12}$ Tetra-acetyl-β-glucosidoxyxanthones (ROBERTSON and WATERS), 2240.

$C_{27}H_{26}O_{13}$ Tetra-acetyl-7-β-glucosidoxy-1-hydroxyxanthone (ROBERTSON and WATERS), 2241.

$C_{27}H_{28}O_{14}$ 7-*O*-Tetra-acetyl-β-glucosidoxy-1-acetoxyxanthone (ROBERTSON and WATERS), 2242.

27 III

27 IV

C_{28} Group.

28 II

28 III

$C_{28}H_{30}O_{10}N_4$ 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.

$C_{28}H_{40}O_4N_2$ αδ-Bis-(6:7-dimethoxy-2-methyltetrahydro*iso*quinolyl-1-)butane, and its hydrochloride (CHILD and PYMAN), 2018.

$C_{28}H_{40}O_6N_2$ Suberodi-β-veratrylethylamide (CHILD and PYMAN), 2016.

$C_{28}H_{45}ON_3$ Ergosta-dienone semicarbazones (HEILBRON, JOHNSTONE, and SPRING), 2254.

28 IV

$C_{28}H_{23}N_2IS_2$ 2:2′:8-Trimethyl-5:6:5′:6′-dibenzthiocarbocyanine iodide (HAMER), 2606.

$C_{28}H_{25}O_3NS$ *O*-*p*-Toluenesulphonylbenzylidene-*dl*-*iso*diphenylhydroxyethylamines (READ, CAMPBELL, and BARKER), 2312.

$C_{28}H_{28}O_2N_6As_2$ 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.

$C_{29}H_{28}O$ 4-Hydroxy-2-methyl-5-*iso*propyltetraphenylmethane (HARDY), 1006.

$C_{29}H_{30}O_2$ 3′-Octylbenzo-β-naphtha*spiro*pyran (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.

$C_{29}H_{46}O_2$ Dihydroergosterol acetates (HEILBRON, JOHNSTONE, and SPRING), 2252; (HEILBRON and SPRING), 2809.

Zymosterol acetate (HEILBRON and SEXTON), 2256.

$C_{29}H_{48}O_2$ Dihydrozymosterol acetate (HEILBRON and SEXTON), 2257.

$C_{29}H_{50}O$ Cholesteryl ethyl ether (PLIMMER and BURCH), 296.

29 III

$C_{29}H_{22}O_8S_2$ Ditoluene-*p*-sulphonyl-1-benzylidenecoumaran-2-one (PERKIN and STORY), 1420.

$C_{29}H_{23}O_5N$ 5-Nitro-1:2:3-tribenzyloxybenzene (BAKER, NODZU, and ROBINSON), 77.

$C_{29}H_{32}O_{11}N_4$ 2′-Nitro-3′:4′-dimethoxyphenylaceto-β-3-(2″-nitro-3″-4″-dimethoxyphenylacetamido)-4-methoxyphenylethylamide (CALLOW, GULLAND, and HAWORTH), 1454.

$C_{29}H_{34}O_2N_2$ Methoxybenzyldihydrostrychnidine (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.

$C_{29}H_{48}OS_2$ Methyl cholesterylxanthate (BOSE and DORAN), 2246.

29 IV

$C_{29}H_{28}N_2BrS_2$ 2:2′-Diethyl-5:6:5′:6′-dibenzthiocarbocyanine bromide (HAMER), 2605.

$C_{29}H_{25}N_2IS_2$ 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*-tolyldi-*o*-tolylpinacol (HATT), 1631.

$C_{30}H_{40}O_2$ Bis(styryl hexyl ketones) (HEILBRON and IRVING), 935.

30 III

30 IV

C_{31} Group.

31 III

C_{32} Group.

32 III

32 IV

C_{33} Group.

33 III

C_{34} Group.

$C_{34}H_{26}$ 10-Benzhydryl-9-benzylanthracene (BARNETT and GOODWAY), 1757.

34 II

$C_{34}H_{28}O$ 10-Benzhydryl-9-benzyl-9:10-dihydroanthranol-9 (BARNETT and GOODWAY), 1757.

$C_{34}H_{46}O_2$ Bis(styryl *n*-octyl ketone) (HEILBRON and IRVING), 936.

C_{35} Group.

$C_{35}H_{27}O_5N$ Tribenzoyl derivative of ββ-di-(4-hydroxyphenyl) ethylamine (HARINGTON and MCCARTNEY), 895.

C_{36} Group.

$C_{38}H_{28}O_8$ Diacetyl-2:2′-diacetoxy-1:1′-dianthranolyl (HARDACRE and PERKIN), 187.

36 III

$C_{36}H_{24}O_8I_2$ Diacetyl-2:2′-di-iodo-3:3′-diacetoxydianthranol (HARDACRE and PERKIN), 190.

C_{40} Group.

$C_{40}H_{30}O_{14}$ Hexa-acetoxydianthrone (HARDACRE and PERKIN), 192.

C_{42} Group.

$C_{42}H_{42}OSi_2$ Tri-*p*-tolylsilicyl oxide (STEELE and KIPPING), 858.

42 V

$C_{42}H_{57}O_3N_8Cl_3Co_2$ Hexabenzylaminetrihydroxodicobalt trichloride (PERCIVAL and WARDLAW), 1321.

C_{44} Group.

$C_{44}H_{34}O_{16}$ Octa-acetoxydianthranol (HARDACRE and PERKIN), 192.

C_{46} Group.

$C_{46}H_{38}O_2$ 1:3-Dimethoxy-4:6-bistriphenylmethylbenzene (HARDY), 1005.

C_{48} Group.

$C_{48}H_{99}O_4P$ Tricetyl phosphate (PLIMMER and BURCH), 282.

C_{54} Group.

$C_{54}H_{91}O_4P$ Dicholesteryl hydrogen phosphate, and its barium salt (PLIMMER and BURCH), 283.

C_{56} Group.

$C_{56}H_{56}Si_4$ Octa-*p*-tolylsilicotetrane (STEELE and KIPPING), 2547.
Octa-*p*-tolyl*cyclo*silicotetrane (STEELE and KIPPING), 2548.

56 III

$C_{56}H_{56}OSi_4$ Octa-*p*-tolylsilicotetrane oxide (STEELE and KIPPING), 2548.

$C_{56}H_{56}I_2Si_4$ Octa-*p*-tolylsilicotetrane di-iodide (STEELE and KIPPING), 2547.

C_{81} Group.

$C_{81}H_{153}O_4P$ Tricholesteryl phosphate (PLIMMER and BURCH), 283.