0.01 mol) was refluxed in nitrobenzene (30 ml) for 12 hr. The solvent was removed by steam distillation and the product was worked up as described for V and crystallised from benzene. Compound IIA (Ar = ph): m.p. 316°, IIB (Ar = p-CH₃C₆H₄); m.p. 305°. Both the compounds gave satisfactory C, H analyses.

5a,11a,6,11-Tetrahydro-5,11-diaryl-6,11-endocarboxynyl-7; 8, 9:10-dibenztetracene-5:12-quinone [(X, Ar = 3, 4’-(CH₃)₂C₆H₄) — A mixture of 1d (Ar = 3,4’-(CH₃)₂C₆H₄), 0.01 mol) and naphthaquinone (0.01 mol) was refluxed in benzene (40 ml) until the colour of the diene was discharged (6 hr). The product was worked up in the usual manner and finally crystallised from benzene as orange crystals, m.p. 170°, yield 80% (Found: C, 86.46; H, 5.22 C₄₂H₃₂O₂ requires C, 86.57, H, 5.36%).

6,11-Diaryl-6,8, 9:10-dibenztetracene-5:12-quinone [(XII, Ar = 3, 4’-(CH₃)₂C₆H₄) — Compound (XII, 0.01 mol) was refluxed in nitrobenzene (30 ml) for 10 hr. The solvent was removed and the product was worked up in the usual manner and finally crystallised from benzene, m.p. 291°, yield 78% (Found C, 88.87; H, 5.24 C₄₂H₃₀O₂ requires C, 89.94; H, 5.30%).

5,14,7,12a,7a,11a,12a-Octahydro-5,14,7,12-tetraphenyl-5:14, 7:12-diendocarbonyl-1:2:3:4, 8:9, 10:11-tetram benzopen tace ne-6,13-quinone (XIII) — A mixture of I (0.01 mol) and III (0.01 mol) in dry benzene (60 ml) was refluxed until the colour of the diene was discharged (10 hr). The product was worked up as described for III and finally crystallised from benzene, yield 70—80% (table I).

5,14,7,12-Tetraphenyl-1:2, 3:4, 8:9, 10:11-tetram benzopen tace ne-6,13-quinone (XV) — Compound (XIII, 0.01 mol) was refluxed with chloranil (1.5 g) in xylene (25 ml) for 12 hr. The solvent was removed by steam-distillation, the residue filtered, washed with ethanol and refluxed with tetralin (30 ml) 12 hr. The product was worked up as described for V and crystallised from benzene, yield 70—80% (table I).

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ANNOUNCEMENT

NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW—NEW DIRECTOR

Dr P. V. Sane, a well-known plant physiologist and biochemist has been recently appointed Director of the National Botanical Research Institute, Lucknow, Winner of 1981 Shanti Swarup Bhatnagar Prize in Biological Sciences, Dr Sane’s main research interest lies in the field of Biochemistry of Photosynthesis. He has published over seventy original research papers and several review articles, besides contributing chapters for books.

He headed the Agricultural Biochemistry Section and Biology and Agriculture Division of the Bhabha Atomic Research Centre, Bombay. He joined the National Botanical Research Institute, Lucknow as its Deputy Director in June 1983.