

CONTENTS OF VOLUME 7

Number 1

Adsorption Isotherms on Cotton of Direct Sky Blue FF from Aqueous Ethanol Solutions	1
MARIA E. AMATO, SALVATORE FISICHELLA and SALVATORE OCCHIPINTI (Italy)	
Synthesis of Biscoumarins and Biscoumarinyl Ketones	13
ANJANA CHANDRASEKHAR, S. PADMANABHAN and S. SESHADRI (India)	
Novel Colorants Based on the 9-Oxo-1,9a,10-triaza-9-hydroanthracene Chromophoric System.	23
A. MARRACCINI and A. PASQUALE (Italy)	
The Dyeing of Cellulose with Reactive Dyes Containing Phosphonic Acid Groups	33
GAETANO ALBERGHINA, MARIA E. AMATO SALVATORE FISICHELLA (Italy) and IAN D. RATTEE (Great Britain)	
Azo Dyes: Structure–Carcinogenicity Relationships	45
PETER GREGORY (Great Britain)	
Synthesis and Properties of the 3- and 4-Dimethylamino Derivatives of 7 <i>H</i> ,9 <i>H</i> -Quinazolino[3,2- <i>b</i>]benz[<i>d,e</i>]isoquinolin-7-one	57
KRZYSZTOF CELNIK, ZDZISŁAW JANKOWSKI and ROLAND STOLARSKI (Poland)	
Synthesis of Azoic Dyes from 7-Hydroxy-3-phenyl Quinoline Derivatives	69
R. KRISHNAN and S. SESHADRI (India)	
Book Review	79

Number 2

Polycyclic Compounds: Part III—Colour and Chemical Constitution of 2-Aryl Phenalen-1-one Derivatives	81
N. R. AYYANGAR, S. V. JOSHI, K. V. SRINIVASAN, V. G. PURANIK, S. S. TAVALE and T. N. GURU ROW (India)	
Novel Syntheses of Anthraquinonoid Near-Infrared Absorbing Dyes	93
SUNG HOON KIM, MASARU MATSUOKA, YUJI KUBO, TAKASHI YODOSHI and TEIJIRO KITAO (Japan)	

Synthesis, Properties and Uses of Angular Phenoxazines	103
C. O. OKAFOR (Nigeria)	
Chromophoric Chain β -(Styryl-Substituted Styryl and Phenyl-Substituted Butadienyl) Cyanines: Effect of β -Substituents and Chain Lengthening on the Visible Absorption Spectra, Photosensitisation Properties and Antimicrobial Activity	133
B. N. JHA, R. K. JHA and J. C. BANERJI (India)	
Short Communication	
Nucleophilic Substitution Reactions of Azabenzanthrone Derivatives	153
D. R. TATKE and S. SESHADRI (India)	
Announcement	159

Number 3

Synthesis and Properties of Some Alkyl Esters of <i>N</i> -Benzyl- <i>N</i> -phenyl- β -alanine and <i>N</i> -(β -Phenylethyl)- <i>N</i> -phenyl- β -alanine	161
J. KRASKA and J. SOKOŁOWSKA-GAJDA (Poland)	
^{13}C and ^{15}N -NMR Studies of the Azo-Hydrazone Tautomerism of Some Azo Dyes	171
ANTONIN LYČKA and VLADIMIR MACHÁČEK (Czechoslovakia)	
Dichlormethoxymethan als Reagenz zur Synthese von Carbocyaninfarbstoffen mit heterocyclischen Endgruppen hoher Basizität?	187
D. SCHELZ and H. BALLI (Switzerland)	
Anomalous Behaviour of Aminohydroxynaphthalenesulfonic Acids During Diazo Coupling	215
HAROLD S. FREEMAN, WILSON M. WHALEY, MICHELLE K. ESANCY and JAMES F. ESANCY (USA)	
Short Communication	
Synthesis of 3-Hetarylcoumarins from 3-Acetylcoumarins	231
N. K. CHODANKAR, S. SEQUEIRA and S. SESHADRI (India)	

Number 4

Phenylazo Derivatives of 1,8-Naphthalimides and of 7 <i>H</i> -Benzimidazo (2,1- <i>a</i>)-benz(<i>d,e</i>)isoquinolin-7-ones: Dyes for Synthetic Polymer Fibres	237
A. T. PETERS and M. J. BIDE (Great Britain)	
The Chemistry and Applications of Angular Phenothiazine Derivatives	249
C. O. OKAFOR (Nigeria)	

- Synthesis of 2,4-Dihydro-6-methyl-4-phenyl-2-(4-substituted phenyl)pyrazolo-(3,4-*d*)-1,2,3-Triazole Derivatives and Their Use as Fluorescent Whiteners for Polyester Fibres 289

D. W. RANGNEKAR and P. V. TAGDIWALA (India)

- Photofading of Diethylaminoazobenzene Dyes on Polyester Film and in Ethyl Acetate Solvent. Part I: Luminescence, Derivative Spectroscopy and Flash Photolysis Studies 299

ANTONINO ARCORIA, MARIA L. LONGO, GIOVANNI PARISI (Italy) and NORMAN S. ALLEN (Great Britain)

- Announcement 317

Number 5

- Macromolecular Azo Pigments 319

S. S. ACHI and T. W. J. APPERLEY (Great Britain)

- Metal Complex Dyes as Charge Control Agents 341

K. L. BIRKETT and P. GREGORY (Great Britain)

- Concurrent Dyeing and Finishing: V. One-bath Dyeing and Easy-Care Finishing of Cotton Fabrics with Acid Dyestuffs and *N*-Methylol Compounds Using Different Catalytic Systems 351

N. A. IBRAHIM and K. HAGGAG (Egypt)

- Synthesis of Oxazolo [4',5':5,6]Pyrido[1,2-*a*]Benzimidazole Derivatives and Study of Their Fluorescent Properties 365

D. W. RANGNEKAR and D. D. RAJADHYAKSHA (India)

- Colour and Constitution of Azo Dyes Derived from 2-Thioalkyl-4,6-diaminopyrimidines and 3-Cyano-1,4-dimethyl-6-hydroxy-2-pyridone as Coupling Components 373

CHENG LUBAI, CHEN XING, GAO KUNYU, HU JIAZHEN (China) and JOHN GRIFFITHS (Great Britain)

Short Communication

- Synthesis of 1,1-Dicyano-2,4-diaryl-1,3-butadienes—A Novel Chromophore . . . 389

U. V. GOKHALE and S. SESHADRI (India)

- Book Review 395

Number 6

- Purification Procedures for Synthetic Dyes: Part I—Dry Column Chromatography 397

H. S. FREEMAN, C. S. WILLIARD and W. N. HSU (USA)

Purification Procedures for Synthetic Dyes: Part 2—Countercurrent Chromatography	407
H. S. FREEMAN and C. S. WILLIARD (USA)	
Synthese von 6-Alkyl-, 6-Aryl- und 6-Heteroaryl-2,4-dichlor-1,3,5-triazinderivaten und ihre Verwendung als Reaktivsysteme für Baumwoll-Reaktivfarbstoffe	419
F. LEHR, M. GREVE (Switzerland) and A. R. KATRITZKY (USA)	
Synthesis of 6-Acetamido-2-substituted Quinoxaline Derivatives and Their Use as Fluorescent Whiteners for Polyester Fibres	445
D. W. RANGNEKAR and P. V. TAGDIWALA (India)	
Studies on the Use of 7-Amino-3-(4-aminophenyl)quinoline as a Benzidine Substitute	457
R. KRISHNAN, N. SEKAR and S. SESHADRI (India)	
Fast Atom Bombardment Mass Spectra of Disulphonated Oxonole Dyes	467
R. BORSDORF, R. HAESSNER (German Democratic Republic)	
H. RUOTSALAINEN (Finland) and G. BACH (German Democratic Republic)	
Announcement	475