

This article was downloaded by:

On: 26 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Liquid Crystals

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713926090>

Communications Accepted

To cite this Article (1988) 'Communications Accepted', *Liquid Crystals*, 3: 6, 999 – 1004

To link to this Article: DOI: 10.1080/02678298808086555

URL: <http://dx.doi.org/10.1080/02678298808086555>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

Communications Accepted

Communications accepted for presentation at the Eighth Specialized Colloque Ampère. Certain of the papers have been published elsewhere and for these references are included.

Invited Lectures

- ^{13}C N.M.R. and ^{14}N N.Q.R. of ferroelectric liquid crystals. R. BLINC†, J. DOLINSEK, M. LUZAR, J. PIRS and J. SELIGER.
- N.M.R. of monomeric liquid crystals confined to submicron droplets in polymers. J. W. DOANE†.
- E.S.R. studies of molecular dynamics at liquid-crystalline phase transitions. S. RANANAVARE, A. NAYEEM, V. S. S. SASTRY, V. G. K. M. PISIPATI and J. H. FREED†.
- Molecular dynamics in nematogens composed of non-rigid molecules. G. R. LUCKHURST†.
- N.M.R. studies of some new lyotropic liquid crystals. Z. LUZ†.
- The role of non-linear electron spin resonance spectroscopies. Perspectives in microscopic studies of liquid-crystalline polymers. M. MARTINELLI†.
- Relaxation dispersion and zero-field spectroscopy of thermotropic and lyotropic liquid crystals by fast N.M.R.-field-cycling. F. NOACK†, M. NOTTER, E. ROMMEL and W. WEIß.
- Multiple quantum and zero-field N.M.R. studies of liquid crystals. A. PINES†.
- Some N.M.R. experiments using lyotropic nematic liquid crystals. L. W. REEVES†, M. P. O. FERNANDES and L. BECERRA.
- PAA revisited. Modelling proton and deuterium N.M.R. data. M. POLIKS, B. JANIK and E. T. SAMULSKI†.
- N.M.R. study of demixion and homogenization phenomena in low molar mass nematic mixtures and in thermotropic linear polymers. F. VOLINO†, P. ESNAULT, M. M. GAUTHIER, A.-M. GIROUD-GODQUIN and R. B. BLUMSTEIN.
- Anisotropic molecular dynamics and alignment behaviour of liquid-crystalline side-chain polymers as studied by dielectric relaxation spectroscopy. G. WILLIAMS†, G. S. ATTARD, K. ARAKI and J. J. MOURA-RAMOS.
- Conformational order in semiflexible liquid-crystalline polymers. DO Y. YOON†.

Oral Communications

- Molecular dynamics in liquid crystals by dielectric relaxation and neutron scattering. L. BATA†.
- Two-dimensional carbon-13 N.M.R. and rheo N.M.R. of liquid-crystalline polymers. B. BLÜMICH†, C. BÖFFEL, R. BOST, Y. YANG and H. W. SPIESS.
- Designing new lyotropic amphiphilic mesogens to optimize the stability of micellar nematic phases. N. BODEN†.
- Molecular order of the polymer chain in liquid-crystalline side-group polymers. C. BOEFFEL† and H. W. SPIESS.

† Indicates the author who presented the paper.

- Operational mechanisms in nematics. A. J. VAN DER EST and E. E. BURNELL†.
- Lyotropic mesophases and micellar solutions from pyridinium octylphosphate. A multinuclear N.M.R. and relaxation study. C. CHACHATY†, T. AHLNÄS and B. LINDSTRÖM.
- Flow pattern and director reorientation induced by a steady magnetic field on an aligned sample of a main-chain nematic polymer. P. ESNAULT†, F. VOLINO, A. F. MARTINS and A. BLUMSTEIN.
- Deuterium N.M.R. of the S_F phase in two liquid crystal mixtures. J. FIGUEIRINHA† and J. W. DOANE.
- Carbon-13 N.M.R. study of liquid crystals with VAS. B. M. FUNG†, C.-D. POON and C. B. FRECH.
- Dielectric relaxation spectroscopy of laterally fixed mesogenic compounds. F. J. BORMUTH and W. HAASE†.
- Multipulse dynamic N.M.R. of lipid bilayers and biological membranes. P. MEIER, K. WEISZ, E. OHMES and G. KOTHE†.
- Carbon-13 N.M.R. studies of molecular order and dynamics in liquid crystal polysiloxanes. F. LAUPRÊTE†, H. OULYADI, L. MONNERIE, M. MAUZAC and H. RICHARD.
- Doubly modulated E.S.R. A friendly, high sensitivity spectroscopy in slow molecular motion regime. M. GIORDANO, D. LEPORINI†, M. MARTINELLI and L. PARDI.
- Effect of alkanes and peptides on the phase structure of model membrane lipids. G. LINDBLOM†, M. SJÖLUND, L. RILFORS and G. ARVIDSON.
- Deuterium N.M.R. of the *n*-octyl- β -D-glucopyranoside-solvent liquid-crystalline-systems. A. LOEWENSTEIN† and D. IGNER.
- Dipolar and quadrupolar couplings of methanes in liquid crystals. J. LOUNILA†, J. JOKISAARI and Y. HILTUNEN.
- Direct observation of the biaxiality of liquid crystals by homo- and heteronuclear zero-field N.M.R. M. LUZAR†, A. M. THAYER and A. PINES.
- Spin diffusion in liquid crystals. P. MEIER† and R. R. ERNST.
- Dynamic ^2H N.M.R. studies of thermotropic polymer fibres. K. MÜLLER†, A. SCHLEICHER and G. KOTHE.
- N.M.R. studies of conformational statistics of non-rigid liquid crystal molecules. D. J. PHOTINOS†, K. G. NIKOLAKOPOULOS and M. A. THEODOROPOULOU.
- Dynamic critical behaviour at first-order phase transitions. S. K. GHOSH and V. RIZI†.
- N.M.R. relaxation in cubic liquid-crystalline phases. U. HENRIKSSON and O. SÖDERMAN†.
- N.M.R. in liquid crystals. Studies of internal rotation. C. A. VERACINI†, D. CATALONO, C. FORTE, G. N. SHILSTONE and C. ZANNONI.
- Proton spin-lattice relaxation study of nematic microdroplets. M. VILFAN†, V. RUTAR, S. ZUMER, G. LAHAJNAR, R. BLINC and J. W. DOANE.
- Confinement of a liquid crystal to small droplets and its effect on the nuclear magnetic relaxation. S. ZUMER†, M. VILFAN and I. VILFAN.

Poster Communications

- Dipole relaxation processes in ferroelectric liquid crystals. A. BUKA†.
- Indirect determination of order parameters in micellar systems by nuclear magnetic relaxation. D. CANET†, A. BELMAJDOUB and K. ELBAYED.

- Reorientational dynamics of a lyotropic polymeric liquid crystal in a strong magnetic field as observed by N.M.R. J. P. CASQUILHO†, P. ESNAULT, A. F. MARTINS and F. VOLINO.
- Paramagnetic nuclear relaxation study on the structure and dynamics of lyotropic lamellar phases. C. CHACHATY† and J. P. KORB.
- Inertial effects in rotating lyotropic liquid crystals. J. P. BAYLE, F. PEREZ and J. COURTIEU†.
- 2D N.M.R. in liquid crystal solvents spinning at various angles from the magnetic field. N. T. LAI, J. P. BAYLE and J. COURTIEU†.
- Audio to microwave frequency study of the pretransition region in DPL-water systems. C. CAMETTI, F. DE LUCA†, M. A. MACRI, B. MARAVIGLIA and P. SORIO.
- ¹³C N.M.R. in ferroelectric liquid crystal DOBA-1-MPC and its racemate. J. DOLINSEK† and R. BLINC.
- Chain folding, dynamic disorder and mesomorphic states of long-chain cycloalkanes. H. DROTLOFF†, G. KÖGLER and M. MÖLLER.
- Self-assembly behaviour and mesomorphism of a non-ionic discoid amphiphile in water. N. BODEN, R. J. BUSHBY, J. CLEMENTS, L. M. FERRIS†, F. SIXL and D. S. TOWLSON†.
- Nuclear relaxation in liquid crystals as a fractal process. C. FLOREA† and I. URSU.
- Deuterium N.M.R. of liquid crystal solutions with proton–deuterium dipolar coupling. B. M. FUNG† and C.-D. POON.
- The P.M.R. spectrum of the mesogenic unit of poly(4-4'-dioxy-2-2'-dimethyl-azoxybenzene dodecanediyil) in the nematic phase. D. GALLAND†, P. ESNAULT, F. VOLINO and J. B. FERREIRA.
- Evidence of a smectic phase of disc-like molecules. A. C. RIBEIRO, A. F. MARTINS and A.-M. GIROUD-GODQUIN†.
- Structure of side-chain liquid-crystalline polymers. R. DURAN, D. GUILLON†, PH. GRAMAIN and A. SKOULIOS.
- Carbon-13 shielding tensors of haloforms and methylhalides determined by N.M.R. in mixtures of nematic liquid crystals. Y. HILTUNEN†.
- ²H N.M.R. study of the orientational order and flexibility of the liquid crystal 5CB-*d*₁₉. G. L. HOATSON†, G. S. BATES and E. E. BURNELL.
- Dimethyl mercury in mixtures of thermotropic nematogens. A. PULKKINEN, Y. HILTUNEN and J. JOKISAARI†.
- The anisotropic forces acting on the bonds of benzene in liquid crystals. J. LOUNILA†.
- Comparative studies of dielectric properties of LC-polymer and monomer in nematic solution. G. HEPPKE and U. MÜLLER†.
- Dynamic disorder in crystalline medium size cycloalkanes CP/MAS ¹³C N.M.R. lineshape analysis. D. OELFIN†, H. RUMPEL and M. MÖLLER.
- Order and stability from magnetic resonance measurements. An application of statistical thermodynamics. C. OLIVA†, P. VIANI, S. MARCHESINI and B. CESTARO.
- Characterization of micellar aggregates with ²H-N.M.R. relaxation U. OLSSON† and O. SÖDERMAN.
- Lyotropic mesophases of chromone derivatives. D. PERAHIA†, H. WACHTEL, H. ZIMMERMANN and Z. LUZ.
- ²⁰⁷Pb N.M.R. of lead(II) soaps in solid, liquid-crystalline and liquid phases. H. D. BURROWS, C. F. G. C. GERALDES, R. K. HARRIS, T. J. T. PINHEIRO† and A. SEBALD.

- ^{14}N and ^2H relaxation dispersion of spin probes in a nematic liquid crystal. L. PLOMP† and J. BULTHUIS.
- Soliton interpretation of the blue phases. I. PÓCSIK†.
- Phase behaviour of cholesteryl linoleate. J. S. PRASAD†, S. R. IYENGAR and S. VENKATARAMAN.
- Refractive indices, density and order parameter of a non-sterol cholesteric liquid crystal (+)-2-methyl butyl-(*p*-(*p*-methoxy benzylidene)amino)cinnamate. J. S. PRASAD†, S. R. IYENGAR and S. VENKATARAMAN.
- Orientalional ordering in binary systems by E.P.R. V. V. RAO†, S. S. SASTRY, P. N. MURTY and G. SATYANANDAM.
- Spin-lattice relaxation mechanisms in the smectic A partial bilayer phase of 16CN. A. C. RIBEIRO†, P. J. SEBASTIÃO and M. VILFAN.
- Structural and dynamical study of a smectic B liquid crystal. A. C. RIBEIRO†, J. B. BONFIM, A. F. MARTINS, D. GUILLON, A. SKOULIOS, C. DIMITROPOULOS and J. VAN DER KLINK.
- Order parameter measurements by proton N.M.R. on *N*-(4-alkoxybenzylidene) 4'-toluidines. M. RICCÒ†, R. DE RENZI, G. GUIDI and C. VIGNALI.
- Deuterium magnetic resonance study of some liquid-crystalline polysiloxanes. L. LATIE, H. RICHARD† and M. MAUZAC.
- Study of interactions in monomer/polymer mixtures by microwave dielectrometry. P. A. ROLLA† and E. TOMBARI.
- The alignment of fluorescent probes in liquid crystals determined by deuterium N.M.R. G. N. SHILSTONE† and C. ZANNONI,
- Proton relaxation T_1 in biological tissues. Water and lipid role. E. TETTAMANTI†, A. MATARESE and G. PATRIZIO.
- Dielectric relaxation anomalies in liquid crystal *p*-dimethyl-amino-benzaldehyde. H. V. TIWARY† and M. V. ANAND.
- Carbon-13 study of relaxation and structure in the smectic 5O.7. J. S. LEWIS, E. TOMCHUK† and E. BOCK.
- Translational diffusion in the plane of a lipid bilayer. Theoretical models and reality. W. L. C. VAZ†.
- Alkyl chain order in the octylamine/octylammonium chloride lamellar lyotropic liquid-crystalline phase. T. WÄRNHEIM†, B. BERGENSTÅHL, U. HENRIKSSON and A.-C. MALMVIK.
- Dielectric relaxation of water molecules in different lyotropic structures of nonyl-phenoxy poly(ethylenoxy)ethanol (ARK.9). S. WRÓBEL†, B. GESTBLOM, E. NORELAND and J. W. DOANE.
- Molecular mobility and N.M.R. relaxation in the binary system Triton X-114-water. A. ZHELIASKOVA† and A. DERZHANSKI.
- Lyotropic and thermotropic liquid-crystalline mesophases of cyclotetrameratrylene derivatives. H. ZIMMERMANN†, J. BILLARD, R. POUPKO and Z. LUZ.

Accepted Communications which were not presented

- Anisotropy of the nuclear relaxation in chiral smectic liquid crystal. E. D. CHESNOKOV, A. I. OVCHARENKO and S. V. POGREBNYAK.
- The use of magic angle and near magic angle sample spinning in the N.M.R. spectra of liquid crystals. C. L. KHETRAPAL, B. S. ARUNKUMAR, N. SURYAPRAKASH and K. V. RAMANATHAN.

- Structure and mobility of a liquid crystal copolyester, studied by carbon-13 nuclear magnetic resonance. P. G. KLEIN and I. M. WARD.
- Analysis of liquid crystal ^1H N.M.R. spectra by computation. A. V. KOMOLKIN and YU. V. MOLCHANOV.
- Conformational kinetics of aliphatic chains. P. L. NORDIO, A. FERRARINI and G. MORO.
- E.S.R. in mesogenic paramagnetic complexes of transition metals. I. OVCHINNIKOV, I. BICKCHANTAEV, IU. GALIAMETDINOV and R. GALIMOV.
- Orientalional order of nematic liquid crystals using solute molecules. S. K. GHOSH, A. RICCHIUTO, A. PANATTA and P. L. INDOVINA.
- Correlated random label spectroscopy of oriented hydrocarbon chains. M. GOCHIN, K. V. SCHENKER, P. NEIDIG, H. ZIMMERMANN and A. PINES.
- Molecular alignment and molecular motion of small radicals in a nematic liquid crystal as studied by E.S.R. and ENDOR. K. MATSUURA, Y. KOTAKE and K. KUWATA.
- Computer simulation of liquid crystal real structure as a base for N.M.R. spectra interpretation. A. V. KOMOLKIN, Y. V. MOLCHANOV and P. P. YAKUTSENI.
- Characteristics of relaxational dynamics and structure of nematogen molecules. V. S. BEZBORODOV, A. A. MIN'KO, V. I. NAUMENKO and M. I. PANICHEV.
- Effect of incorporation of drugs on lipid dispersions. S. SRIVASTAVA, R. S. PHADKE and G. GOVIL.
- Pulsed N.M.R. in electric field oriented nematics. M. RICCO, R. DE RENZI, G. GUIDI and C. VIGNALI.
- Alternation of phase type in liquid crystals. C. D. MUKHERJEE, T. R. BOSE, D. GHOSE, M. K. ROY and M. SAHA.
- The force and force-moment terms of pair interaction in the proton N.M.R. spin-lattice relaxation. J. SEBEK
- An ENDOR study of glassy liquid crystals. M. BRUSTOLON, A. L. MANIERO and U. SEGRE.
- Low-frequency dielectric relaxation in ferroelectric liquid crystals. N. N. SHERESHOVETS.
- ^1H N.M.R. study of some laterally branched nematic liquid crystals. H. K. SINGH and S. GRANDE.
- Magnetic resonance studies of local ordering and molecular motion in lyotropic liquid crystals. Y. UEMATSU, K. YAMANUBE and I. UEMATSU
- Nuclear magnetic resonance study of interactions of retinoids with phospholipid membranes. H. DE BOECK and R. ZIDOVETZKI.

Eighth Specialized Colloque Ampère—References to Papers Published

- GOLEMME, A., ZUMER, S., DOANE, J. W., and NEUBERT, M. E., 1988, *Phys. Rev. A*, **37**, 559.
- BECKMANN, P. A., EMSLEY, J. W., LUCKHURST, G. R., and TURNER, D. L., 1983, *Molec. Phys.*, **50**, 699.
- BECKMANN, P. A., EMSLEY, J. W., LUCKHURST, G. R., and TURNER, D. L., 1986, *Molec. Phys.*, **59**, 97.
- GOLDFARB, D., LUZ, Z., SPIELBERG, N., and ZIMMERMANN, H., 1985, *Molec. Crystals liq. Crystals*, **126**, 225.
- KUSTANOVICH, I., POUPKO, R., ZIMMERMANN, H., LUZ, Z., and LABES, M. M., 1985, *J. Am. chem. Soc.*, **107**, 2494.

- PERAHIA, D. LUZ, Z., WACHTEL, E., and ZIMMERMANN, H., 1987, *Liq. Crystals*, **2**, 473.
- HARBISON, G. S., VOGT, V.-D., and SPIESS, H. W., 1987, *J. chem. Phys.*, **86**, 1206.
- BLÜMICH, B., BÖEFFEL, C., HARBISON, G. S., YANG, Y., and SPIESS, H. W., 1987, *Ber. Bunsenges. phys. Chem.*, **91**, 1100.
- BOEFFEL, C., SPIESS, H. W., HISGEN, B., RINGSDORF, H., OHM, H., and KIRSTE, R. G., 1986, *Makromolek Chem. rap. Commun.*, **7**, 777.
- LUZAR, M., THAYER, A. M., and PINES, A., 1987, *Molec. Phys.*, **62**, 573.
- THAYER, A. M., LUZAR, M., and PINES, A., 1987, *J. magn Reson*, **72**, 567.
- MÜLLER, K., SCHLEICHER, A., OHMES, E., FERRARINI, A., and KOTHE, G., 1988, *Macromolecules* (in the press).
- SÖDERMAN, O., and HENRIKSSON, U., 1987, *J. chem. Soc. Faraday Trans. I*, **83**, 1515.
- BOZONNET-FRENO, M. P., MARCHAL, J. P., and CANET, D., 1987, *J. phys. Chem.*, **91**, 89.
- HILTUNEN, Y., 1987, *Molec. Phys.*, **62**, 1187.
- KOK, M. Y., VAN DER EST, A. J., and BURNELL, E. E., 1988, *Liq. Crystals*, **3**, 485.
- PERAHIA, D., LUZ, Z., and WACHTEL, E. J., 1987, *Liq. Crystals*, **2**, 473.