symmetry group. As specific examples he considers a Coulomb gas and a one-dimensional Fermi gas.

V.P. Mineev has contributed an article on 'Topologically stable defects and solitons in ordered media'. Topological methods have not been used very much in physics and only recently the author and his coworkers have shown how the techniques of homotropic topology can profitably be used to discuss many problems of physics. As examples he discusses the properties of linear and point defects in superfluid $^3$He and other condensed media, uniaxial and biaxial nematic liquid crystals, domain walls, solitons and textures.

The single biggest article is on 'Calculation of high orders of perturbation theory in quantum field theory' by E. Bogomal'nyi, V.A. Fateev and L.N. Lipatov. In this chapter the authors address themselves to two specific problems—that of estimating the sum of the perturbation series and of finding the value of the asymptotic term. The main emphasis is on the method of steepest descent. The authors also describe a statistical approach for evaluating higher-order Feynman diagrams. The article starts by considering simple examples and later more complex and physically interesting problems are taken up.

All articles are well written and at a fairly advanced level. They will be useful for research workers in theoretical physics and condensed state physics, particularly in the area of liquid helium, superconductivity and interfaces.

L.S. Kothari

Department of Physics &
Astrophysics,
University of Delhi,
Delhi 110007.

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## ANNOUNCEMENT

### INTERNATIONAL SYMPOSIUM ON SALT & MARINE CHEMICALS, 4-6 MARCH 1982

The Symposium will be held for the first time in Asia, and, India is the third country, after the USA & W. Germany, the first and the second respectively. The forum will have leading world experts in the area of 'Salt & Marine Chemicals' participating in the deliberations spread over the following sessions:

1. Designing and operation of salt works. 2, Lake brines-subsoil brine and mining of salt. 3. Quality control and Mechanisation in Solar Salt works. 4. Recovery of Marine Chemicals gypsum, bromine and magnesium compounds. 5. Recovery of marine chemicals, potash, trace elements and other chemicals. 6. Misc. aspects and 7. Plenary session.

The sponsors of the symposium are the Council of Scientific and Industrial Research, Department of Science and Technology, Hindustan Salt Ltd, Indian Salt Manufacturers Association, Salt Department (Govt. of India), and University Grants Commission and UNIDO.

Further information may be had from Shri. K. D. Padia, Publication Officer, Central Salt & Marine Chemicals Research Institute, Bhavnagar-364 002.

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