

物性部門プログラム

記事付
 組委物3録

18th	<ul style="list-style-type: none"> CRYSTAL DISLOCATIONS Mott: Dislocations Seitz: Kirkendall Effect 	<ul style="list-style-type: none"> MOLECULAR STRUCTURE Slater: Molecular structure Mulliken: Intermolecular forces
(Fri.)	<ul style="list-style-type: none"> POLYMERS Flory: Polymers 	<ul style="list-style-type: none"> ELECTRONIC STRUCTURE OF SOLIDS Coulson: Theory of metals Onsager: Diamagnetism in metals
19th	<ul style="list-style-type: none"> STATISTICAL MECHANICS Mayer: Theory of liquid 	<ul style="list-style-type: none"> MAGNETISM Slater: Ferromagnetism
(Sat.)	AFTERNOON FREE	
21st	<ul style="list-style-type: none"> STATISTICAL MECHANICS Kirkwood: Theory of liquid Prigogine: Irreversible processes 	<ul style="list-style-type: none"> MAGNETISM Néel: Ferrimagnetism (?) Bloembergen: Magnetic relaxation
(Mon.)		
22nd	<ul style="list-style-type: none"> STATISTICAL MECHANICS De Boer: Quantum properties of condensed phases 	<ul style="list-style-type: none"> DIELECTRICS AND SEMICONDUCTORS Fröhlich: Dielectrics
(Tue.)	AFTERNOON FREE	
23rd	<ul style="list-style-type: none"> LIQUID HELIUM Onsager: Liquid helium 	<ul style="list-style-type: none"> DIELECTRICS AND SEMICONDUCTORS Seitz: Colour centre
(Wed.)		<ul style="list-style-type: none"> SUPERCONDUCTIVITY Fröhlich: Superconductivity.

Name	Title
Bloembergen	1. Magnetic relaxation in solids. 2. Radiowave study of the hydrogen molecule (Molecular Physics Symposium).
De Boer	Theoretical treatment of the quantum properties of condensed systems.
Coulson	1. A new approach to the theory of metals. 2. Recent trends in the theory of large molecules (Molecular Physics Symposium).
Flory	Polymer (precise title not yet known).
Fröhlich	1. Electrons in dielectrics. 2. Superconductivity.
Kirkwood	Statistical mechanical theory of the liquid state.
J.E. Mayer	Liquids (precise title not yet known).
Mott	Dislocations and the property of solids.
Mulliken	1. Intermolecular charge-transfer forces. 2. Interactions between) Molecular Physics donors and acceptors.) Symposium.
Néel	Ferrimagnetism (precise title not yet known).
Onsager	1. Diamagnetism in metals. 2. General talk on the theory of superfluid helium.
Prigogine	Some recent applications of thermodynamics to irreversible processes.
Seitz	1. Theory of the Kirkendall effect. 2. Theory of colour centres in the alkali halides.
Slater	1. Summary of work in MIT in molecular structure. 2. Relation between configuration interaction and ferromagnetism.

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